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VOLUME 2 NUMBER

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, NOV. 9, 1900

Opportunities for Investment

Our Drillers Are Rapidly Nearing the Oil Sand

The price of this Stock has Advanced to 75 cents a Share

Office: Rooms 417-418 Parrott Building, No. 855 Market St., San Francisco Phone.Howard 346

MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R.F.MORTON·C.E.

Scale of Chains — Scale of Miles

Copyright 1900 by Revilo Frederick Morton

PACIFIC OIL REPORTER

OL. 2, No. 1 SAN FRANCISCO, CAL., FRIDAY, NOVEMBER 9, 1900. PRICE TEN CENTS

COST OF SINKING WELLS.

Some of the Items Which Oil Prospectors Must Consider.

Comparative Conditions Affecting Development of Eastern and California Fields.

The cost of putting down an oil well varies greatly in California, as elsewhere, with local conditions, particularly the character of the ground to be gone through, the cost of labor and relative cost of living, and the difference in transportation charges according to location of property with reference to the railroad. It can be said that a general average cost of putting down a well 800 feet in ordinary ground, such as the Kern River or McKittrick fields, may be roughly estimated at three thousand dollars, apart from the cost of a rig. In Coalinga, which is generally admitted to be the most expensive field for the California operator, as much as thirty thousand dollars has been spent in fruitless efforts, resulting in nothing but a dry hole. Wages for drillers run from five to seven dollars a day, tool dressers from two to three dollars, and pumpers about two dollars and a half. Contractors' prices vary much according to the locality and depth, but $3 a foot may be considered a fair average. In Coalinga this price has been obtained for labor alone, and in some parts of the Los Angeles field, where conditions are favorable, contracts have been taken for as low as $1 a foot, and it is said drilling can be done for fifiy cents.

The time required for putting down a well also varies greatly. One of the best records reported from the Kern field was No. 5 o the Thirty-three Oil company, on section 33, which went down 652 feet in 6 days, and the Reed Oil company has put one down in equally good time. On the other hand, wells have been over a year at continuous work in sinking. Drillers are accustomed to say that it is according to what luck they have, but the shrewd operator is inclined to believe that the employment of none but thoroughly skilled workmen, and exercise of care in selecting materials, screwing casing, and taking other precautions known to the business will go a long way towards avoiding the fishing jobs, crooked hole and other causes of delay which are so common a source of expense and annoyance.

In early days in the Eastern oil-fields 120 days was an average time for a well of 1000 feet deep, and about the same depth in twenty-four days was the best record ever made east of the Mississippi.

A rough estimate of the cost of the drilling outfit places it at $4500, of which about $3,000 to $3500 is for machinery. For depths up to 1500 feet a fifteen horse power engine is used, and at greater depths twenty-three horse power is necessary. Portable drills have been used for shallow wells with some success, but the Standard rig is the only one which can be used at depth. Casing is always furnished by the owner on contract work, and at present time prices on carload lots in this city run about as follows: 11⅝, $1.25 9⅝, $1.00; 7⅝, 70 cents; 5⅝, 50 cents. In small lots they range: from ten to fifteen per cent higher. Tubing costs about 19 cents a foot. These prices were about fifty per cent higher last year, and are very moderate compared with what they have been in the East. In 1871 casing in the East averaged over $2.00 a foot and tubing 52 cents. Last year the Eastern prices averaged 38½ and 16 cents respectively. The lowest production on a paying basis is in the Los Angeles field, where wells averaging less than a barrel a day are pumped on a jack, but in the new fields a well producing less than ten barrels a day is not considered a paying proposition. The earliest fields developed were all pumped by single engine and boiler, and this was the only method known until 1871, when William Styles invented his appliance for pumping a number of detached wells by power from a central station, now almost universally used under the name of the pumping-jack. The Eastern oil, however, is so much more valuable that pumping will pay with a much smaller production than can be done with fuel oil, and some in West Virginia are being pumped at a profit on a product of only five barrels a month. Oil lands can be had at royalties ranging from ten to forty per cent; from one-fourth to one-sixth is a common rate in the San Joaquin fields, and almost anyone who can

Continued on page 11.

A Gusher in the Sunset District.

A CONTINUOUS BELT.

Another Field Opening Up in the South.

The continuity of the oil field from Fullerton north to Bakersfield seems to have received a new point in its favor in the exploration work recently begun near San Fernando. A test well was sunk in this neighborhood a short time ago with a tripod a few miles north of the town. In this well which went down two hundred feet, the first sand was struck at one hundred and fifty feet, with oil indications all the way down. There are abundant seepages and gas found in the neighborhood, especially about a mile southeast of the railroad tunnel. It will be remembered that much trouble was met with while excavating the tunnel, on account of the workmen being overcome by gas, and a gas escape near the seepages has been known for years, which when lighted burns with a strong flame five or six feet above the ground.

Although this territory has been looked on with interest by oil men for a long time, it is only recently that any thing has been done towards development. Some well-known oil men of Los Angeles and Ventura counties including W. G. Hughes, vice-president of the Union Oil company, who is president; J. W. A. Off, Senator Bard, R. H. Herron, W. H. Ferry, L. W. Little, L. J. P. Morrill, H. T. Lee, C. Mordini Wood, and J. W. Byrne, are interested in the new enterprise. The company is called the Suanga Oil company and is capitalized for half a million. They have leased land belonging to the Los Angeles Olive Growers' Association, and while their preparations have been actively pushed, matters have been kept as quiet as possible while property rights were being secured. Now everything is being prepared to begin drilling with a Standard rig at once.

Mr. Ogden, the oil expert, says he has traced the course of the belt from Pico in a southeasterly direction across the Naud ranch to the railroad, where it turns to the south. He thinks that this may develop into such a field as that at Kern River, especially east of the railroad, with the additional value of a lighter gravity oil.

Views of State Mineralogist On Oil Output.

The theory that the gravity of petroleum shows higher on the Baume scale as the depth from which it is taken increases, is supported by State Mineralogist Cooper, who says that is the case in oil fields throughout the world. Near the surface the higher products have passed off by evaporation, and it is the heavy oil, either in the form of bitumen or asphalt, or the low gravity products, which come first to the surface. Below the evaporation limit the lighter gravity oils are found. The oil production should extend down to the metamorphic rock. This would seem to indicate that when the surface wells are exhausted it will only be necessary to go down through another shell to strike a a fresh supply, which should be of lighter gravity. All California wells are shallow—few of them exceeding 1500 feet—and many good producers are only a few hundred feet in depth.

Shallow wells at the beginning have always been the case with all oil fields. In a field like Los Angeles the oil production may be considered only in its infancy. In the Eastern states the depth is very much greater, and in places they are pumped until a ten-barrel well yields only half a barrel a day; but such a yield would not be considered profitable here.

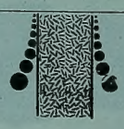
Mr. Cooper predicts a yield of a billion barrels for the Kern district, basing his estimate on an area of fifteen square miles, with one hundred feet of oil sand. At this rate he thinks the oil production will in another four years equal the gold output. A Russian field of twenty acres has produced thirty-five million barrels.

The development of this theory of production increasing with depth is watched with the greatest interest by oil men, for it is the want of permanency in the oil fields which makes investors cautious about putting money into exploration work.

Some experimental work has been done along this line by some of the large companies, but broken formations and other unfavorable conditions have up to the present time, prevented this work from being brought to a successful conclusion. With the increasing knowledge of the oil industry and the ability of experts to select oil lands by scientific knowledge of structure and position, rather than surface indications, the chances for the expansion of the oil business to one of the state's leading industries are becoming better every day.

The Whittier Oil and Development company has put in its storage tanks of about 250 barrels capacity.

THE SOVEREIGN



The Sovereign is under the same management as the Sterling Oil and Development Company. It property is proven oil land in the [illegible] trict, and drilling will commence at once. Four derricks have been erected and two Standard drilling rigs are now being put into position for the drilling of wells, the first of which will be within 100 feet of the producing wells of the Peerless Oil Company, and south of those of the Sterling Oil and Development Company.

Orders for this treasury stock will be filled in rotation of the receipt of orders, the company reserving the right to cancel this offer without notice. Maps of Kern River Oil District and Prospectus of the Sovereign Oil Company are free for the asking.

SOVEREIGN OIL COMPANY,
35-36 Crocker Building, San Francisco, Cal
'Phone, Red 1751.

Will Receive Orders for a Limited Amount of its Treasury stock at

50 Cts. A share

OPENS A NEW FIELD.

Most Promising Strike of Oil Made in Napa County.

Southern California has firmly established her claim to be considered a oil-producing territory, no longer confined to the little strips around Santa Paula and Newhall, but branching north and south into areas of great extent and unlimited promise. But it has remained to be shown whether the great fields of the south extend to Northern California, or whether as some scientific men say, the gradual wear of countless ages of erosion has carried the oil strata into the ocean and left nothing but the washed-out sand Prospectors have eagerly gone over the ground, hunting for oil indications, but until recently nothing has been found of sufficient importance to justify the investment of capital for development.

Recently H. T. Finnell, while prospecting in Berryessa valley thirty-five miles from Napa, in the interests of the Mt. Shasta Oil and Development company found indications of the presence of petroleum which he considered exceptional. He began running an open cut in the hillside, and at eighteen feet a large boulder was encountered. As the workman removed this, a black jet of oil spurted from the rock and sprinkled the man from head to foot. After running a short time the jet ceased to flow and the prospectors thought they had been too sanguine in their expectations, but soon the oil began to run again, and it was evident that they had come upon a outlet of an oil pool which had gas pressure, similar to that of the famous "gushers" of Coalinga and other noted fields. There was the usual excitement which accompanies a new find, and steps were taken to save the oil, which ran from the crevice, only an inch in width, at the rate of nearly a barrel a day. The flow of gas was also very strong, and has made the work of the prospector very difficult. The greatest confidence is expressed by the owners of this discovery in its turning out a good producer, on account of the intermittent character of the flow. Each flow is preceded by the gurgling sound familiar to those who are acquainted with geysers and other natural phenomena accompanied by pressure. In this respect it differs from an ordinary oil spring or "dead seepage," which may traverse the strata for miles before appearing on the surface.

The oil from this discovery seems to be an excellent lubricant. Dr. Plymire, secretary of the company, states that it can be used for this purpose in its crude state, without other preparations than warming and straining through a cloth to remove the grit. When sed on a dental lathe, run by

Oil Discovery in Napa County.

Mouth of Canyon in Berryessa Valley, Where Location was Made.

electricity at the rate of three thousand revolutions a minute, it was run for an hour without heating the bearings, although this could not be done with any other lubricant. Experiments on delicate bicycle bearings and fine buggy spindles gave equally satisfactory results.

An analysis by Mr. Prutzman, chemist for the Pacific Refining and Roofing company is as follows:

ANALYSIS OF OIL FROM BERRYESSA VALLEY, NAPA COUNTY, CAL.

Gravity	9642
Viscosity	4.87
Light lub'tng. oil	24 per cent vis 2.91
Heavy " "	22 per cent vis 28.80
Gas oil	32 per cent
Residue	18 per cent
	96 per cent

Asphalt in residue 3.66 per cent; sulphur—no trace

Mr. Prutzman, who is constantly engaged in analyzing oils for local and Eastern companies, states that this oil is remarkable. It is the first California oil that he has seen that shows no trace of sulphur, found in all other coast oils, and consequently it can be easily refined. The light lubricating oil distilled from the crude can be utilized as a cylinder oil. A mineral sperm oil can be also refined from it.

The company which open up this property have two drilling outfits, a Standard rig and a light prospecting outfit. The heavy rig, which has been working in Colusa county, will go up on the new location as soon as it can be got there. A road is being opened up, and accommodations for the men are now ready. A location will be made a short distance back on the anticline, and in a short time the character of the new location will be positively known. Meanwhile, the seepage from the prospect will be put on the market as a lubricant, where it is expected to bring about six dollars a barrel from the well. One feature of the machinery of the new well will be different from the barren oil fields of the South, as they propose to use wood for fuel, as this is cheap and the oil valuable. A 1000-gallon storage tank has been purchased to store the oil as it comes from the prospect, as it is expected that the flow will be greatly increased by drifting a short distance.

The light plant of the company has been set up in Stinking Canon near Shasta, at the urgent request of the people there, who desire to know whether there is anything substantial in the oil indications found so abundantly in that neighborhood. Mr. Finnell, who is the manager of the company and has done the prospecting at Berryessa, is an oil man of forty years' experience as a practical operator in the fields of West Virginia and Pennsylvania, and has been prospecting and surveying for some months past in Shasta, Colusa, Yolo and Napa counties, with a view of determining the existence and extent of any oil-bearing land that may exist in Northern California.

A great deal of similarity has been noted in the character of the outcropping oil sands and surface shales to the oil-fields of the East. The conformity of the strata and the absence of flexure or fault would go to indicate the presence of an extensive and productive field.

A Gas Well.

A water well was being drilled by a crew near Ballona creek in Los Angeles county, a mile south of Ivy station and two miles south of the The Palms, on land owned by Anderson Rose and others of the Ballona Ditch company recently, when an event took place which somewhat surprised those in the neighborhood.

Work had been progressing at a satisfactory rate to a depth of 350 feet, when a terrific rush of gas sent the tools flying into the air, and sand raining in every direction. The casing was badly demolished in the bottom of the hole and the machinery was laid up for repairs.

A good many people are of the opinion that oil may be found by going deep enough, but a good natural gas well ought to be a good property in itself.

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Find a Company with small capitalization whose liands lie in a thoroughly proven oil field.

The Pacific Coast Oil and Development Co.

Office, 209 Hearst Building, San Francisco.

Is such a Company. Prospectus, Maps and full information supplied at our office on application.

Will receive orders for a limited amount of Treasury Stock at 50 cents a share,

But Reserve the right to cancel this offer without notice.

Pacific Coast Oil & Development Co.

EXCHANGE FOR KERN CO.

Oil Operators Want a Board to Facilitate Business.

The oil men of Kern county are in quest of a suitable place to transact their business. Hitherto a large amount of the oil business of the section has been done in Los Angeles, naturally enough, for a good deal of the capital invested in these fields comes from that city, but the local oil men are getting stronger, and now they want an exchange of their own. It is said that the location contemplated in Bakersfield is Twenty-second street and Chester avenue. A circular letter has been mailed to the officers and directors of the various oil companies operating in that neighborhood, which sets forth the plan of the proposed four-story building. The lower floor is to be used for the ordinary purposes of an exchange; on the second story are to be located the officers of the different oil companies, while the third and fourth floors are to be adapted to club uses by fitting them up as parlors, cafe, buffet and sleeping rooms.

It is thought that this could be conducted on a co-operative plan, each person to pay one hundred dollars as a membership fee. This fee will pay for a seat on the exchange, the privilege of listing stock for the company represented by the member, to receive an advertisement of what he has to sell in the way of stocks, bonds and lands in a book which will be extensively distributed, all in addition to the privileges of the club. One hundred shares of capital stock will be issued to each member, so that he will receive his pro-rata in ownership and profits of the property. It is said that oil men look favorably upon the plan, as it will help the market for oil stocks, in addition to furnishing club facilities, and under these circumstances such a building should produce a considerable income, both from rents and percentage on exchange transactions.

The club feature is also intended to offer the hospitality of the town to visiting capitalists and other persons prominent in the oil business. Bakersfield for some time past has been inadequate in the matter of accommodations for travelers, and this is planned to meet the deficiency.

Some well known oil men of Bakersfield are interested in this plan, including Sol. Jewett of the Kern Valley bank, J. A. Bunting of the San Joaquin Oil company C. J. Berry of the El Dorado Oil company, G. A. Hare of the Independent Oil company and C. S. Young.

The Continental Oil Company

This company has again begun work on its work on its well in the Kern River District. No. 10 which started off at a 250-barrel gait, was shut down for ten days for the lack of water and when started again would not pump ten barrels. The pump and tubin were found to be all right but on pulling the 4½-inch casing, with which the well was finished, the small perforations were found to be plugged hard with sand, which prevented any oil from coming in. As this casing was taken from the hole the oil followed to the surface and all the pumping possible through two-inch tubing has failed to reduce it. Three-inch tubing and pump has been shipped and with it the company expects to lower the oil sufficiently to continue the work. Instead of finishing at the same depth as No. 10, while waiting for the perforator, drilling on No. 11 was continued, with the result that a coarser, more prolific sand than any yet struck, was reached and at last reports the drill was still operating in it, although sixty feet has already been penetrated. Another 1300-barrel tank has been shipped to be used if necessary, but as the railroad runs right to the company's land, it expects to be able to ship oil as fast as produced.

Refining Heavy Oil

Prof. Chas. T. Mabery has the following to say about refining the heavy grades of petroleum found in California:

"The heavy petroleums that hitherto have been looked on as only fit for fuel are capable, if properly refined, of yielding valuable products. This is especially true of the deposits recently exploited in Wyoming, Texas and in other sections. The Corsiciana oil in Texas has been shown by Mr. Clifford Richardson to yield an oil that may be refined into gasoline, burning oil and other products ordinarily obtained from light petroleums. Large areas of oil territory have recently been developed in Texas that yield oils of higher specific gravity and that are of value for what they contain of the higher products. The rapid development of Texas oil territory bids fair to advance the state into an equivalent place with California as oil-producing territory.

"As to the hydrocarbons which compose the heavy Texas oil, nothing whatever has hitherto been known. It is practically impossible to separate any of its constituents by the ordinary methods of distillation."

Lion Oil Company

As a result of the meeting of the Board of Directors of the Lion Oil Company on last Monday evening the following resolution was adopted: On and after November 5th the price of stock will be advanced to 75 cents per share. The test that was made on Saturday the 8rd inst. shows that it is a very large product 117 barrels of pure oil being bailed out in two hours, lowering the oil in casing but 30 feet.

Officially signed,

F. F. Weed,
Secretary of Lion Oil Co.
Emma Spreckels Bldg.

ALERT AS USUAL.

The Standard Oil Company and the Roumanian Wells.

The Standard Oil company is alert as usual, and it is a testimony to the value of the Roumanian oil lands that it has cast its longing eyes on the property which, it is rumored, is to be disposed of. The petroliferous lands consist of 35,000 acres, which are crown property, and it is said that these are to be more energetically worked than they have been hitherto. The land is situated on the slopes of the Carpathian mountains. The Berlin Disconto Gesellschaft are also in negotiation with the government for obtaining the rights to work these lands. The Standard Oil company, it is said, in consequence of having been somewha behind time in its offer, has made overtures to the Disconto Gesellschaft. Should this new scheme come into practical issue, it may have an important bearing on the Roumanian oil industry.—London Oil World.

The Exchanges

The development of business in the Producers' Oil exchange of this city within the past six months has been remarkable, as shown by the daily reports of that institution. The sales at a late session aggregated $17,388. Six months ago it was practically nothing. Most of the stock bought is high priced, which shows that the deal consists largely of legitimate purchases for investment purposes, rather than speculation. There is considerable Eastern capital coming into the exchange and the stock of well-known producing companies is in great demand. Very little playing with stocks is indulged in, and "bucket shop" practices are rarely seen.

The matter of dealing in mining stocks in the California Oil and Mining exchange has about been given up, as it is found that most of the companies to be represented are simply prospecting as yet and very little business could be done in buying and selling stock. No session has been held for a month and probably none will be again, although the exchange will be kept open, at least until January 1. If business conditions in the oil stock line do not improve before that time the exchange will be closed then for good.

The amount of business done on the Los Angeles Oil Exchange during October was a good average, but the average of prices was lower than during any previous month. The total of shares sold was 420,700, of which 168,950 were listed and 251,750 were unlisted. The total value of sales was $51,388.25.

New Railroad.

Articles of incorporation have been filed at Sacramento by a Bakersfield concern known as the Mountain Valley and Bakersfield Railroad, which proposes to build a line sixty miles northeast from Bakersfield, presumably to tap the Kern River oil fields. The capital stock is $600,000, of which $6,000 has been subscribed. The directors are C. A. Lee, J. L. Carson, I. L. Miller, P. L. Budinger R. H. Stevens, all citizens of Bakersfield.

Conditions at Whittier.

A correspondent of a Southern paper thinks that the oil supply of the Whittier field is derived from different strata, on account of the variation of the strike and the difference in the gravity of the oil. The quantity of the oil, however is easy to determine and Whittier is acknowledged one of the best of the small field.

New Incorporations.

The following articles of incorporation were filed in the office of the Secretary of State last week.

The Empire Oil company. Principal place o business, Los Angeles. Directors—F Brown, S J Hardison, E Germain, F L Dever and F L Felter of Los Angeles. Capital stock, $350,000; subscribed, $5000.

San Miguel Oil and Development company. Principal place of business, San Diego. Directors—H E Melles, J E Parker, C W McKee of San Diego; J G Evans, J Biggs of Los Angeles, and C J Cummings of Montrose, S D. Capital stock $500,000; subscribed, $90,000.

California Land and Oil company. Principal place of business, Los Angeles. Directors—J B McLaughlin, S H Day, G Van Derrverker and A Evert of Los Angeles, and S G Long of Long Beach. Capital stock, $10,000; subscribed, $400.

Colorado and California Oil company. Principal place of business, Selma. Directors J E Whitson, P Allen, E H Tucker and T H Elliott of Selma; N J Shadle of Kingsburg, and J Stukey and Christ Stukey of Steamboat Springs, Col Capital stock, $256,000; subscribed, $140,800.

Corono Oil company. Principal place of business, Fresno. Directors—T C Hart, W H McKenzie and L L Corx of Fresno; S Shannon and D Finn of Hanford. Capital stock, $200,000; subscribed, $1000.

Oakland Asphalt Paving company. Principal place of business, Oakland. Directors—J A Fairchilds of San Francisco, E Herron, H F Cordon, J L Howard, M J Keller, and G K Brown of Berkeley. Capital stock, $100,000; subscribed in full.

L and M Development company. To bore for oil, etc. Principal place of business, Bakersfield. Directors—M McWhorter, W S Liebendofer, J C Shiffer, A Van Keulen, J W Forsyth, all of Bakersfield. Capital stock, $10,000; subscribed, $800.

Pasadena Mutual Oil company. Principal place of business, Pasadena. Directors—R Strong, S Briggs, J C Dalton, W B Fay, B O Kendall, D C Porter and T J MacKalip of Pasadena. Capital stock, $200,000; subscribed, $31,500.

Monticello Oil company. Principal place of business, Napa City. Directors—A J Raney, Capelle John Hunter, W G Raney, T S Scribner, Monticello, T A Bell and C E Trower, Napa. Capital stock, $400,000, subscribed, $125.

McWhorter Oil company. Principal place o business, Bakersfield. Directors—Milton Mc Whorter, J H Moss, G R Oberlund, J C Shiffer, A Van Keulen, all of Bakersfield. Capital stock $200,000; subscribed, $104,000.

Savage Oil company. Principal place of business, San Francisco. Directors—M J Savage, J M Schoulters, W A Jacobs, T Hodge, G W Baker, all of San Francisco. Capital stock, $100,000, subscribed, $25.

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Paper and Paper Bags, Twine and Supplies of every description incidental to the trade.

We carry the Largest stock. Our prices are Equitable.

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A Connecting Link.

Several bold prospectors have confidence in the continuity of the Los Angeles-Newhall-Kern oil field, so much so that they are prospecting on the north slope of the mountain pass of Tehachapi, crossed by the railroad in going to Los Angeles. There are few seepages and other external evidence of the presence of oil, and the most marked indications is the sandstone out-crops and gypsum float.

One company called the Federal is working at Sand Cut, where the railroad begins to go up the grade. These people have thought it best to imitate the first exploiters of of the Kern field, and have forbidden all inquisitive persons from coming round their property, so that nothing is known in regard to their success or failure. Another, the Sartorial of Los Angeles has made arrangements to begin drilling on section 5, 32-35, and the Summit company of Bakersfield and Tehachapi people, is also about ready to start the drill.

The Summit is operating on section 12, 32-34 and another company called the American is also working not far away.

New Southern Field.

An extended development of a practically untouched field has been begun in San Diego county. The new work has been started on the Rancho Boca de la Playa, where the Capistrano company has about 8000 acres. The formations, so far as they now appear, are unbroken and are in a degree similar to those encountered in the Kern River field. The first well, which was spudded in the first of the week, has not yet progressed enough to demonstrate what may be expected in the way of success. Seepages in small quantity are of frequent occurrence on this property.

In addition to the Boca de la Playa land the Capistrano people have located 41,000 feet of the ocean beach, and announce their intention of building a commercial wharf, and beginning work similar to the Summerland development as soon as the secretary of war shall have taken definite action on the tide water question. The presence of oil in the ocean bed off shore below San Juan has long been suspected. A large quantity of liquid asphaltum is cast upon the beach, and when the heavy southwest winds are making the incoming seas rear their heads high in air, a coating of oil keeps the water off San Juan comparatively quiet.

Ready for Work

The Pacific Coast Oil & Development Company have secured 80 acres of land, being the south ½ of W.E.,¼ section 2-29-27 which they have added to their holdings.

The lumber to construct the derrick for their first well has been ordered forward and drilling will be commenced on their land in section 7 at an early date.

The striking of a gusher at the west line of their section has, in the estimation of experienced oil men, proven their land.

The Esmeralda O. & D. Co.

This company is now drilling its well No. 1 in the Vallecitos District, San Benito county, and they expect to make a strike in a few days. Their location is on section 26, 17-11. They have also made an arrangement with Mr. A. Kingsbury of this city to act as their general agent in San Francisco. Mr. Kingsbury is widely known among all classes of business men as an active and competent man, with a reputation for fair and conservative ideas on all investment lines, and is popular with scores of people who know him personally. He has opened offices at rooms 565-566 Parrott Building, where he will give personal attention to all affairs of his company.

CALIFORNIA PETROLEUM MINERS' ASSOCIATION.

Incorporated May 28, 1900.

OFFICERS AND DIRECTORS.

L. Perry Crane.....president
A. O. Love.....1st vice-president
J. C. Kirkpatrick...2nd vice-pres.
E. D. Berri.....3d vice-president
H. S. Field.....treasurer
W. B. Simmons.....secretary
Prof. E. B. Heald, G. H. Jones, W. B. Winn, Cen. J. M. Gleaves and B. Marks.

The object of this Association is to promote the interests of the oil industry of California and to furnish a bureau of information. It is establishing Eastern agentss consisting of reputable bankers and brokers in all the large Eastern cities, who shall represent oil companies who are members of this Association in the sale of their stock.

It is admitting to membership only those companies whose affairs can pass the rigid examination which is compelled by the Association. This examination is made by the attorneys of the law department, Hon. G. W. Baker and Edward H. Stearns, and by the membership committee of the board of directors.

Applications for membership can be obtained together with the necessary blanks by applying either in person or by letter to the president or secretary of the Association at its office, room 33, 2nd floor, Mills building, San Francisco.

Eastern and Foreign correspondents.

Member
California Petroleum
Miners' Association

THE FLASHLIGHT

Oil Company

1200 acres in Coalinga District Offers excellent opportunity for rapid advance in stocks bought now in at bed rock price. Shares now selling at 20 cents will surely be worth $1 00 inside of six months Agent wanted in each city in the state. Write for prospectus, full particulars, etc.

Monarch Oil Company of West Virginia.

A report on well No. 2 says they succeeded on the morning of the 1st inst. in lowering a charge of dynamite to within eighteen feet of the bottom and after explosion the bailer was run in, and it was found that about seventy feet of sand have come in without any unusual disturbance. Bailing was continued until 1:30 P. M., when 350 feet of oil was found. Tanks were then ordered, but oil by that time was all over the derrick floor, running in all directions and flowing about two feet over the top of casing. Well No. 2 is kept full of water for a counter-pressure, but there is so much oil coming in at the bottom that it nearly floats the tools and they find it difficult of control. The oil will have to be shut out possibly by removing the perforated joints of the casing.

Devil's Den

It is difficult to learn much about the Devel's Den district as Spreckles and the other operators in that neighborhood are keeping matters as quiet as possible. Spreckles has had the finest rig in Kern county in operation on section 26, 25-17 for nearly four months, but the location is nearly seventy-five miles from a railroad, outsiders are not allowed on the grounds and the information given out by the company is all that is at hand. By their account the tools are now about six hundred feet deep, without having been in the oil sand. It is noticeable however, that Mr. Spreckels is buying adjacent land whenever he can get it At the beginning of his operations he had control of four sections and that acreage has since been more than tripled. During the past week he has secured the bulk of section 19, 29 and 30, 25-18.

OIL LAND

CHOICE LOCATIONS

East half being 320 acres Fresno Co., of section 14, township 17 south, range 14 east.

128 acres, township 21, R 11 and 12 E, Monterey county near San Ardo.

208 acres 6 miles west of Coalinga, T 20, range 14.

120 acres, T 21, R 13 and 14 east.

Will give land in several locations to have development work done.

Stock for sale in several companies.

Write for terms.

Address W. A, D. 990 Geary st., S. F

The well of the Yankee Doodle Oil company at Newhall reached the oil sand yesterday at a depth of 705 feet says the Herald. The company's property is directly north of the Pacific Coast. Oil company's land,

H. S. Field, President.
J. C. Poser, Vice President
R. R. Haskell, Treasurer
P. H. Reynolds, Secretary

The Esmeralda

Oil and Development Co.

Capital stock 100,000 shares
Par value $1.00

The company is now drilling its first well and has only a limited number of shares of Treasury stock for sale at $1 per share.

A. KINGSBURY, - Gen'l Agent,
Room 565 Parrott Building
Telephone, Folsom 881

INTER NOS

Oil and Development Company

Rooms 39 & 40 Crocker Building

Junction of Post and Market Incorporated under laws of Arizona

Positively Non-Assessable. Capital Stock, $400,000

Officers—Matthew C. Nunan, President; A. M. Cox, Vice-president; John F. Harris, treasurer; M. L. Culver, secretary; C. W Duffie, Manager; Hugo D. Newhouse, Attorney; Daniel Meyer Depository.

A limited amount of treasury stock will be sold at 25 cents per share. Lands of the company are in Sunset, McKittrick and Templor Districts, comprising 410 acres. Will commence boring at once on section 9, 32 south, range 23 east, M. D. B. & M., situated in the very center of oil-producing wells. This stock sale is a SNAP, as operations begin at once. Work will progress as rapidly as possible. Do not wait to be solicited for this stock as it is not a speculation, but a sound investment. For further information apply or address

Brust & Byrne, General Agents,

Rooms 39 and 40 Crocker Building - - San Francisco

Telephone, Main 296.

Stock of this company will advance to 50 cents per share on or about the 15th of December, and if you want an A 1 investment c r on or address Messrs. BYRNE & BRUST

GRAND PACIFIC OIL STOCK

Best Investment On the Market

Absolutely Non = Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages.

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows:

Sunset District, Kern County. McKittrick District, Kern County.
Coalinga District, Fresno County. Kettleman District, Kings County. Over 300 Acres more land secured in Contra Costa County last week.

SECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful development is absolutely assured.

12,000 Shares Sold In One Day.

One Hundred Thousand Shares Sold in Less than Three Months

Second 100,000 shares now selling rapidly at $1.00 per share; will probably be sold by January 1st, when 3d 100,000 shares will be placed on the market at $2.50 per share. Now is the time to buy if you want a good profit

The Officers of the Company who are all well-known business and professional men are:

A. G. Deardorff.....President
J. M. Merrell.....Vice-President
John Choice.....Secretary
Wells-Fargo Bank.....Depository
F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
John Choice J G Sala F. A. Berlin
R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

P. S. No salaried officers in the Company. Only a competent secretary draws pay. Tel. South 742

Contra Costa Compa r 1 8

The Tide Water Oil Syndicate company, now operating in Contra Costa county, is now down over 500 feet and is working double tour.

The Contra Costa Oil company, in which Sheriff Beale is one of the prime movers, started drilling this week. They have run into the first well ever drilled in Contra Costa County, dating as far back as 1864. The discovery was made in drilling in the hill, which came across the old casing and found some oil in the well. This well was originally drilled 125 feet, when work was discontinued on account of want of proper facilities. Surveyor General Gleaves has organized a company called the General Gleaves Oil company, which will commence operating immediately on lands leased from the Tide Water Syndicate.

Capt. Barret, the well-known Coalinga operator, has organized the Clover Leaf Oil company, to operate on 600 acres adjoining the Tide Water Syndicate. This company is backed by Eastern capital, chiefly from St. Paul, Minn.

The statement is now made that all homestead entries in the oil districts set apart last winter by Commissioner Herman are to be canceled, on the recommendation of special agents of the department who have been looking into the matter. Owners of mineral locations have been making applications in the general land office to protect themselves from lien land locators, but this is an irregular proceeding and there has been no expectation that the application would be carried through to the issuance of a patent. The intention was nothing more than to close the land for entry by scrip pers.

The Piru Field

The report of a heavy strike of oil on well No. 2 of the Piru Ranch Oil company attracts fresh interest to this locality, which is the only one in Ventura county where any great amount of development is going on. The county has been known as an oil producer for twenty-five years, and its present output is about 50,000 barrels a month. An estimate of the area of oil strata in this field is given at 10,000 acres, extending over a territory twelve miles in length. The old wells on the ranch were light producers, but great expectations are entertained from the new strike.

Dr. Bowe s, the State Oil expert was recently in Yuma examining oil indications. He was favorably impressed by the natural gas of that locality.

Notice.

TO THE STOCKHOLDERS OF THE FLASHLIGHT OIL COMPAY, A CORPORATION.

There will be a special meeting of the Stock-Holders of the Flashlight Oil Company, held at the office of said Company, at room 115 Phelan Building, San Francisco, at 1 o,clock, on the 12th day of November, 1900.

This meeting is called for the purpose of increasing the capital stock of the said Company from $200,000.00 to $500,000.00, By order of the Board of Directors,

A. Bariau, President
F. M. Persinger, Secretary.

Frank DuBois

Will expert Oil Land for Cash and Promoters stock. Thoroughly familiar with entire Oil Belt from San Diego to Humboldt. Under my control so.ne very valuable tracts of Oil Land in Sunset McKittrick and Kern River, that will offer good inducements on. to reliable parties.
Sale, Lease or Promotion.
393 Parrott Building

Stock Sales.

The following were the stock sales on the new Petroleum Oil Exchange at the formal sessions held for the week ending Wednesday, November ,

CALIFORNIA STANDARD		
500 at	30	24 00
2000 at	29	580 00
3700 at	28	1036 00
1500 at	27	405 00
2000 at	25	500 00
CARIBOU		
2500 at	25	625 00
EL DORADO		
100 at	2 25	225 00
FOUR OIL CO		
1330 at	40	531 40
100 at	38	38 00
280 at	41	76 26
1073 at	43	415 39
HOME OIL.		
1530 at	4 50	6885 00
1100 at	4 45	5005 00
200(B 500 at	4 50	450 00
HANFORD.		
3¼ at	87 50	284 37½
5 at	85 00	445 00
HOMESTAKE.		
10 at	12 25	122 50
INDEPENDENCE.		
300 at	25	75 00
800 at	24	192 00
2000(B30)at	25	500 00
1000(B25)at	25	250 00
500 at	22	110 00
500(B60)at	24	120 00
KERN RIVER.		
170 at	17 50	2975 09
KERN OIL.		
25 at	9 75	243 75
MONARCH OF ARIZONA.		
100 at	39	39 00
600 at	38	228 00
McKITTRICK CONSOLIDATED.		
100 at	50	50 00
100 at	40	40 00
110 at	35	38 50
200 at	36	72 00
MONTE CRISTO.		
400 at	1 25	500 00
100 at	1 20	120 00
100 at	1 17½	117 50
200 at	1 35	270 00
325 at	1 40	455 00
150 at	1 45	217 50
1150 at	1 50	3075 00
500 at	1 55	775 00
PETROLEUM CENTER.		
1350 at	20	70 00
1100 at	21	210 90
200 at	22	154 00
100 at	23	23 00
REED CRUDE OIL CO.		
200 at	51	102 00
STERLING		
50 at	2 85	142 50
200(B60)at	3 00	600 00
240 at	2 95	708 00
100 at	2 80	280 00
SAN JOAQUIN		
145 at	9 37½	1359 37½
30 a	9 25	3532 50
100-B30-at	9 37½	9370 50
200-B60-at	9 50	1900 00
00-B 5-at	9 25	1850 00
20-S 5-at	9 25	185 00
220-B 5-at	9 25	185 00
50-B 5-at	9 37½	468 75
TWENTY-EIGHT.		
500 at	2 10	1050 00
1000 at	2 05	2152 50
100-B90-at	2 20	220 00
9 at	2 00	18 00
100 at	2 15	107 50
YUKON.		
100 at	60	60 00
34,502½ Shares	Amount	$55,846 70

J. M. CURTIS & SON

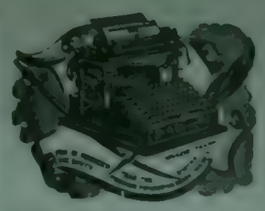
Analytical Chemist

Special attention given to the analysis of Oils, and to the tests of Gypsum, Kaolin Clay and other minerals held by the Land Department as sufficient to maintain placer mineral locations.

Quick and accurate returns at moderate prices.

23 California St., San Francisco

WONDERFUL SUCCESS



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Viavi Co. "	13
Cogswell College "	11
Miller, Scott & Sloss "	10

Get information from us about the new **SPEED** Device.

L. & M. ALEXANDER &
110 Montgomery St., S. F

Notice of Annual Meeting.

Notice is hereby given that the annual meeting of the stockholders of the Flashlight Oil company will be held at the office of said corporation, rooms 115-117 Phelan building, in the City of San Francisco, State of California, on Wednesday, November 14th, 1900 at the hour of one thirty o'clock P. M. for the purpose of electing directors for the ensuing year, and for the transaction of such other business as may properly come before the meeting.

Transfer books will close at office of the corporation on the 4th day of November, 1900, at 5 o'clock P. M.

A. BARIEAU, President,
F. M. PERSINGER, Secretary.

Pacific Land and Oil Syndicate.

(Incorporated)

200,000 shares, par value $1.00.

This syndicate has the largest acreage of any oil company in the State, 14,500 acres in Kern River and McKittrick Districts, Kern County.

Lands surrounded by wells for sale or to lease for immediate development.

Agents wanted throughout the State.

On account of the increased value of these lands, and realizing the necessity of more rapid development, this syndicate has concluded to offer 10,000 shares of its stock for sale at $1.00 per share.

Address all communications to PACIFIC LAND & OIL SYNDICATE, 308 Pine street, S. F.

HOWARD H. SHINN

Member Producers' Oil Exchange and San Francisco Stock Exchange Board.

318 Pine St., Rooms 7 & 8.

Oil Stocks and Securities.

JOSEPH B. TOPLITZ

Member
Producers' Oil Exchange

Stock Broker

Dealer in Oil Stocks.
Money loaned on Stocks.
Correspondence -:- solicited.

330 PINE ST., S. F

Oriental Oil & Fuel Co.

Of Portland, Orgon.

Incorporated under the laws of Oregon.
Stock Non-Assessable, Non-Liability of Stockholders.

CAPITAL STOCK, $100,000 Divided into 100,000 shares, par value $1

We have acquired title to the Southwest Quarter of Section 8 Township 26 South, of Range 21 East, M. D. B. & M., in Kern County California.

OFFICERS AND DIRECTORS—H. C. Eckenberger, Commercial Agent of the Michigan Central Railroad, President; R. L. Dunham, Vice-President of the Merchants' National Bank, Vice-President; H. C. Breeden of H. C. Breeden Co., Furniture Dealers; J. Frank Watson, President Merchants' National Bank; Charles V. Cooper Contracting Freight Agent Union Pacific R. R.

MERCHANTS' NATIONAL BANK, DEPOSITORY.

H. C. STRATTON, SECRETARY.

FIOCF E. Room 512 Chambr of Commerce Building
Portland, Oregon.

The Barrett Oil Well Swivel Wrench

For carrying and placg bits in drilling stem b oe

All drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different sized squares to suit different sized bits.

—MANUFACTURED BY—

J. Barrett, = Alleghany Pa.

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Official organ of California Petroleum Miners' Association.

W B. WINN, Editor and Publisher.

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

Telephone, Bush, 176

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ONE YEAR	$2 50
SIX MONTHS	1 50
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STRICTLY IN ADVANCE

MONEY should be sent by Postal Order, Draft or Registered Letter addressed to Pacific Oil Reporter, 318 Pine street, San Francisco, room 29. Communications must be accompanied by writer's name and address, not necessarily of publication, but as a guarantee of good faith.

Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, NOVEMBER 9, 1900

The Industry's Opportunity.

The petroleum industry will play an important part in the work of the annual state convention of the California Miners' Association, which will convene in San Francisco on the 19th inst., and there is every promise that this big association will prove a great benefit to the oil interests of the state. For the first time in its history the California Miners' Association has given prominent recognition to the oil industry, and it has done so by inviting the California Petroleum Miners' Association to send delegates representing the industry and by the welcome general information that the question of the taking of mineral land by the use of agricultural scrip will be one of the important subjects to be discussed. It is understood that the matter of a new oil land location law, which the executive committee of that association took up last year, will be another subject and other matters of direct importance to the oil industry will undoubtedly be features of the deliberations.

It will be most gratifying to oil men to have their industry championed by so strong and influential an organization, and their co-operation will undoubtedly be prompt and hearty, as it should be. It is appropriate that this step should be taken for the oil industry is but a branch of the mining industry and all branches of that industry have much in common. The California Miners' Association has a membership of over 10,000, and has proved a very strong power in securing mining legislation for years. The coming convention will represent the whole mining industry of the state and will have an important influence on the fortunes of the industry. The new greatness of petroleum and its legislative needs which have newly arisen, have resulted in this recognition of it as one of the chief features of the State's mining industry. The oil interests need and welcome this recognition and strong support. All forms of the industry are interested in the scrip problem for agricultural scrip may be and is applied to all kinds of mineral land, and in many other ways there are common needs which should draw together for mutual support all branches of the mining industry. The oil men need their own organizations, but there should be cordial co-operation and affiliation with the general organization and probably will be in the future. The invitation from the California Miners' Association reads as follows:

S. F., Cal., Nov. 7, 1900.

California Petroleum Miners' Association.

Dear Sir: The California Miners' Association will hold its annual convention in this city commencing Monday, Nov. 19th.

As there will, in all probability, be some action taken regarding proposed legislation affecting the oil interests of California, we should be very much pleased if your organization will appoint five or more delegates to meet with us and assist in our deliberations.

Trusting that this will meet with your approval, and that you will assist us by your co operation, I beg to remain,

Yours very truly,
EDWARD H. BENJAMIN,
Secretary.

The following is the response sent:

S. F., Cal., Nov. 8, 1900.

Mr. Edward H. Benjamin,
Sec. Cal. Miners' Association,
331 Pine Street, City.

Dear Sir: Replying to your favor of Nov. 7th will say that the California Petroleum Miners' Association, through its president and secretary, will be glad to accept your invitation to confer with the California Miners' Association in their annual convention which will be held on November 19th.

The interests of the oil men and the miners are identical, especially so far as the matter of land legislation is concerned. You can rest assured that the California Petroleum Miners' Association will do all in its power to aid in legislation which will benefit the mining industry, whether it be gold, copper, silver or oil.

At our next meeting of the board of directors we will appoint the delegates who will represent us in your Association.

Thanking you for your invitation, I remain,

Yours respectfully,
W. B. SIMMONS, Sec'ty.

A meeting of the members of the Los Angeles Oil Exchange was called for Thursday to vote on various proposed amendments to the by-laws. The principal change in contemplation is an increase in membership dues to $3, the increase to be effective and first payable on December 1. Members admitted since August 1 are now paying $3, but it is desired that the increase be made general. Honorary members, if the clause carries, will also pay $2.

Late Pacific Coast News.

The heaviest producer in the Kern River District is No. 5 of the Sacramento Oil company, which has a record of 850 barrels a day by measurement.

A storage reservoir costing $6,000 will be put up by the "Four" Oil company on section 4, 29-28, within the next 60 days.

After nearly a year the McKittrick Oil company is now on the sand on section 18, 30-29. The McKittrick's No. 1 developed an artesian well that inundated 2500 acres and washed away the derrick.

117 barrels were pumped from the Lion well in two hours and the oil went down only 34 feet from the top.

It is expected that within a few weeks seven companies will be operating in the Midway district, especially as interest has been aroused by the strike of the Pacific Consolidated on section 2, 32-22. The Oriental has its No. 1 down 250 feet and is making rapid progress. The Oregon is building a derrick for its first well in section 10, 32-23, and has machinery on the way for its plant. Bay City No. 1 is doing well at nearly seven hundred feet

LOS ANGELES.

The Chino Land and Water company has been obliged to abandon its well in the Fullerton extension, at a depth of 1100 feet, on account of a big flow of water. The company will make another try, however, and work on the second well will begin at once.

The Carbon Canyon Oil company in the Fullerton district has just struck oil and a heavy flow of gas at a depth of 520 feet in its well No. 1, and there is every indication of its being a good producer. This has created quite a flurry of excitement in the Eastern Fullerton field.

At a depth of 175 feet a small vein of oil was struck in the well of the Alliance Oil company, drilling in the Newhall district at the south of the tunnel.

The Pioneer White Oil company of Los Angeles has its well on section 3, 3-15, Placerita canyon, down something over 700 feet, with what are considered the best of indications.

At the corner of Ramona and Alpine streets the Los Angeles Mutual Oil company is finishing its No. 1. The well is expected to be a producer and it is not thought that it will fall short of twenty-five barrels, while it may go considerably above that figure. Work has been started on No. 2, near by, and the company will drill five more wells as rapidly as possible.

The Dividend Oil company's well No 3, in the Los Angeles local field, which was drilled about one hundred feet deeper, to 950 feet, about a month ago, and made such a fine showing, is holding up at a wonderful rate. The well is still pumping thirty-five barrels a day. Several other wells of the company are being deepened.

Well No. 3 of the Grace Oil company was put on the pump Wednesday, and Superintendent J. R. Osborne says a product of over 50 barrels a day is being run into sump holes and tanks. A depth of 225 feet has been reached in well No. 4. The first hundred feet was run in with 14-inch casing.

A Good Publication

Lionel V. Redpath publisher of "Petroleum in California" ha been in San Francisco last week in the interest of his publication. That the publication has worth is evidenced by the fact that the first edition is entirely exhausted and Mr. Redpath is now engaged in the publication of a second edition which will undoubtedly meet with a ready sale.

The CONTRA COSTA OIL and PETROLEUM CO.

Capital Stock . $500,000

Shares . . . $1 Each

The company's holdings consist of 3 000 acres of land, held on long lease at one-tenth royalty.

f the capital stock 200,000 shares are placed in the treasury to be sold at 25 cents per share, or until otherwise ordered, to provide a working capital. The balance of the treasury stock remaining unsold will be divided pro rata among the stockholders. Active operations in the field will commence when $10,000 is paid into the treasury.

OFFICERS:

L. R. MEAD - - President
HON. C. M. BELSHAW, - Vice-Pres-
HON. FRANK MCGOWAN, ecretaryfi
B. HARKINSON - - Treasurie

TRUSTEES.

L R. Mead of Byron prings and ecretary Risdon Iron Works.
Hon. C. M. Belshaw, Capitalist and Representative of Contra Costa Co.
R. Harkinson, Cashier Antioch Bank.
Hon. Frank McGowan, of an Francisco, Attorney-at-Law.
R. G. Dean, Agent California Wharf and Warehouse Company at Brentwood and Byron.

The company is operating on land known to be oil land, as in 1864 a shallow well was drilled which yielded oil of a good quality.

This well was abandoned, as its drill got wedged in the hole.

A railroad runs within a mile and a half of the property, and tide water is only eight miles distant.

For Map and Prospectus, address any of the officers, or

G. GRIFFITH,
Assistant Secretary,
Hearst Building, San Francisco.

When you want to swear go to

LEE D. CRAIG

Notary Public and Commissioner of Deeds

316 Montgomery St.
bet. California
and Pine, San Francisco.

Important Meeting

The following notice has been sent out to all men by the California Petroleum Miners' Association.

There will be a convention of the oil men of the State held in the Assembly Rooms of the Mills Bldg., Montgomery street, this city, on Thursday evening, November 15th, at 8 o'clock, at which matters vital to the oil industry of California will be taken up and discussed for the purpose of simplifying the methods of handling oil and co-operating with the different districts of the State to the end that a uniform price for crude petroleum may be maintained, thereby encouraging large investment of capital from the Eastern States, as well as Europe, and further to ascertain as far as possible to what extent a uniform commission may be adopted for the sale of stock, through banking and broker concerns in the East, as well as many other matters vital to the oil industry. All are invited.

Very respectfully,

W. R. SIMMONS, Sec'y.

Gray Gander Was Elected.

The Gander flies high now; she was elected by the biggest vote ever cast in the Kern River field. All the returns are in now. People from the North, South, East and West and all parts of the world turned out to vote. They looked over the whole field and at last turned in their vote for the Gray Gander. The majority claims he is the oiliest bird in the field. The company have a limited amount of votes left. Any one who forgot to register will have one more chance; they can call or send to the office, 330 Pine street their name. But don't forget to take or send a few x's to put opposite name as they do not count votes. Unless there a x or a v opposite name they are cast aside and thrown into the waste basket. They have only a limited amount of shares to place on the market. The company expect soon to raise $25 on a share. Now is your chance as they expect soon to withdraw all common stock from the market.

Peculiar Formation at Whittier.

The Murphy Oil company which just finished up a well directly south of the Central Oil company's property, produces oil of about 14 gravity, and the Warren Oil company's oil is about 21 gravity. The Murphy company property seems to be located on a stratum farther south than the others. The Turner Oil company and the Central Oil company seem to be located on a middle stratum. The gravity of this oil is about 19 or 20. It is believed this is the belt which extends on to the Puente field southeast about five miles. The North Whittier Oil company has just made a good strike in its well, which is a mile and a half north of present developments. This apparently lies on another belt, which seems to be in line with the East Whittier well, where indications are very promising. If oil is found in the East Whittier well the Central Oil company will have defined for it a stretch of territory about two and a half miles in length, every foot of which ought to be productive.

The Whittier Consolidated Oil company's well is about one mile south of the North Whittier and seems to be in the middle belt.

The Turner Oil company has just completed its No. 4. For the first three days it has pumped at the rate of 125 barrels a day. No. 4 is down 1100 feet and will be finished probably in a week. The production of two wells of this company for last month was 3750 barrels.

The Murphy Oil company's well started off at 120 barrels.

The Bear State.

The Bear State Oil company in Coalinga district has leased the NW¼ of their land to the Eastern capitalists, who are under contract to put down several wells to a depth of at least 1600 feet, unless oil is found in paying quantities at a less depth. This syndicate pays 10 per cent royalty, also a bonus of 50,000 shares of stock in their company, thus enabling the directors of the Bear State Oil company to pay a dividend of 25 per cent in stock of the Eastern company the first well of the Bear State Oil company, now being drilled, is down over 900 feet, with a heavy showing of gas and some oil.

The Occidental

Owing to the recent strike in their well No. 1, and the formation of eight new sub-companies all operating on the Occidental Oil company's property, price on their stock will be advanced this week from 75 cents to $2.50 per share.

Cost of Drilling.

Continued from page 3.

make a showing can lease land for oil purposes on a similar basis.

During 1899 in the country east of the Mississippi 13,308 wells were drilled, being an average of 4,100 a month. An estimate in the Eastern fields places the cost at $2,00 per well or a total of $26,730,000. This has grown from 1,470 wells drilled in the Eastern states in 1872, when the average cost was nearly three times as much as it is at the present time. At the present time a number of wells in California producing oil is estimated at about 1500.

A GOOD SHOWING.

The Pacific Coast Underwriting Company Have Underwritten a Portion of The Stocks of the Following Companies.

Church Mine Development company; Jno. Ross, Jr., president; J. J. Crawford, secretary.

Gray Gander Oil company; O. B. Phelps, president; G. F. Abbott, secretary.

Harvey Oil company; Dr. W. A. Harvey, president; S. D. A. Allen, secretary.

California Oil and Investment company; A. J. Robinson, secretary.

Famosa Oil company; Jno. B. Albro, president; T. A. Shephard, secretary.

Kern River Oil and Development company, Henry Dechant, president; L. E. Ensign, secretary.

Marin Oil Land company; S. M. Smith, secretary.

Lincoln Oil company, Oakland, Cal.; J. H. Edson, secretary.

LOS ANGELES COMPANIES.

Imperial Consolidated Oil company; Clinton Johnson, president; J. A. Brown, secretary.

California Mineral Oil company; J. J. Wilson, president; F. H. Piper, secretary.

American Girl Oil company; Walter H. Wren, president; A. S. Park, secretary.

Eighty thousand eight hundred shares Keystone Oil and Development company stock (individual).

Arizona Giant Copper company; J. C. Kirkpatrick, president; Geo. D. Copeland, secretary.

Santa Maria Oil and Gas company; F. F. Rowland, president; G. Kloeckner, secretary.

Placerita White Oil company; J. G. Evans, president; J. B. Lehigh, secretary.

Taylor Ranch Oil company; H. J. Coates, president; G. Kloeckner, secretary.

San Miguel Oil and Development company; E. O. Parker, president; J. G. Evans, secretary.

Diamond Oil company; Hon. E. D. Berri, president; W. W. Allen, Sr., secretary.

Main office, 504 Parrott building

The Sovereign.

The Sovereign Oil company have commenced its first well, and another will be commenced on Monday next, the company having purchased the complete Standard drilling rigs. The Sovereign people are after oil in earnest, and as the land upon which they are drilling is proven territory, a strike of oil will, without doubt, be chronicled in an early issue of the REPORTER.

A Splendid Opportunity

FOR INVESTMENT

Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.

We also have for sale or lease any part of section 26, township 32 south, range 23 east, Sunset District, on reasonable terms.

ROOM 625 LAUGHLIN BLDG.

LOS ANGELES, CAL.

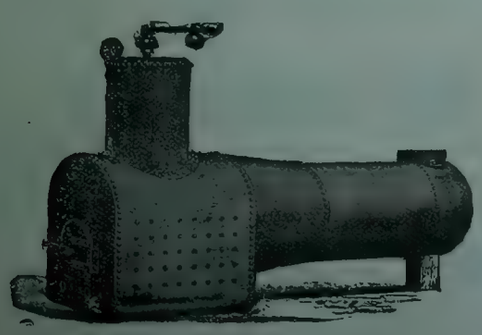
Now Drilling.

THE BAY CITY OIL COMPANY,

Is now drilling on its lands in Midway District, Kern County
Price of Stock is $1.50 per share cash or in five equal monthly installments (2½ per cent. discount for cash),
Circulars and maps sent on request.

Bay City Oil Company

321 Safe Deposit Building, San Francisco.
GEO. W. TURNER, President.
E. N. SEWELL, Secretary.



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21 & 23 FREMONT ST., SAN FRANCISCO.

Engines, Boilers and Pumps for

OIL WELLS

Well Boring and Drilling Tools. Prompt Delivery Guaranteed

Capital Stock: - 300,000 shares
Par Value, $5 per share.

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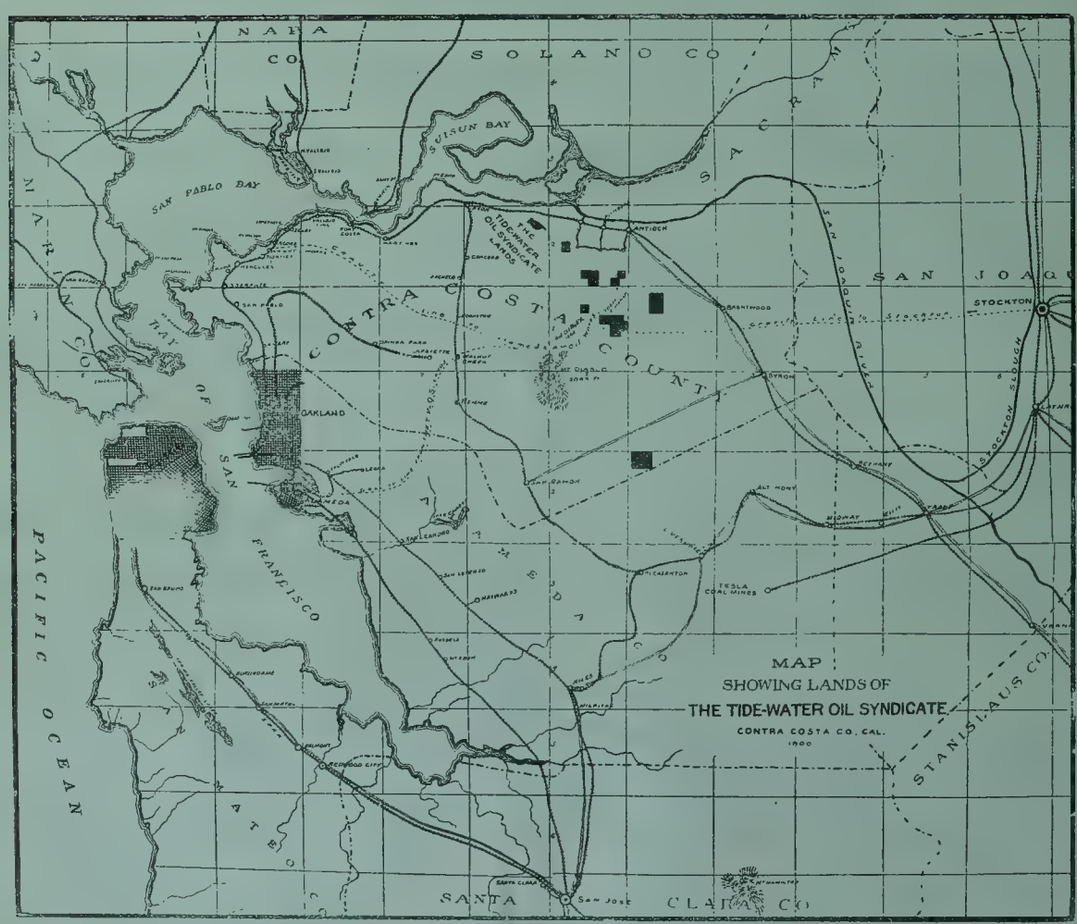
or 66 2-3 per cent



The Tide-Water Oil Syndicate

Write for Inside facts

Office 570-71 ParrottBuilding, San Francisco

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

FRESNO.

Ninety barrels is the first production of the "28" Oil Company's No. 2.

The Wisconsin Oil company near Coalinga, is now down 800 feet and still sinking.

The investment on section 16, 19-15 has again begun work is now using 5⅝-inch casing.

On 22, 19-15 the Merced Oil company has begun work after several months but down.

Well No. 4 of the Independence Oil company on 28 is in sand and expected to be one of their best.

Work on the Star Oil company's property has been discontinued for several weeks. They were down about 800 feet.

Good expectations are entertained for well No. 4 of the Oil City Petroleum Company, which is now in the sand.

It is said that a valuable field exists n the neighborhood of the old Keystone Oil company on 4, 19-15. Their well is now down 1250 feet.

Chanslor & Canfield have a depth of 800 feet on No. 11 and are ready to begin on No. 12. On their Coalinga property they are drilling on No. 10.

The California Rock Oil is now down 1200 feet and think they will reach sand in the next filter. They are ready to put in 4½-inch casing.

Water is giving much trouble to the Blue Goose Oil company who recently tooled and pumped their well in an endeavor to get rid of it.

Another flowing well is expected in the Home Oil company's No. 6 which has reached the sand and been shut in. This company is now completing its 32,000 barrel tank.

The Minnesota Oil company has abandoned their hole on section 33 and moved the rig to begin a new one. The old one was down 900 feet and was given up on account of trouble with the casing.

The new well of the Confidence Oil company, section 31, 19-45 is having tubing put in. It has about 400 barrels of oil stored which was taken out with a bailer. The company is also putting up a rig for No. 2.

Several companies in the Coalinga neighborhood have discontinued work for the present. Among them are the Muntjac: the Elk Oil company, whose rig is now working on the Caribou No. 2; the Great Eastern Oil company on 28, 19-15, which stopped at 1200 feet and pulled its casing, with the intention of using it for the water supply on another well; and the Carmelita on 2, 20-15 which has done nothing except to put up a rig.

KERN.

The Lone Star is now working in good ground.

B. E. Greer has assigned to Doran and Brouse his interests as lessee in 20, 28-28 for $6000.

The tanks for the McKittrick well are in place and the well is ready for perforation.

The rig of the Royal Union Oil company has been sold to satisfy a judgment of $415.

The rig of the Worth X-ray Oil company, operating on section 11, 21-30 at McKittrick, is now on the ground.

Operations will soon be begun on section 31, adjoining Oil Center by the El Zuro Puro company.

The ladies are taking a hand in the oil business. The Progressive Woman's Oil company has secured 160 acres in the Temblor district.

It is reported that the Hawkeye State Oil company is taking a new lease of life and putting up a rig on its Kern River property.

Sinking has begun on No. 2 on the Shasta Oil company's property in 14, 28-27. This well will begin with fourteen-inch casing.

The Aztec, on 29-28, is said to be getting 200 barrels a day from their well No. 8, which has just been finished at a depth of less than 1000 feet.

The ownership of a large part of section 31 has given its name to the "Thirty-One" Oil company, which has property near Temblor.

The Central Point Consolidated, operating on 4, 28-28, Kern River field, is now shipping about five carloads a day. It has 12 wells completed and a rig ready for No. 13.

The Senator Oil Company on section 4, 29-28, would be prepared to ship four hundred barrels a day if its pipe line to the railroad were completed. This line will be finished soon.

On the property of the Superior Oil company near Bakersfield the drill is twenty-five feet in the oil sand with a nine and five-eighth-inch casing. There is a strong flow of gas and every assurance of a good well.

A flowing well has been struck in Sunset district on section 12, 11-24 by the Lion Oil company. At 700 feet the drill penetrated the sand and the oil at once rose to the top of the 11¾-inch casing. With the next screw the flow came a foot over the casing. The well was capped and the tanks will be put up at once.

The scarcity of water in the desert has made it necessary to have a good supply of mountain water. The Sunset Water company has provided tanks and is developing a water supply. Pipe laying will begin this week and continue until the system is complete.

Chanslor & Canfield are rebuilding the Bakersfield Iron Works recently destroyed by fire, on a larger scale. These works were originally intended for their own use, but as the oil men could not get the use of the railroad shops at Bakersfield the owners were induced to put in a larger plant for the use of the oil men of that vicinity. The new plant include a machine shop, blacksmith shop and foundry, which will give employment to about 100 men.

Much interest is taken by oil men in the strike made by the Arizona Western on the northwest quarter of 8, 29-28, on account of its showing an increase in area of the Kern River field about a mile further west and south, in the direction of the Pacific Coast Oil and Development company. Oil indications have been abundant for some time past, and on the 30th the drill went twenty feet into oil, at a depth of 853 feet. Drilling was stopped and the casing was put down. The Arizona has a lease on twenty acres, on a one-sixth royalty from E. M. Roberts.

C. J. Rader of the Monarch Oil company of West Virginia has just paid a visit to the Sunset fields and report that the Oriental has started to work on 30,

(Continued on page 16.)

KERN RIVER OIL

AND DEVELOPMENT COMPANY

212 Sansome street, San Francisco, Cal.

Lease 130 acres in the Fullerton Oil district, Orange Co.,
Owns 320 acres in the Kern River oil district, Kern Co.,

250,000 shares of $1.00 par value. 100,000 shares in treasury.

Treasury stock for sale at $1 a share. fully secured.
Treasury stock for sale at 50 cents a share, not secured.

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EUGENE J. ENSIGN - - - - - - Vice-President
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(with Firemen's Fund Insurance Co.)
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Lands to lease on royalty or will take stock in progressive companie
Companies Incorporated under non-assessible laws.
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NEW RAPID HYDRAULIC ROTARY and WALKING BEAM combination rigs.

NEW STYLE STANDARD RIGS with all iron sprocket belts and rope drums.

NEW MULTIPLE PUMPING PLANT, with separate stroke for each well.

HYDRAULIC CLEANING AND FISHING OUTFITS.

FUEL OIL FOR SALE.

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Rigs Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

Telephone 341 21st and I Streets. P O. Box 463
BAKERSFIELD, CAL.

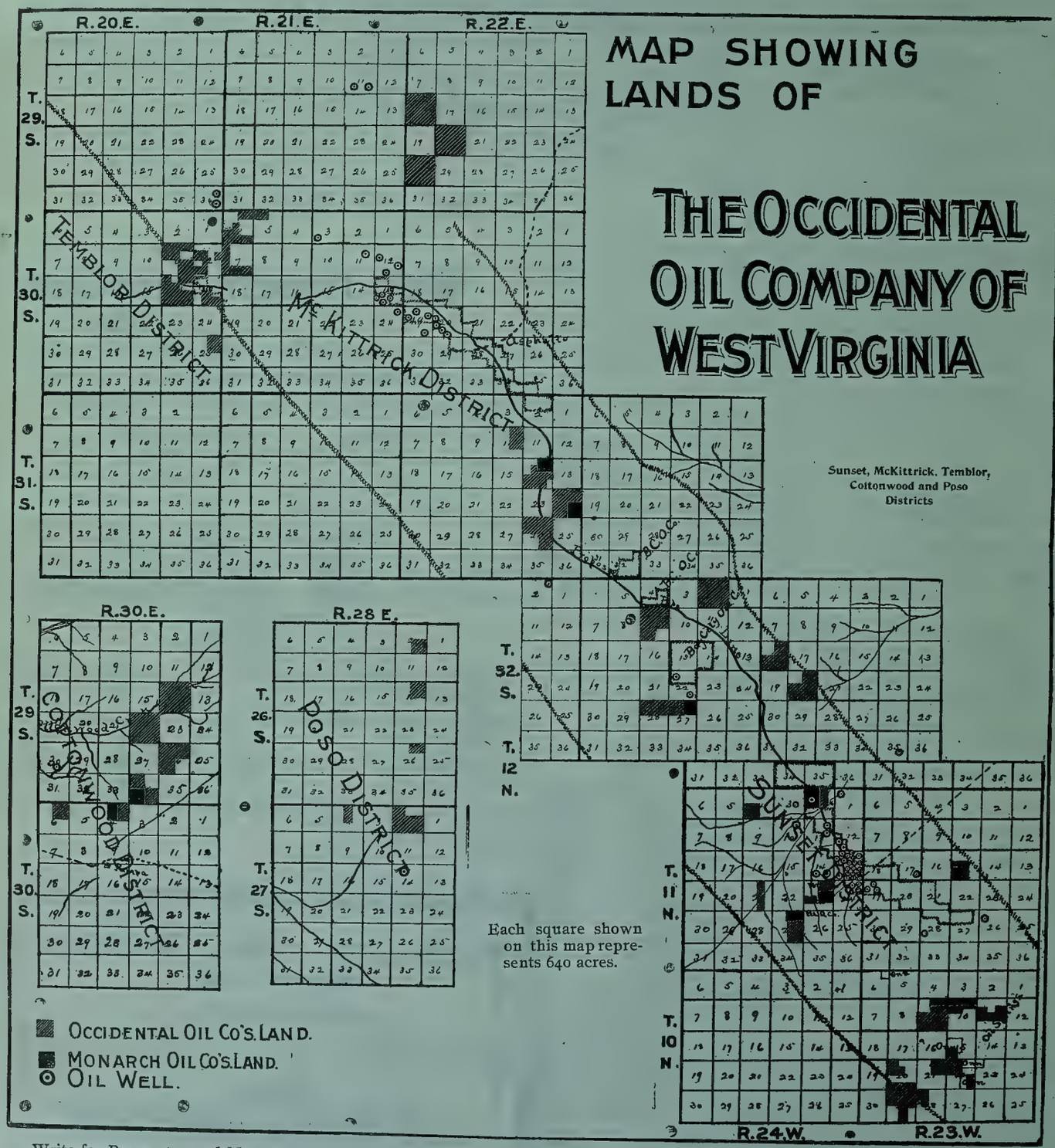
The Occidental owns over 11,000 acres of land in the five well-known oil district Kern county, Cal. The land is so distributed that every new strike, no matter by what Company increases the value of the Occidental lands

Drilling was begun the last of September on section 2, township 11 N, range 24 W and the second oil sand was encountered November 5th, at which time the oil rose 200' feet in the casing.

The First Well of the Occidental Oil Company will undoubtedly be a 40 barrel well.

Only a **Limited Quantity** of Treasury stock remain for sale. This will be closed out in a few days at 75 cents per share.

Apply at the main office or at any of the sub-agencies of the company., for the purchase of stock or for any further information.



Write for Prospectus and Maps.

OCCIDENTAL OIL COMPANY 470 - 471 Parrott Building, San Francisco, Cal.

M. R. GOLDERG, Rooms 53 and 54 MacDonough Building, Oakland, Cal.
DR. W. W. EASTMAN, Sonora, Cal. W. J. GRAHAM, No, 165 North First street, San Jose, Cal., MRS. G. H. YOST, Paol Alto

San Jose Petroleum Co.

The San Jose Petroleum Company is incorporated, with a capital stock of 500,000 shares of the par value of $1.00 each, 200,000 shares of which are placed in the treasury to be sold from time to time as needed for development work.

A limited amount of this treasury stock will be placed upon the market at .... cents per share, the proceeds to be used for immediate development, the Directors reserving the right to advance the price at any time without notice.

The officers are well-known business men of San Jose. Their character and standing in the community is a guaranty that the affairs of the company will be conducted honestly, economically and on a sound business basis. The President, H. W. Conkling, wholesale and retail grocer; the Vice-President, L. A. Spitzer, County Assessor of Santa Clara County; the Secretary, D. A. Porter of D. J. Porter & Son, real estate and insurance; the Treasurer, C. A. Bothwell, jeweler; Judge S. H. Langford, a resident of San Benito County for many years; J. C. Conkling, mining operator. The attorneys, Allan Brant and F. B. Brown, are prominent members of the Santa Clara County bar.

The company's land lies in the Fresno-San Benito District, in San Benito County, and consists of 800 acres, being the W. ½ of section 7, township 15 south, range 11 east; E. ½ section 12, township 15 south, range 10 east, and 160 acres in section 20, township 17 south, range 11 east, all of which is in the acknowledged oil belt of the State, and is in the direct trend of the oil measures of the famous Coalinga oil fields, as shown on the map of the Geological Survey of the State as published by the State Mining Bureau.

Several companies are now operating in close proximity to our lands with most encouraging results, oil of a very superior quality having already been found. The Union Oil Company, lying midway between our land in township 15 and township 17, has two producing wells. The survey of the proposed Fresno and Monterey Railroad passes near the company's land.

The formation of sandstone and shale in our land is very regular and unbroken, and is pronounced by oil experts to be most favorable for the production of a good quality of oil.

Colonel M. M. Ogden, Field Expert for the Producers' Oil Exchange, San Francisco, in his report to the Dos Palos Oil and Development company has this to say about part of the land owned by the San Jose Petroleum company: "My next examination was of the land lying along the northerly line of the valley. Here I found by reason of the erosion of the waters and exposures (cross section) of an anticline of a great arch judging from the lateral approaches composed of unaltered shales, sandstone and pebbly conglomerates, the folds of this anticline dip at 32 deg. 30 min. and the strike is northwest and southeast. The dip of this anticline can be followed through section 7, township 15, south, range 11 east, and section 12, township 15 south, range 10 east. I am convinced that wells located along the dip of this anticline will be most prolific yielders of oil; the sandrock closely concreted is practically identical with that found in the large producing wells at Coalinga."

The only thing the investor in oil stocks need fear is the willful misapplication of funds raised for development purposes. This can be guarded against by confining investments to companies whose board of directors and officers are composed of men of acknowledged ability and integrity. Under such management there is no reason why the shares of some companies which are now offered for less than $1.00 per share, should not ultimately command many times that price. This has been the history of speculation in all oil mining regions. Five million dollars has been known to come out of a single well in Pennsylvania, where the flow was no greater or the indications no better than they are at present in some of the oil fields of California.

Fortunes have been made by many of our citizens out of oil, and greater fortunes are yet to be made out of this new and growing industry of the State of California.

The production of oil in this state has steadily increased since 1889, the total yield in that year being less than 300,000 barrels; ten years later—1899, the production amounted to 2,642,000 barrels and for 1900 it is estimated the yield will be over 4,000,000 barrels, and yet the consumption is far in excess of the supply. Its use for fuel is fast supplanting coal, being much cheaper, cleaner, and more easily handled.

The office of the company is at room 1, 85 South First street, San Jose, California.

400,000 Shares of Oil Stock

FOR SALE

Monarch, Lion, Occidental, Salinas Oil and Development Co., Etc.

Address——

S. S. SIMON, Original Owner,

565-566 Parrott Building

Telephone, Folsom, 1881.

Oil Lands given for development purposes or for forming companies.

For Sale or to Lease

Thosands of acres of No 1 OIL LAND in the

Kern River McKittrick and Sunset Districts

James R. T. Mershon

Oil Land and Stockbroker, Rooms 537, 538, 539 Parrott Building

San Francisco, Cal.

Companies promoted and assisted in the raising of their development funds.

PROMOTER OF THE FOLLOWING COMPANIES.

Promoter of the **Monarch Oil Oil Co.** of Arizona, **Prudential Company,** of Arizona, the **Lion Oil Co.**, of Arizona, and the **J. S. Potts Oil Land and Development Co.,** all located in he Sunset district, Kern county

ATLAS PATENT PIPE WRENCH

A High Class Drop Forged Steel Tool.

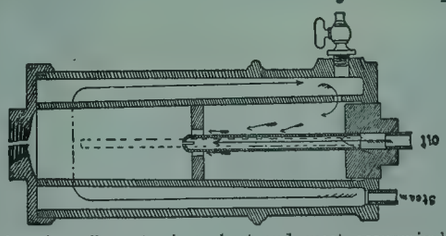
Quick, effective and Positive in adjustment. The good qualities o Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eight of an inch wire to 4½ inch pipe. For sale by Hardware, Plumbing and Oil Well Supply Dealers.

ATLAS PIPE WRENCH CO. 51 Fwood Bldg San Francisco

New York Office 121 Liberty Street Works, New Haven, Conn

Pacific Coast Machinery Company

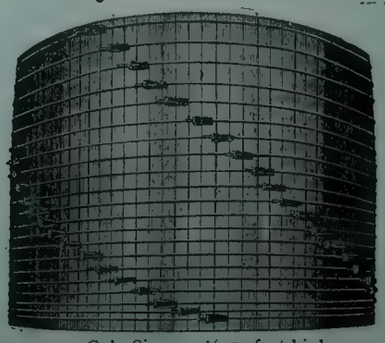


Dealers in Crude Petroleum for fuel and gas, also manufacturers of the Larkin Retort Oil Burner, unequalled for economy and ease of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank, wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economical equipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil business we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company If you are thinking of using Crude Petroleum for fuel give us a call.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco

The Excelsior Adjustable Round Hoop Tanks

Are the Cheapest Most Practical AND Satisfactory TANKS In The Market for Storing OIL



30,000 Gal. Size 20-2½x14 feet high.

For Prices address **The Excelsior Redwood Comp'y.**

Fourth and Channel Sts. San Francisco. Manufrs and dealers in Lumber and House Finish

C. A. HOOPER & CO., Agents

204 Front street, - - - - - San Francisco, Cal

(Continued from page 13.)

32-24. Lumber has been sent in for derricks on the SW¼ of NE¼ of 31, 32-24 for the Gypsy Queen. Jewett, Blodgett and Beal have started to build a new derrick on 35, 12-24 Sunset. There are also four rigs going in on section 34; one to the Acme; one to the Golden Gate; and two to the Jewett and Blodgett. The Union Lumber company of Bakersfield stated to Mr. Rader that contractors are now in Bakersfield figuring on twenty Standard rigs to go into Sunset for Oregon people.

LOS ANGELES.

Drilling has begun on No. 11 belonging to Hardison & Hardison.

No work has been done for some time on the ground of Davis brothers east of Colegrove.

The East Whittier Oil company expect to go about 2000 feet. They are now down about 1600.

The North Whittier has a depth of 900 feet, Consolidated 400, Central Oil company's No. 28 is over 600 and the No. 16 over 300.

Drilling has again begun on the well of the Ivanhoe Oil Company which has been idle for some time.

The Union Petroleum Company has reached a depth of 850 feet in No. 1 and a rig is going up on their No. 2.

The Central Oil company have finished putting down 1200 feet of high pressure six-inch pipe line. When the line has been tested and the connections made with the pump the company will discontinue using the water tanks and employ them for oil storage.

Two wells have been abandoned by the Wellington Oil Company lately. This company is now drilling on its No. 26.

New territory in Los Angeles City is being exploited on upper Main street between Schiefflin and Sottello streets, just west of the river, half a mile from the nearest well.

It is thought some trouble may be encountered here on account of the city ordinance restricting the oil operators within certain limits.

Thomas Joyce is working on land leased of the Central Oil company. He will drill two wells before he puts in a pumping plant.

Several companies have settled down between Newhall and Camulos, about two miles east of the Temescal ranch, and have begun to look for oil

The Berkeley Oil company is pushing work near Newhall, adjoining the Ramona. They are down 1,000 feet but no oil yet.

The East Peru Oil company is one of the operators in the Newhall field, and say that their well is now 700 feet deep.

The Los Angeles county oil men are having the same trouble about their water supply that is found in other localities. Some of them are paying $5.00 a day per well for water.

It is expected that the well of the Rodeo Oil Company now down 750 feet will make a good producer when finished.

Two hundred acres of land have been leased at White's point, near San Pedro by the Sepulveda Oil Company which will go to work as soon as their machinery arrives.

A first class machine shop reported to be the first in California has been put up by the Puenti Oil company on their property. Gas is piped from the wells by this company and is used in the company's houses for both cooking and lighting.

The latest report from the Whittier-Fillmore plant is that the drill in the company's well is now making good headway. The well had a crook in it for some time, which delayed developmen in it for a few weeks.

While pulling a well belonging to the Pennsylvania Oil Company on Figueroa street, the men pulled the derrick down. Rebuilding it will entail an expense of about two hundred dollars.

Water is giving much trouble in some parts of Los Angeles. The Oscar Bonner Oil Company's well has been cased off twice and both times the pressure caved in the casing, and J. H. Olsen has also been compelled to stop deepening his well for the same reason.

A drilling rig of the Aetna Oil company is at work on section 8, 4-17 near Newhall, and they are able to report that the drill has reached a depth of 200 feet. Casing of 11⅝ inches is being used and the prospects for a strike are considered good No success has attended the prospecting of the Ramona Oil company up to the present time. This last well was 500 feet deep.

ORANGE.

The Union Oil company is building a private telephone line from Brea canyon to San Pedro.

The fourth well of the Fullerton Oil company is ready for the pump.

The Harbor company is drilling in the San Pedro field very satisfactorily; good oil indications are being obtained.

The Tribune says there are 109 producing wells in that section, including the Puente wells, which are in Los Angele county.

The Fullerton Consolidated has its well No. 5 down 1,000 feet, and expects to go down at least 100 feet more. They have a small amount of oil and a good deal of gas. The company's fourth well is now on the pump and is credited with a production of almost 100 barrels of oil a day. Well No. 2 is also on the pump and is said to be producing about 90 barrels of oil. The drill in well No. 6 has eaten its way in 600 feet and is just entering the first oil sand.

MONTEREY.

C. A Burcnam of Randsburg, Cal., considered one of California's leading mining experts has been overlooking the oil fields in southern Monterey.

SAN DIEGO.

Development work on the property of the La Jolla Oil company near La Jolla is being rushed with all possible speed In spudding in recently the shaft was sent in 112 feet and drilling was begun from that depth last week.

San Diego has an oil company called

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwrttien the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable.

2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily instigated,

E, D. COOLEY, Paesident,
W. B. BURROWS, Secretary.

Oil Comp'ny

Incorporated under the laws of South Dakota June 21, 1900.

Capital stock 200,000 shares; par value $1 each, Treasury stock 100,000 shares; sold with guarantee for development purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President.....J. L. DOBLE
Secretary.....G. F. ABBOTT

Write or call at office 330 Pine stree rooms 44 and 45, for special induce mentsfor a short time

the Monarch, which has made a record for losing the drill that no company in the State cares to break. The last report from the company's plant is that the operators are now engaged in fishing out the lost tools. Indications were that the drill will be brought to the surface before the end of the week, when operations will be resumed.

SHASTA.

Much excitement is prevailing in Redding in regard to the discovery of oil in Little Cow Creek District. A company has been organized and several thousand dollars worth of stock taken.

SANTA BARBARA.

No. 22 is down 200 feet with 7½ casing. The sand lies about 400 feet.

Five rigs are at work in the Summerland field, work double tour.

The 600 foot wharf of the Senta Barbara Oil company has been finished and drilling will commence as soon as they can secure a rig.

The drills which were stuck in the Sycamore canyon oil well have been removed and work resumed. Unless there is some further accident the work will be pushed to an early completion.

The Southern Con g lidated Oil company is making good progress with its second well near Carpenteria having commenced work on it with a Standard rig a few days ago.

Last week at Summerland a hurricane blew over three drilling derricks, none of which were in use, viz: The Jaunita, on the Daniel's property; the Woman's company, on the Nor hrup property and the derrick of the Summerl nd Oil and Land company. Two small pumping derricks also went over.

There is a flowing well on the wharf of the Duquesne Oil company at Summerland which is producing seventy barrels daily. As the oil was struck in a rock formation, there is no trouble from sand in the well.

SAN BENITO

The activity of oil men is reported to be making itself felt considerably in the neighborhood of Paicines.

The Conkling ranch near Paicines is being prospected with a view of having an oil well sunk

Water pipe is being laid by the Hollister Crude Oil Company from the Hollister Water company's pipe to the site of the derrick.

It is expected that the Star Anticline company will have a rig at work on the company's territory in Bitterwater.

Road building is nearly completed by the Dwigo Oil company near Hollister

The Hollister Crude Oil company expect to be drilling early in December.

VENTURA.

The Crown King Oil company, the Piru Land and Oil company and the Buckhorn Oil and Transportation company each began a new well last week.

Messrs. Fox and Collar have stopped operations for the Santa Ana Oil company for the present, and gone to Newhall.

The Bard Oil and Asphalt company, operating on the Bard tract in Ventura county, is putting down two new wells. The old wells are producing about 1000 barrels per month.

Several new wells will be put down soon on the Cook ranch, in Ventura county, now owned by the Pitu Oil and Land Company. The six oil wells have increased their production as the result of being cleaned out.

The Buena Oil company is down 750 feet in its well on the western end of Sulphur mountain in Ventura county. A small amount of oil was struck at 700 feet, which gives the company much encouragement. Drilling is still going on.

Thomas Price & Son

Analytical and Consulting Chemists

526 Sacramento street, San Francisco

W. FORGIE

Manufacturer

OIL & GAS WELL

RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices, etc., inquire of

D. HOOKER Los Angeles, Cal., or W. FORGIE, Washington, Pa

LINCOLN OIL COMPANY

J. H. EDSON, Secretary and Manager

Rooms 21 and 22 1003 1-2 Broadway Street, = = = Oakland Cal

Expert's Report.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 7, township 28 south, range 28 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property ies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from in dubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours

M. M. OGDEN

Field Expert Producers' Oil Exchange, San Francisco, Cal.

Drilling Commenced at Once.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stok, 4500 shares being purchased by one party last week. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. The next will sell for twice that amount.

OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building, San Francisco. Telephone, South 795. Shares 25 cents. Raised December 1st to 50 cents. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATION CO.
Capital.....$200,000
20,000 shares at $10
Location. Ventura county, 150 acres two miles south of Buckhorn.
Officers- Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president; W I Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary; H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital.....$200,000
Locaion, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer; P. B. Nagle attorney.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital.....1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors : Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization.....$2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, townsip 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east. M D B and M.
Officers: W H H Hart, president; R J Davis ecretary; W M Graham, H J Umbsen, D E Hayes nd W H Snedaker
Office: 149 Crocker Bldg., San Francisco.

COMMONWEALTH OIL COMPANY. Capita stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its etire nrig outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, J. C. B. Hebbard, Chas J. Heggerty, Chas. A. Lee, John C. McElroy.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location, N ½ of NE ¼, S 28 T 28, R 28 E, Kern River District; NE ¼ S 12, T 27, R 26 E, Poso District, Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County Offiers and Directors—John H Wise, President; Wm. H Busch, Vice President; W H McKenzie, Arthur B Price, S N Griffith; Depository, Wells, Fargo & Co's Bank; E A Klugel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par Installment plan, ten per cent, payable monthly.

EQUITABLE OIL CO.
Capital.....$500,000
100,000 shares at $5.
Locat,on: Kern county: Southwest ¼ of section 1, township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22 1900, under the laws of South Dakota. Capital, $350,000. Nunber of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer, Germania Loan & Trust Company. Directors---John P Albro, A J Munton, T A Shepard, S D Miner, Capt E F Whitney, Frank Du Bois. Office --393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital.....$20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34, township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson.

GRAND PACIFIC OIL CO.
Capital.....$1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL LAND AND DEV. COMPANY
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth N tional Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office— Marquette bldg; J S Purdy, agt.

LION OIL COMPANY. Incrporated under the laws of Arizona. Capitao$500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors---Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vise.president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spaeckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO.
Capital.....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, west, S B B and M, Sunset district.
Officers and Directors: W C Tighe, president; Joe Bancroft, vice-president; J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building, Madera, Cal.

Great American

Oil & Development Co.

At the first meeting of the board of directors of the Great American Oil and Development Co., on Saturday, Sept. 22, it was decided in order to begin development work at once on its property in Monterey county, to offer to the public 50,000 shares of the treasury stock of the company at 15 cents a share

Only 15,000 Shares of this block remain unsold.

As soon as this block is disposed of the price will be advanced to 30c. The company owns nearly 4000 acres of land right in the heart of the Monterey Oil Belt, and in buying Great American stock you buy an undivided interest in this entire body of land. Incorporated under the laws of Arizona. Stock absolutely non-assessable.

MOSTELLER & ALLEN, Gen'l. Agts
Roms 565-566 Parrott Bldg. San Francisco

HERCULES Oil CO.
Capital $100,000.—— 100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Flagemann, Leo Porkwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital.....$400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m,

INDEPENDENCE OIL CO.
Capital.....$600,00
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec, 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union rus t Company, treasurer and depository,
Office: Room 435 Parrott Building, S. F.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 428c acre2.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey. M. D., Edwin R Lawson-Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street, St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Cleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) building, San Francisco.

ORIENTAL OIL COMPANY.
Capital.....$100,000
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county, Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager.
Office. Room 506 Pa rott Bldg., San Francisco

PETROLEUM CENTER OIL CO
Capital.....$500,000
500,000 shares at $1.00
Officers—William Johnson, president; H Van Bergen, vice-president and treasurer, G S Clark, secretary. William Johnson, H Van Bergen, S Richmond, M J McGarry, J W Schaffer.
Office—Room 29, Third floor Mills, building.
Location: Kern county. 640 acres in section 8, township 28 south, range 28 east, 20 acres in the SE¼ of section 28, same township and range, and 80 acres in the W½ of the N¼ of section 13, township 29 south, range 28 east, and 40 acres in the SE¼ of the SE¼ of section 24, township 28 south, range 27 east. Total, 780 acres.
Los Angeles office, 30 Bryson b'ock. M J McGarry Agent

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco. Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000, Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices, 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county. California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president Allen Brant, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office : Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SALINAS OIL COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares, 1,000,000. Land, 2000 acres in Monterey county. Officers and Directors—President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, W N McCarthy; secretary, J B Olsen, San Francisco; attorney, Hon Eugene F Bert, San Francisco. Office—Room 584 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Treasury stock at 18 cents.
Officers and Directors—R S Aston, president; J W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THREE STATES OIL CO. Limited.
Capital.....$1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt, Hon E P Colgan, I N Pattison, M F Levy.
Office—612 Examiner Building.

U. S. OIL AND MINING CO.
Capital.....$300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut, secretary.
Office—211 19th street, Bakersfield, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.. ...par value, $1.00.
Officers: Wm. Crites, president: F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., Depository.
M. R. Goldberg, rooms 53 and 54 Macdonoug building, agent Oakland, Cal.

OCCIDENTAL OIL COMPANR
OF WEST VIRGINIA.
Capitpl stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agent, 364 Parrott Bldg. Telephone, Jessie 1683.

THE RAVEN OIL COMPANY

Capital stock $100,000 divided into 100,000 shares of the par value of $5 each. Location 162 50-100 acres in south half of south half of south half, section 6, 29-25, and lots 1, 2, 3 and 4 containing 204 acres, same section Kern River district. Officers—Hon. John R. Aitken president, C. H. Congdon vice-president, C. H. Quincy secretary; D. G. Overall, superintendent, Paul V. Finch, Bank of Bakersfield treasurer.

San Francisco office—Hon. John R. Aitken, Clunie building, 503 California street.

YOSEMITE OIL COMPANY

Capital.....$200,000

100,000 shares at $2.00

5032 acres located in Kern River, McKittrick and Colinga Oil District.

Officers—A. B. Lapp, President, H. G. Stahl vice-president, W. W. Cannon secretary, W. E. Beck Treasurer, Crocker-Woolworth Bank, depository.

Directors, Jas. G. Maguire, J. F. Sheehan, Judson Davis, O. E. Hotchkiss.

Office—Room 23 Crocker Bldg., San Francisco.

YOUKN CRUDE OIL CO.

Capital.....$250,000

100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J. Crocker, president; Wendell Easton, vice-president, W. S. Armstrong, secretary, J. L. Rathbone, E. W. Runyon, C. S. Benedict, Geo. Easton, Jno. F. Merrill, F. W. Sumner and Geo. W. Henderson.

Office 638 Market street, San Francisco.

WILD GOOSE OIL CO.

Capital.....$500,000

100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers: Claus Kroeger president, A. F. Coffin vice-president; H. C. Tilden, E. L. Dow, N. H. Eaton, L. F. Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone—Main 671

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General & Detail View of Derrick as Built by Cal. H.E. & S. Co.

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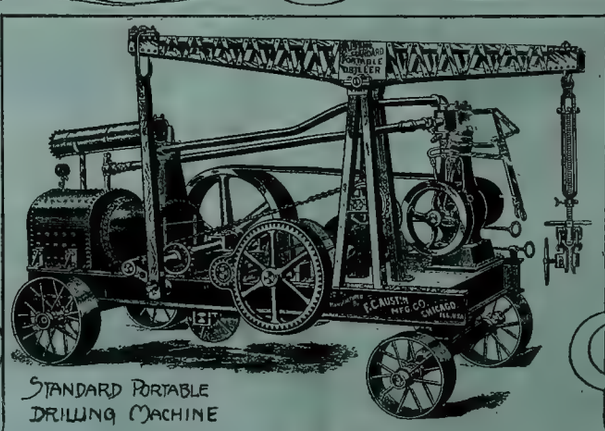

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VOLUME 2 NUMBER 2

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, NOV. 16, 1900

Opportunities for Investment

Our Drillers Are Rapidly Nearing the Oil Sand

The price of this Stock has Advanced to 75 cents a Share

Office: Rooms 417-418 Parrott Building, No. 855 Market St., San Francisco Phone Howard 346

MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R. F. MORTON C.E.

Scale of Chains — Scale of Miles

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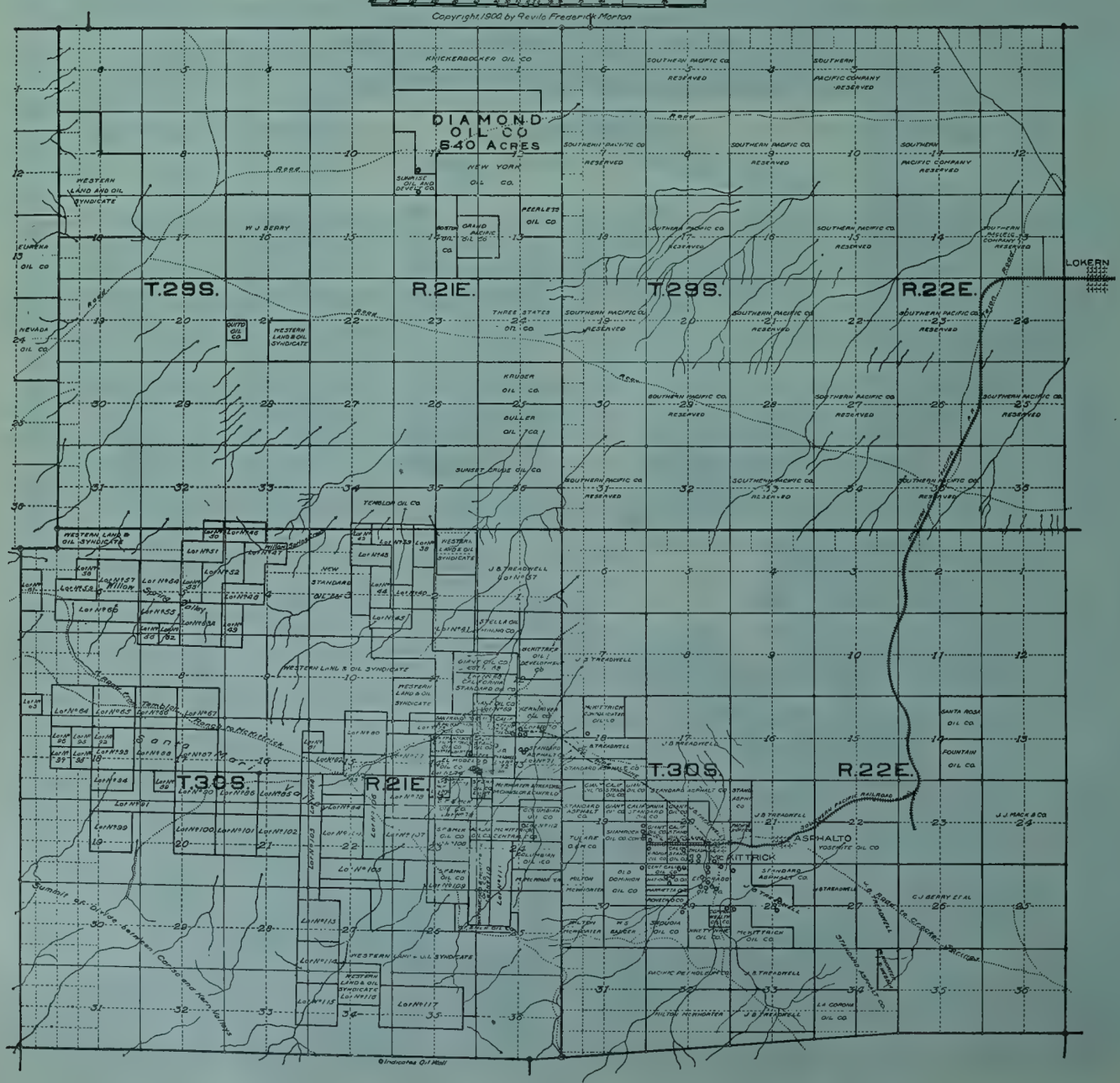

PACIFIC OIL REPORTER

Vol. 2, No. 2 SAN FRANCISCO, CAL., FRIDAY, NOVEMBER 16, 1900. Price Ten Cents

DEVELOPMENTS IN SUNSET.

What the Oil Men are Doing On the West Side.

An Old Field Recently Brought Into Prominence Through Extraordinary Producers.

About forty miles southwest from Bakersfield, a country most of the year barren and desolate, but affording a little pasturage for sheep and cattle for a short time in the spring, lies the Sunset district. This section is usually considered as including the McKittrick field, and originally the two were identical, but oil men have gradually come to consider them as two separate and distinct localities. The country lies in the lower tier of foothills, which constitute the base of the Coast Range and extends out to the open country which forms this part of the San Joaquin valley, and which for absolute uniformity of surface would be hard to duplicate. The foothills, like the valley, are much covered by a light and very dry soil, which might prove productive were it not for the almost entire absence of moisture, so very scarce that the prospectors experience great difficulty in securing a sufficient supply of fresh water to carry on their operations. Trees are unknown and the only vegetation for the greater part of the year is a stunted sage brush. Here and there are black beds of bituminous deposits and white patches of residue from alkaline or salt springs.

A geological examination of this territory has shown that there are two oil yielding formations, the first composed of a light-colored silicious shale in which a black oil of heavy gravity is found. These shales crop out everywhere throughout the country, and the white color which the float takes after being exposed to the air for a time gives the surface in many places the appearance of having been burned over. The second oil-bearing stratum, which produces an oil of a greenish color is notable for having a dark shale of a sandy or clayey character instead of the light colored shale of the former stratum. These formations have been classed as products of the tertiary period, instead of the earlier formation found at Coalinga, which produces oil of a much higher gravity. The first well bored at Sunset had a great deal of trouble on account of the presence of salt water, but later experience in drilling and the selection of more favorable locations have removed much of this difficulty. In the Sunset district proper, which lies at some distance from the McKittrick branch of the railroad, there is considerable expense attached to transportation Bakersfield, which must be done by teaming, but it is highly probable that a branch of the railroad will be extended into this section in a very short time, for freight charges must be paid both on the machinery going in and the rapidly increasing oil product which must be taken out. Jewett and Blodgett, well known bankers of Bakersfield, have spent a number of years and a great deal of money in bringing this section to a point where outside capital has come in for development, but until recently the want of practical knowledge of oil operations in such a comparatively unknown district has prevented their work from meeting with the success which it deserved. Within the past year, however, they have been carried along on the tide of success which has brought the oil business to a substantial basis. Their well on section 35, 12-24, although still drilling and not yet finished at the present time, produces sufficient oil to make a daily record of sales to neighboring companies of over 60 barrels a day during the month of October. Not far away, on 2, 11-24, the Monarch of Arizona which struck the first oil on the Hill section, is pumping from wells 1 and 2, which promise to become good producers when the sand which now troubles them is removed. They have over 60 feet of the second sand. The Superior, on section 7, 11-23, is reported to have made a strike recently. At last reports they had 25 feet of oil sand and were still sinking. The Golden Gate, which had oil southeast of the Monarch, has moved to section 34, 12-24, for the purpose of protecting their location in that vicinity. On section 12, 11-24 the Lion of Arizona, situated a little way from the hills, has recently made one of the most remarkable strikes of the year on section 12, 11-24, and it is probable that this will encourage the Sunset Queen, Queen Esther and State Crude in the neighborhood, to renewed

Continued on page 10.

A derrick of the Kern River Oil company mirrowed in oil. (Photo by Aston)

Jewett and Blodgett's Asphalt Refinery in the Sunset Field of Kern County.

ASPHALTUM IN SUNSET.

New Features of a Rapidly Growing Industry.

The famous lake of asphalt on the Island of Trinidad. in the West Indies, is the supply of this material for the world, but California has several sources of supply which will become equally prominent. One of these is in the Sunset district near Bakersfield, where Jewett & Blodgett have been operating for a dozen years past.

Their first plan was to refine the solid asphalt, a bituminous rock composed of oxidized petroleum mixed with sand, which was found abundantly on the surface in this section. It was melted in large kettles and the refined drawn off while still a liquid, leaving the impurities, which were used as fuel. A better way, however, was found by making the asphaltum from a heavy oil, which was found in wells a short distance below the surface, and which was still in a liquid state. This material is subjected to the heat of steam, which is injected into large retorts containing several hundred barrels. It is impracticable to heat this material above 400 degrees Fahr, because at this temperature the bitumen separates into other materials. This product is a high grade asphaltum, the oil from which it is manufactured giving about half its weight in asphaltum.

There is a good market in the Eastern states for this material, which is used for roofing, paving and similar purposes.

THE SOVEREIGN

Will Receive Orders for a Limited Amount of its Treasury stock at

50 Cts. A share

The Sovereign is under the same management as the Sterling Oil and Development Company. It property is proven oil land in the Kern River Oil district, and drilling will commence at once. Four derricks have been erected and two Standard drilling rigs are now being put into position for the drilling of wells, the first of which will be within 100 feet of the producing wells of the Peerless Oil Company, and south of those of the Sterling Oil and Development Company.

Orders for this treasury stock will be filled in rotation of the receipt of orders, the company reserving the right to cancel this offer without notice. Maps of Kern River Oil District and Prospectus of the Sovereign Oil Company are free for the asking.

SOVEREIGN OIL COMPANY,
35-36 Crocker Building, San Francisco, Cal.
'Phone, Red 1751.

Well Nos. 1 and 2 Are Now Being Drilled.

AN ENORMOUS SUPPLY.

California Contains One of the Largest Asphalt Deposits in the World.

Mr. A. F. L. Bell, who for the past ten years has been in charge of the asphalt works of the Alcatraz Asphalt company in Santa Barbara county, has gone to Los Angeles. The appliances which this company has put in for the handling of asphaltum and conveying it in solution from the Sisquoc are remarkable in the history of this industry. The Sisquoc ranch comprises 35,000 acres lying about eight miles from Los Alamos in Santa Barbara County. The principal surface deposit of asphaltum or brea is about two miles long, and averages five hundred feet in width and three hundred in depth, so that a rough estimate would compute the quantity of asphaltum here at about eighty million tons. Another deposit close by having about the same surface, but only a hundred feet in depth, contains about twenty million tons more, so that these aggregate a hundred million tons. The deposits lie at an elevation of about two thousand feet above the sea and about three hundred above the surrounding valley, and this fact has been made use of by the company to get it conveyed to their landing at Alcatraz at a small expense by means of gravitation. As the asphaltum is a solid it was necessary to get it into a liquid form, and this has been done by means of dissolving it in gasoline or one of the similar products resulting from the distillation of petroleum. The pipe line which conveys the asphaltum in solution is a line of twenty-six miles of four-inch pipe, which takes the liquid to the sea, where the gasoline product was removed by evaporation, and after being condensed is pumped back through another three-inch pipe, to be used over and over again in the same way. This company, in which the Crockers are leading spirits, spent $100,000 in carrying this enterprise to a completion, and Mr. Bell has the credit of designing and perfecting the plant. The company first operated on a small scale at Carpenteria, and was then known as the California Petroleum and Asphalt company. A peculiarity of this great deposit is that it is a mixture of pure quartz sand and asphaltum, and contains no dirt or organic impurities, so that the solution is practically pure. It is a first class material for paving purposes, firm, cohesive and elastic. An analysis shows that it contains eighty per cent of petrolene and about twenty per cent of asphaltene.

A Half Moon Bay Company

New offices on the ground floor of the Mills Building have been fitted up for the Bella Vista Oil company, in which Thomas Gilbert of the Tide Water company and H. H Davis are interested. They propose to operate on 12 acres near Half Moon Bay. They will open up this territory going 2000 feet down with a Standard rig if necessary, and expect to commence active preparations in about a month.

The capital of this company comes from Kansas City, about forty thousand shares having been taken there.

Before Investing In Oil Stocks

Find a Company with small capitalization whose lands lie in a thoroughly proven oil field.

The Pacific Coast Oil and Development Co.

Office, 209 Hearst Building, San Francisco.

Is such a Company: Prospectus, Maps and full information supplied at our office on application.

Will receive orders for a limited amount of Treasury Stock at 50 cents a share,

But reserve the right to cancel this offer without notice.

Pacific Coast Oil & Development Co.

A Guaranteed Proposition.

THE FAMOSA OIL AND INVESTMENT CO.

Offers to Investors and Absolutely Safe Investment.

The Famosa Oil and Investment company offers to investors an absolutely safe investment. Stockholders get back dollar for dollar n the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to t o the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famosa is capitalized for $350,000 Par value, $1.00 and is underwritten and guaranteed by the Continental Building and Loan Association of San Francisco, with a capital of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

OFFICERS

Jno. P. Albro - President
A. J. Munton - Vice-President
T. A. Sheppard - Secretary
S. D. Miner - General Manager.

The organizers of the Famosa Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells, and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

Office, Room 393 Parrott Building, = San Francisco.

Branch Office, 1330 E Street, San Diego, Cal.

THE SCRIPPERS' CASE.

Transfer of United States Courts of the Southern California District to Fresno.

At the last session of Congress the Southern California Judicial district was divided into two divisions, and the sessions of the northern half are to be held at Fresno, where the county officers agreed to furnish suitable apartments for the use of the judges and court officials without cost. Accordingly the United States Circuit and District Courts left Los Angeles Saturday and opened their session in Fresno to last through the present month. The next Los Angeles session will be held Nov. 19, when Judge Ross has set some scrippei cases, those of Henry T. Cripps vs. the Aetna Petroleum company and Aetna Petroleum company vs. Henry T. Cripps.

These are cases involving the title to oil lands in Fresno county, and are of a similar character to the scripper cases so well known in Kern county. The cases were first called before Judge Wellborn in Los Angeles, and the first intention was to tranfer them to Fresno, but they were subsequently set for Los Angeles as above stated.

The Santa Barbara Field

Some oil operations on a large scale are contemplated in the neighborhood of Sisquoc, in Santa Barbara county. Mr. W. Underhill of New York, who owns 4000 acres in that section, bonded them some time ago to Messrs. Tillman and Bendel, wholesale grocers of San Francisco, for $100,000. The bond expires on January 1, next. This same firm paid $4,000 cash for a perpetual right to bore for oil on 200 acres of land situated not far from the Underhill property.

Five miles north of Sisquoc station, the Commercial Oil Company of Los Angeles controls about 2000 acres, being part of the Tinaquaic rancho. This company is drilling, and reports received recently are that it is down 350 feet in well No. 1. Southeast of Sisquoc, John Wigmore & Sons company, of Los Angeles, have 5000 acres of land, which it is believed is likely to prove as valuable oil land as any in that locality.

The Lincoln.

The Lincoln Oil company has not been more than twenty days in the field, and yet they have accomplished more than many who have been at work for a much longer time. The manager, J. H. Edson is now on the ground putting up a derrick and a fine No. 1 Standard rig on their property, which is a little distance from the strike in the Edgar company and in the same formation. They expect to start the drill in a few days. With such business men in control as the Lincoln has they cannot help meeting with success.

The Famosa Company.

The Famosa Oil and Investment Company, which has its office at 393 Parrott Building, is an object lesson to some of the slow-moving companies in the field. They have been in the field less than two months, and have already secured two rigs and are in the market for casing and other materials. They are now ready to begin work on their wells, for which they have made selections in their locations in the Temblor district, near the famous Climax flowing wells where they have every reason to expect a gusher. Indeed, on their property in the Sunset and Kern River fields they only await the dropping of the drill to be assured of oil.

The officers of the company are hard workers, and have displayed a care in management which shows them worthy of the confidence of the public. Secretary T. A. Sheppard states that their treasury stock is mostly being sold to San Diego parties, a large sale of 5000 shares in one block being made there last week. A number of San Diego capitalists are interested in the enterprise, and the company has a branch office at 1330 E. street in that city. They are selling their guaranteed stock at $1.00 a share, and stock ungaranteed is to be had at 50 cents, fully paid up and non-assessable, with only a limited number of shares left.

Shooting Wells in Kern.

The practice of shooting wells with dynamite, so well known in the East, is something of a novelty in California. It was thought that the difference in hardness of the formations would make it impracticable in the West, but it has recently been tried in the soft formations of the Kern River fields with apparent success. A well of the Monarch Oil company in that locality was recently shot, and it is reported that it is now a good producer and has apparently been saved. At the time of writing the bailer had not brought the sand and oil below the point of the explosion, and accordingly it cannot be said how badly broken up the strata may be. After being shot the oil ran down the canyon fora mile and a half.

Newton, Carmen & Somes.

The recent strike of a gusher on the Arizona Western was on section 8, 29-28, immediately adjoining the property owned by Newton, Carmen and Somes, 11 Montgomery street. The railroad runs directly through this property and the branch running up to section 20 also begins in this neighborhood, so that any parties holding oil properties will have the very best facilities in the way of transportation. Besides this the property is unquestionably oil land, for it lies between the Arizona, a producing property on the west, and some of the best wells in the district immediately on the east. Prospecting in this kind of ground is not a speculation but a legitimate investment sure to produce results in a very short time.

OIL LANDS

CHOICE LOCATIONS

East half being 320 acres Fresno Co., of section 14, township 17 south, range 14 east.
1280 acres, township 21, R 11 and 12 E, Monterey county near San Ardo.
298 acres 6 miles west of Coalinga, T 20, range 14.
1260 acres, T 21, R 13 and 14 east.
Will give land in several locations to have development work done.
Stock for sale in several companies.
Write for terms.
Address W. A, D. 990 Geary st., S. F

The well of the Yankee Doodle Oil company at Newhall reached the oil sand yesterday at a depth of 705 feet says the Herald. The company's propertyis directly north of the Pacific Coast. Oil company's land,

H. S. Field, President.
J. C. Poser, Vice President
R. R. Haskell, Treasurer
P. H. Reynolds, Secretary

The Esmeralda Oil and Development Co.

Capital stock 100,000 shares
Par value $1.00

The company is now drilling its first well and has only a limited number of shares of Treasury stock for sale at $1 per share.

A. KINGSBURY, - Gen'l Agent,
Room 565 Parrott Building
Telephone, Folsom 881

CALIFORNIA PETROLEUM MINERS' ASSOCIATION.

Incorporated May 28, 1900.

OFFICERS AND DIRECTORS.

L. Perry Crane.....president
A. O. Love.....1st vice-president
J. C. Kirkpatrick...2nd vice-pres.
E. D. Berri.....3d vice-president
H. S. Field.....treasurer
W. B. Simmons.....secretary
Prof. E. B. Heald, G. H. Jones, W. B. Winn, Cen. J. M. Gleaves and B. Marks.

The object of this Association is to promote the interests of the oil industry of California and to furnish a bureau of information. It is establishing Eastern agents consisting of reputable banker and brokers in all the large Eastern cities, who shall represent oil companies who are members of this Association in the sale of their stock.

It is admitting to membership only those companies whose affairs can pass the rigid examination which is compelled by the Association. This examination is made by the attorneys of the law department, Hon. G. W. Baker and Edward H. Stearns, and by the membership committee of the board of directors.

Applications for membership can be obtained together with the necessary blanks by applying either in person or by letter to the president or secretary of the Association at its office, room 33, 2nd floor, Mills building, San Francisco.

Eastern and Foreign correspondents.

The Cottonweed field, northeast from Bakersfield, is to be thoroughly tested with a Standard rig upon 24, 29-29. Previous prospecting has been done with a light rig only. It was supposed when first prospected that the Kern River field would contain only pumping propositions, but later developments have shown plenty of gas pressure. The latest reported flowing well is No. 5 of the Kern River Oil company, on 4, 29-28 which began flowing last Monday. It is 750 feet deep

UNDEVELOPED OIL LANDS

Should be Protected By Scrip Locations.

U.S. Scrip and warrants for surveyed and unsurveyed lands for sale and guaranteed by

F. A. HYDE,
415 Mongomery s
SAN FRANCISCO.

400,000 Shares of Oil Stock FOR SALE

Monarch, Lion, Occidental, Salinas Oil and Development Co., Etc

Address——

S. S. SIMON, Original Owner,
565-566 Parrott Building
Telephone, Folsom, 1881.
Oil Lands given for development purposes or for forming companies.

LET US FIGURE

Estimates Furnished on
Building Rigs, Derricks & Camp Houses
COMPLETE
In any Districts of Kern County.

R. W. ELSOM & CO., 1910 Chester Av
BAKERSFIELD, CAL.

A Zellerbach J. C. Zellerbach. A. Zellerbach

A. ZELLERBACH & SONS

THE PAPER HOUSE.

416, 418, 420, 422, 424, 426 Sansome St., San Francisco.

Paper and Paper Bags, Twine and Supplies of every description incidental to the trade.

We carry the Largest Stock. Our prices are Equitable.

Tel. Main, 1133.

Thomas Price & Son

Analytical and Consulting Chemists

526 Sacramento street, San Francisco

Secretaries Of Oil Companies

In Kern River Valley District are respectfully requested to send a copy of their prospectus to
J. S. EWEN,
10 California st., San Francisco
Room 1.

ALONG THE COAST.

Work Slow in San Luis—Midway Active.

For the past two years companies have been operating in San Luis Obispo county, searching for the oil which is undoubtedly there. The Union Oil company struck a fine oil of 30 gravity at Arroyo Grande, at a depth of 400 feet, but the wells have been closed and the work discontinued. Other companies drilling around Arroyo Grande are the San Luis Oil company, Clampit & Squires, the Directors' Oil company and the Western Union Oil company, all apparently with a show of getting something.

The Western Union is now down 1600 feet. The drill has gone through 500 feet of slate, interspersed with a continuous series of oil seepages, and yet the sand has not been struck.

Oil indications in this county are good, and in one locality seventy-five feet of oil sand is plainly marked out, but it seems hard to find where the oil is. The Midway District, as it is called, situated almost on the county line between San Luis Obispo and Kern counties, has attracted considerable attention lately on account of the strike of the Pacific Consolidated Oil company in that section. It is thought that the encouragement given to prospecting in this neighborhood will locate a practically new field.

One of the new companies in the Midway District which is preparing for active work is the Lucky Boy, on section 30, 32-24. Work in this locality has been delayed on account of the scarcity of water, but a pipe line about a mile in length has been laid and connected with Jewett & Blodgett's pipes. Within a few weeks seven companies will be dropping drills in this territory. Gould and Central No. 1 is down 600 feet. The Oriental has its No. 1 down 250 feet and is making rapid progress. The Oregon is building a derrick for its first well in section 10, 32-23, and has machinery on the way for its plant. Bay City No. 1 is doing well at nearly seven hundred feet.

Moran and Goldberg.

As a result of a two months' effort in Oakland, Cal., M. R. Goldberg has had sufficient success to warrant new business arrangements, and a partnership has been formed with T. M. Moran, manager of the Occidental Oil company of West Virginia, and new offices opened at 483 Ninth street, where their business will now be conducted, instead of at the Macdonough building as formerly.

INTER NOS

Oil and Development Company

Rooms 39 & 40 Crocker Building

Junction of Post and Market Incorporated under laws of Arizona

Positively Non-Assessable. Capital Stock, $400,000

Officers—Matthew C. Nunan, President; A. M. Cox, Vice-president; John F. Harris, treasurer; M. L. Culver, secretary; C. W Duffie, Manager; Hugo D. Newhouse, Attorney; Daniel Meyer Depository.

A limited amount of treasury stock will be sold at 25 cents per share. Lands of the company are in Sunset, McKittrick and Templor Districts, comprising 410 acres. Will commence boring at once on section 9, 32 south, range 23 east, M. D. B. & M., situated in the very center of oil-producing wells. This stock sale is a SNAP, as operations begin at once. Work will progress as rapidly as possible. Do not wait to be solicited for this stock as it is not a speculation, but a sound investment. For further information apply or address

Brust & Byrne, General Agents,

Rooms 39 and 40 Crocker Building - - San Francisco

Telephone, Main 296.

Stock of this company will advance to 50 cents per share on o bout the 15th of December, and you want a A 1 investment cal on or address **Messrs. BYRNE & BRUST.**

SALINAS OIL and DEVELOPMENT COMPANY.

Capital Stock, $1,000,000 **1,000,000 Shares, $1 each.**

Stock Non-Assessable. **Location of Property, Monterey County.**

Board of Directors: Wm. N. McCarthy, president and treasurer; J. J. Gunn, vice-president; J. B. Olsen, secretary; Jno. C. Quinn, superintendent; C. A. Burcham, director; J. E. Baker, N. A. Dorn, W. J. Ellis, S. S. Simon; Eugene F. Bert, attorney; Nevada Bank, depository.

A. S. Cooper, State Mineralogist, G. C. Quinn and S. S. Simon, the well-known oil expert, have just returned from making an examination of the company's property in Monterey. Mr. Cooper's report will appear here next week.

Office, 573-574 Parrott Building.

Watch this Space.

GRAND PACIFIC OIL STOCK

Best Investment On the Market

Absolutely Non = Assessable

Stockholders in the GPAND PACIFIC OIL COMPANY Possess three Extra Advantages.

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows:

Sunset District, Kern County. McKittrick District, Kern County.
Coalinga District, Fresno County. Kettleman District, Kings County. Over 300 Acres more land secured in Contra Costa County last week.

SECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful development is absolutely assured.

12,000 Shares Sold In One Day.

One Hundred Thousand Shares Sold in Less than Three Months

Second 100,000 shares now selling rapidly at $1.00 per share; will probably be sold by January 1st, when 3d 100,000 shares will be placed on the market at $2.50 per share. Now is the time to buy if you want a good profi

The Officers of the Company who are all well-known business and professional men are:

A. G. Deardorff.....President
J. M. Merrell.....Vice-President
John Choice.....Secretary
Wells-Fargo Bank.....Depository
F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
John Choice J G Sala F. A. Berlin
R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

P. S. No salaried officers in the Company. Only a competent seretarydrawspa.y Tel. South 742

In Monterey.

On Saturday last Mr. C. W. Duffie, J. C. Quinn and W. W. Simon, all of the American Oil and Development company, left for Bradley, Monterey county, accompanied by State Mineralogist Cooper, Mr. W. L. Miller, president of the Pacific Electric Motor company, and three other well known San Francisco capitalists, who are going over the land of the Great American Oil and Development company, with a view to purchasing and developing some of the land. Mr. Cooper is making this trip for the purpose of examining various bodies of land at or near Bradley, with a view to report his observations upon the same, and no doubt within the course of a week we shall have a full and extensive report from that gentleman. Mr. Duffie, Mr. Simmon and Mr. Quinn, besides expecting to go over the ground again, intend to make the primary object of the visit the selection of a site for the purpose of sinking the first well of the company, and intend to give a week's time to the sole purpose of making the most advantageous selection possible.

Buy Guaranteed Stock

$28,500.00 obtained for stocks guaranteed by the Pacific Coast Underwriting company within two weeks.

Investors are commencing to understand what a guaranteed stock is, and to appreciate the following facts:

They can always borrow from 40 to 50 per cent of the par value of a stock guaranteed by this company, in many instances the investor securing an assured rate of accumulative interest.

If you have an oil, mining, manufacturing, or any other legitimate proposition and wish to secure capital for same, call or address, Pacific Coast Underwriting company, Main Office, 504 Parrott Bldg., S. F., Cal. or Branch Office, 334 Wilcox Bldg., Los Angeles Cal.

The Point Richmond.

A strong new company, the Point Richmond, will be the next one to set up a standard rig and go to drilling for oil in Contra Costa county.

Of all the Central California counties, the indicated oil resources of which are now being actively exploited, none contain such rich indications or bear such promises as Contra Costa.

There is no unproved field in the state so inviting to the judicious investor in oil stocks who is willing to risk a little money on a good chance of multiplying it many times and a number of things support the statement that of all the companies operating in this county, the Point Richmond presents the most inviting proposition to the investor. Its property is part of the San Pablo rancho, lying next to that of the San Pablo company, now down 600 feet, and close to the Mount Diablo company, which has a rig ready for operation. The former company is composed of eminent Santa Fe officials and the president of the latter is George W. Ferril, president of the Oil Producers' Exchange. Rich seepages come from a well defined oil formation on the Point Richmond property and eminent experts approve the proposition. A rich supply of valuable paraffine oil is more than a possibility. This company is capitalized for only 100,000 shares making its shares relatively much more valuable than any other Contra Costa company.

Henry B. Russ, president, I. W. Taber, Congressman, S. D. Woods, J. C. Martin of the S. P. company and other well known men are behind the ligitimate enterprise the company represents.

Stock Sales.

The following were the stock sales in the new Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, November 14

CALIFORNIA STANDARD.		
2700 at	28	756 00
5000 at	29	1450 00
500 at	27	135 00
2500 at	30	750 00
CARIBOU.		
200 at	26	52 00
6200 at	25	1550 00
100 at	27	27 00
100 at	30	30 00
100 at	40	40 00
EL DORADO.		
200 at	2 25	450 00
100 at	2 30	230 00
FOUR OIL CO		
800 at	42	176 00
100 at	41	41 00
1300 at	40	520 00
HANFORD-KERN-FRESNO.		
600 at	28	162 00
1900 at	26	494 00
HOMESTAKE.		
10 at	12 25	122 50
HANFORD.		
15 at	95 00	1225 00
HOME OIL.		
3020 at	4 55	13721 00
40(B30)at	4 55	182 00
INDEPENDENCE.		
300 at	23	69 00
500 at	22	110 00
1500 at	21	315 00
KERN OIL.		
100 at	9 00	900 00
KERN RIVER.		
130 at	18 50	2405 00
10 at	19	190 00
MONTE CRISTO.		
1500 at	1 50	2250 00
50 at	1 52½	76 25
500(B30)at	1 55	775 00
MONARCH OF ARIZONA.		
100 at	38	38 00
500 at	40	200 00
McKITTRICK CONSOLIDATED.		
385 at	35	134 75
100 at	34	34 00
400 at	33	132
PETROLEUM CENTER.		
100 at	20	20 00
1600 at	15	240 00
500 at	16	80 00
1200 at	10	120 00
550 at	08	44 00
3250 at	09	302 50
REX.		
100 at	95	95 00
OIL CITY PETROLEUM.		
60 at	34 00	540 00
STERLING		
50 at	2 90	145 00
100 at	2 85	285 00
210 at	2 75	577 50
100 at	2 80	280 00
SUNSET.		
500 at	60	300 00
500 at	55	275 00
ST. LAWRENCE.		
100 at	2 75	275 00
10 at	2 60	26 00
SAN JOAQUIN		
400 at	9 25	3700 00
25-B 5-at	9 25	231 25
590 at	9 37½	5531 25
600 at	9 50	5700 00
145 at	9 12½	432 12½
TWENTY-EIGHT.		
150 at	2 25	337 50
100 at	2 30	230 00
200 at	2 50	500 00
WEST SHORE.		
300 at	3 50	1050 00
YUKON.		
200 at	58	116 00
33,200 Shares	Amount	$49,761 62½

A Correction.

Through a mistake in the press work of the PACIFIC OIL REPORTER last week the ad of the Occidental Oil Company of West Virginia was made to read 40 barrels per day. They have later reports which substantiate the fact that this is a 400 barrel well. It may be added that at a meeting of the Board of Directors held Wednesday the formation of the eighth new sub company was perfected.

An Opportunity Of a Lifetime...

Owner wants to meet one or more moneyed men, small amount required, to take interest in Kern county oil property. One well and Standard Rig, all first-class tools, on the ground. Located on railroad.

Box 13, this office.

For Sale Cheap

40 or 80 acres Kern county oil land, near railroad. Cash required.
Box 137, this office.

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Member Producers' Oil Exchange and San Francisco Stock Exchange Board.

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Oil Stocks and Securities.

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Dealer in Oil Stocks.
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Pacific Land and Oil Syndicate.

(Incorporated)

200,000 shares, par value $1.00.

This syndicate has the largest acreage of any oil company in the State: 14,500 acres in Kern River and McKittrick Districts, Kern County.

Lands surrounded by wells for sale or to lease for immediate development.

Agents wanted throughout the State.

On account of the increased value of these lands, and realizing the necessity of more rapid development, this syndicate has concluded to offer 10,000 shares of its stock for sale at $1.00 per share

Address all communications to PACIFIC LAND & OIL SYNDICATE, 308 Pine street, S. F.

Frank DuBois

Will expert Oil Land for Cash and Promoters stock. Thoroughly familiar with entire Oil Belt from San Diego to Humboldt. Under my control some very valuable tracts of Oil Land in Sunset McKittrick and Kern River, that will offer good inducements on, to reliable parties.
Sale, Lease or Promotion.

393 Parrott Building

Oriental Oil & Fuel Co.

Of Portland, Orgon.

Incorporated under the laws of Oregon.
Stock Non-Assessable, Non-Liability of Stockholders.

CAPITAL STOCK, $100,000 Divided into 100,000 shares, par value $1

We have acquired title to the Southwest Quarter of Section 8 Township 26 South, of Range 21 East, M. D. B. & M., in Kern County California.

OFFICERS AND DIRECTORS—H. C. Eckenberger, Commercial Agent of the Michigan Central Railroad, President; R. L. Dunham, Vice-President of the Merchants' National Bank, Vice-President; H. C. Breeden of H. C. Breeden Co., Furniture Dealers; J. Frank Watson, President Merchants' National Bank; Charles V. Cooper Contracting Freight Agent Union Pacific R. R.

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The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem bits

ers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different sized squares to suit different sized bits.

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PAFCIIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher.

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

Telephone, Bush, 176

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SIX MONTHS	1 50
THREE MONTHS	1 00
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MONEY should be sent by Postal Order, Draft or Registered Letter addressed to Pacific Oil Reporter, 318 Pine street, San Francisco, room 29. Communications must be accompanied by writer's name and address, not necessarily of publication, but as a guarantee of good faith.

Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, NOVEMBER 16, 1900

The Miners' Convention.

The annual convention of the California Miners' Association on next Monday and succeeding days will undoubtedly have great significance to the petroleum industry. It will mean the formulation of varied legislation, national and state, needed by the oil industry and strong, aggressive efforts to secure such legislation.

The California Petroleum Miners' Association has cordially accepted an invitation to represent this great branch of the mining industry of the state and has named a strong and representative delegation. Representing the interests of the whole mining industry in a broad way, the California Miners' Association will have many important matters before it of no direct concern to the oil men, but it is probable that the needs of the oil industry will cut an important figure in the convention and in the work done by the executive committee of the association during the coming year.

Every consideration makes it wise for the petroleum miners to co-operate with this old and powerful organization in securing the legislation and governmental favor they need. They will act independently in all practical matters involving, prices, supply, markets, storage and so on but in securing legislation their efforts will be far more effective if directed by the general organization of which they are themselves a part. They are themselves a part of the great mining industry and will patriotically affiliate with the general mining interests of the state and will reciprocally stand by the industry as a whole.

The leading oil topics will be the scrip controversy, which will be thoroughly threshed out, and the matter of a badly needed oil land location law. Departmental rulings are another field of concern. More or less state legislation will be suggested and discussed. Two important new matters have been suggested by leading oil men. One is the proposition of regulating water wells in oil fields so that waterflows from other strata shall not be allowed to reach and flood oil-yielding strata which are comparatively dry. An artesian or other water well may do great injury in this way. Pennsylvania laws require the casing of such wells and their plugging at the bottom when abandoned. It is also proposed that the law should estop one oil company from adopting the name of another and successful one and deceptically trading on its reputation. There are no laws giving or regulating mining rights in state lands such as tide lands and the beds of streams, and laws of this kind are needed.

Other matters of importance to the oil industry will be proposed. The oil miners are as much interested as any others in securing a cabinet department of miners, the passage of the mineral lands bill, the revision of the Federal mining laws, etc., which are leading concerns of the California Miners' Association with which the oil miners have now affiliated.

AN IMPORTANT MEETING.

The California Petroleum Miners' Association Transacts Important Business.

On Tuesday evening at the meeting of the directors of the California Petroleum Miners' Association the following business was transacted: The invitation of the California State Miners' Association to send delegates to their annual convention to be held on Monday next in Golden Gate Hall was accepted, and the following delegates were elected: President, L. P. Crane; secretary, W. B. Simmons; Colonel E. D. Berri, O. A. Lane, J. C. Kirkpatrick, E. P. Heald, G. H. Jones, W. B. Winn, General J. M. Gleaves and Dr. C. T. Deane, the above being the board of directors of the California Petroleum Miners' Association. To this number were added the attorneys of the association, Honorable G. M. Baker and Ed. H. Stearns, and also the commissioners to the Paris Exposition, who so ably represented the California oil industry at the oil congress, namely, Honorable M. H. DeYoung and Honorable W. H. Mills.

THE GRAND PACIFIC IN CONTRA COSTA COUNTY

The rig is complete and is now at work, running day and night shifts. The rig is one of the finest yet turned out by the California Hydraulic Engineers and Supply company. The company has a double string of tools, heavy and light. The indications for an early strike of oil are very good; 175 feet from the water tank, up the hill, in cleaning out a spring, a strong seepage of oil was struck which has been oozing out ever since. In the spring itself there is gas in profusion, which when confined lights and burns constantly. In the Sunset District the preliminary work for a rig is being done.

The Inter Nos.

Owing to the strike made by the Occidental Oil company on section 2, township 11 west, range 24 north, San Bernardino base and meridian, which has caused the stock of the above mentioned company to triple in value, the Inter Nos Oil and Development company, which is the conditional owner of the ten acres adjoining the land where the strike was made, and by reason of the further fact that the rig and casing is on the road to its property where the first boring is to take place, has called a meeting of the Board of directors of the Inter Nos Oil and Development company, to be held within a week for the purpose of determining to what price the stock of the company will be advanced. It is expected that the price of the stock will be doubled.

H. S. Field, who has so ably acted as treasurer of the association, tendered his resignation from the board of directors and from the treasuryship on the ground of lack of time to attend to the duties of the position, and Dr. C. T. Deane, who is prominently engaged in the oil business, was elected in his place, the office of treasurer being combined with that of secretary, now so ably filled by W. B. Simmons, of Wells, Fargo and company.

A committee was appointed consisting of President L. P. Crane, W. B. Winn, W. B. Simmons, Professor E. P. Heald, General J. M. Gleaves and Honorable G. M. Baker, to draw up certain resolutions to be submitted at the convention of the California Miners' Association, and which should pertain to national and state legislation affecting the oil industry.

The Occidental, the Grand Pacific and the Nonpareil companies were admitted to membership in the association, these companies having successfully passed the severe examination required from every company who applies for membership to the association. A number of applications for membership were received and were referred to the attorneys of the association and the committee on membership.

A communication was read from Mark E. Walzer, who signs himself as the manager of the Chicago Oil and Mining Exchange, seeking recognition and affiliation with the association. The matter was indefinitely postponed.

Many kind remarks were made by all the directors present in regard to the work accomplished by the PACIFIC OIL REPORTER on behalf of the oil industry of the state, and the PACIFIC OIL REPORTER received the hearty and formal endorsement of the association.

It was decided to make Thursday the regular meeting night of the board of directors, and the meeting adjourned to meet a week from next Thursday evening, November 22nd, after which the board of directors will meet at their rooms every Thursday evening to transact the business, which is constantly increasing.

B. Marks, having left for the East for an indefinite period on business and being unable to attend to the duties of his position, namely, one of the committee on membership, Dr. C. T. Deane was elected to fill his place on that committee, which now consists of Colonel E. D. Berri, W. B. Winn, and Dr. C. T. Deane.

Sunset Developments.

(Continued from page 3)

exertions.

Several companies on 11-23 and 11-24, are actively prospecting, including the Sunset King, Manhattan, Sunset District, Bonita, Sunset Czar, Sunset Petroleum and Refining company, Sunset Consolidated, Arcola, Occidental and Pittsburg and some of them have oil. The Navajo also made a good strike recently, and several wells, including the Barrett well and some of the Jewett and Blodgett wells, are yielding salt water.

Like the other sections of the San Joaquin Valley district, the extent of the Sunset Field remains as yet an unknown quantity. The prevailing trend is 70 degrees E. of S. and the oil seepages and asphalt deposits lie in a line corresponding to this. Development is being pushed forward with an activity second to no other field in the state, and it will not be long before the true extent and direction of the field will be fully understood.

J. M. CURTIS & SON

Analytical Chemist

Special attention given to the analysis of Oils, and to the tests of Gypsum, Kaolin Clay and other minerals held by the Land Department as sufficient to maintain placer mineral locations.

Quick and accurate returns at moderate prices.

23 California St., San Francisco

The White Oil of Placerita.

The most singular oil in the California field is that found in Placerita canyon, near Newhall, about four miles north of the Pacific Coast Oil company's property. The discovery was first made by Freeman and Nelson while prospecting for gold. The oil is white and limpid in appearance, closely resembling the ordinary refined oil used for illuminating purposes. A plausible theory about this oil is that it was refined by nature by percolation through some hard granite formation. A test well was drilled, which for several years has been producing some of this oil, though not enough to be of much value. A second well of Freeman and Nelson had to be abandoned on account of difficulties in drilling, and they are about to begin work on a third. A strike was made here about two months ago by the New Century Oil Company which tends to show the presence of a considerable body of this oil, and the well is still producing a good flow on the pump. At Newhall the company has erected two derricks and has made other arrangements for the quick transportation of its product. The company is making good progress with its second well and reports that in all probably oil will be found before the latter part of next week. It has reached a depth of 660 feet, and the drill has already passed through two oil-bearing strata.

The Placerita White Oil company will put down a well with a Star rig. The Pioneer White Oil company is still working in its first well and will soon begin another. Well No. 1 is in between 600 and 700 feet, and while there is oil in the hole, there is also considerable water. There are a number of other companies located here.

Samples of this oil were recently analyzed in this city by order of the Chamber of Commerce of Los Angeles, and it was found to contain the following ingredients:

Petroleum ether	3.66 per cent
Gasoline	14.83 per cent
Naptha	30.33 per cent
Benzine	17.67 per cent
Light kerosene	23.33 per cent
Heavy kerosene oil	10.10 per cent
Lubricating oil	None
Residuum	18 per cent
Total	100.00

Specific gravity at 60 deg Fah., .79018
Equivalent to 45.14 deg. Baume.

For refining purposes the oil would be divided into three groups. First, petroleum, ether and gasoline. Second, naptha and benzine. Third, the light and heavy kerosene.

The well producing this is still doing about forty barrels a day.

Another well is being drilled near No. 1 and while the formation so far encountered is not the same, the indications are that another white oil strike may be made. Should No. 2 prove to be a good well a pipe line will be extended from the wells to the tanks, from which shipments may be easily made.

Best in the State.

Mr. E. G. Butler and Thomas O. Cutter from New York are carefully inspecting the oil properties around Hollister, and say to the president of the California Petroleum Miners' Association that the territory will prove to be of the best in the state.

The Murphy Oil company has two good wells pumping on its property east of the Central Oil company's canyon. One new derrick is completed for drilling and another will be completed by the time this issue reaches its readers. The last rig will be built on the plan adopted in the East, the belt house and the engine house one continuous building.

When you want to swear go to

LEE D. CRAIG

Notary Public and Commissioner of Deeds

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bet. California and Pine, San Francisco.

Now Drilling.

THE BAY CITY OIL COMPANY,

Is now drilling on its lands in Midway District, Kern County.

Price of Stock $1.00 per share cash.

Circulars and maps sent on request.

Bay City Oil Company

321 Safe Deposit Building, San Francisco.
GEO. W. TURNER, President.
E. N. SEWELL, Secretary.

Point Richmond Oil Co.

Capital Stock $100,000.

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This company is capitalized with less shares than any other company in Contra Costa county.

Stock 50 cents per share.

No assessments. Small capital stock. Guaranteed advance in price.

Controlled by well-known men.

Our property is close to the city and can easily be seen. It is declared by experts to be as fine as any in the State.

Strong companies are drilling on each side of us. Send for prospectus.

Point Richmond Oil Co.

5th floor, Room 41, Mills Building, San Francisco. Telephone Main 1765.

Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance for those about to form an oil company.

This property is unquestionable oil land for it lies between the Arizona Western, a producing property on the West, and some of the best wells in this district immediately on the East. Prospecting in this ground is not a speculation but sure to produce results in very short time,

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 11 Montgomery street.

A Splendid Opportunity

FOR INVESTMENT

Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.

We also have for sale or lease any part of section 26, township 32 south, range 23 east, Sunset District, on reasonable terms.

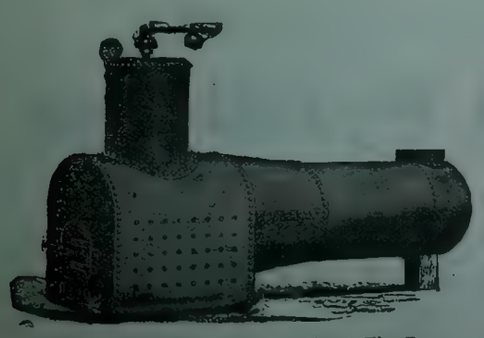
ROOM 625 LAUGHLIN BLDG.

LOS ANGELES, CAL.

Member
California Petroleum
Miners' Association

THE FLASHLIGHT Oil Company

1200 acres in Coalinga District Offers excellent opportunity for rapid advance in stocks bought now in at bed rock price. Shares now selling at 20 cents will surely be worth $1 00 inside of six months; agent wanted in each city in the State. Write for prospectus, fu l particulars, etc.



Contracted Waist Water Front Fire-Box Oil Well Boiler. Made in two sizes 20and 25 Horse-Power'

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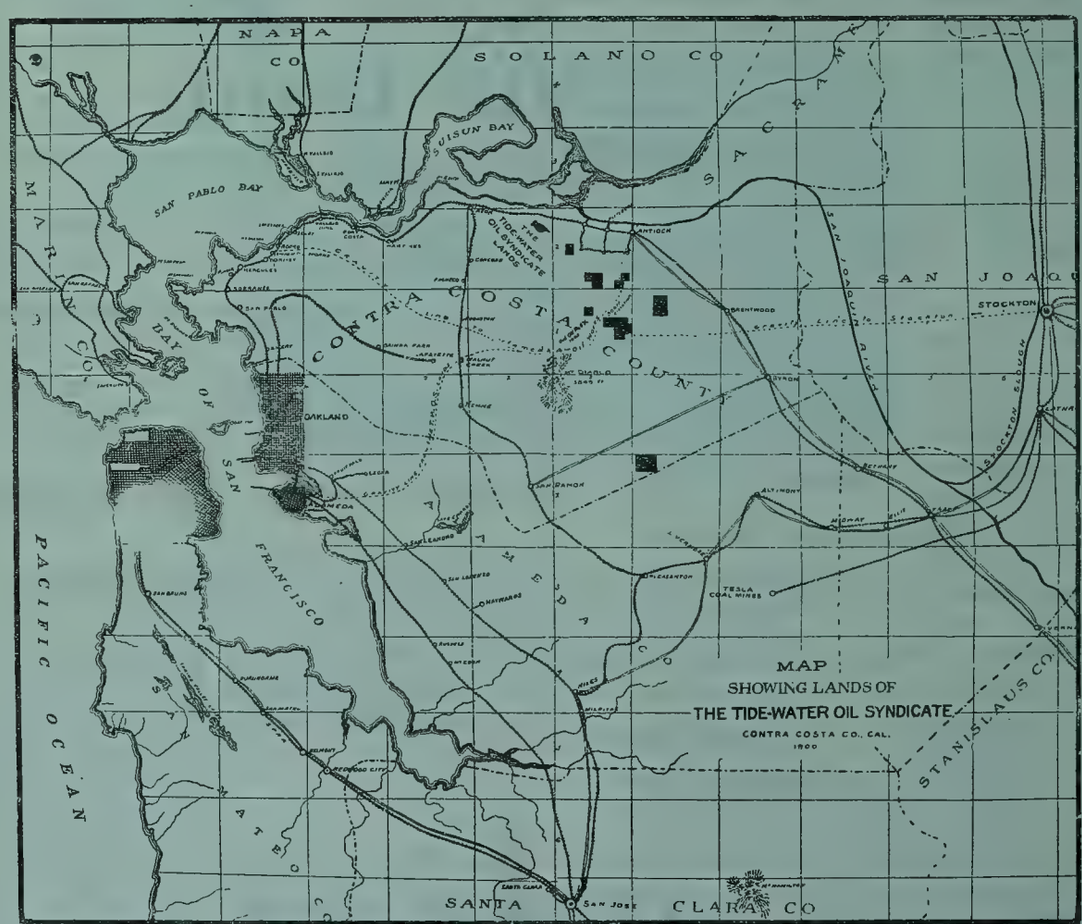
21 & 23 FREMONT ST., SAN FRANCISCO.

Engines, Boilers and Pumps for OIL WELLS

Well Boring and Drilling Tools. Prompt Delivery Guaranteed

Capital Stock: - 300,000 shares
Par Value, $5 per share.

Treasury stock, 200,000 shares
or 66 2-3 per cent



The Tide-Water Oil Syndicate

Write for Inside facts

Office 570-71 Parrott Building, San Francisco

PACIFIC COAST OIL NEWS.

Recent Developments in Oil in Various Parts of the State.

COLUSA.

Gorrill has moved his oil derrick near Arbuckle a few feet and begun operations on a new well. His efforts to recover the lost drill were ineffectual.

CONTRA COSTA.

A letter from Sheriff R. R. Veale from Martinez states that the Contra Costa Oil and Petroleum company had everything in readiness last week and that drilling commenced on Monday on land situated in Oil Canyon, about 8 miles from Antioch. The company has every reason to think they will strike oil. On digging into the side hill the company discovered the casing of an old well which was drilled in 1862 with primitive machinery by people who believed that oil would be struck in this vicinity. This well is now partially filled up but still furnishes a good supply of water. Those who drilled this well were forced to abandon it as they were unable to reach the lower strata on account of lack of suitable machinery and tools. There are now in oil canyon abundant indications of oil and oil seepages are plentiful on the banks of the creek which runs down the canyon.

FRESNO.

The completion of new properties in the Coalinga field is begining to employ the entire capacity of the two pipe lines of the Union Oil company.

On section 28, Coalinga Field, the Independence Oil company has finished work on a good producer, No. 4, and begun work on No. 5.

The Hanford Oil company has a rig up for its first well on section 28, Coalinga.

Active work has well begun on the NW quarter of section 32, Coalinga field, by the Corona Oil company.

Drilling began last week on well No. 5 of the Oil City Petroleum company.

KERN.

A depth of 800 feet has been reach e by the Commonwealth on 32, 26-28.

Peerless No. 7 is being perforated and rigs are building for 9 and 10.

The Kern River company is finishing Nos. 4 and 5, which are both big wells.

The Defiance Minerals has received a 2500-foot cable. Its well on 14, 28-28 is down 1100 feet.

A new company, the McKittrick Star, has been formed to drill between property of the Kern River and that of the Adirondack.

The station building on section 3 for the Kern River branch railroad is about finished. It is a two-story structure. Another is to be built on section 28.

The Standard Oil company has three 35,000-barrel tanks en route to McKittrick, and fifteen carloads of material is on the way from the east.

A derrick has been ordered by the Sunset Center Oil company for its property recently secured in section 10, 11-24.

The McKittrick Extension has been organized and will begin operating on the E½ of the NE¼ of 18, 30-24. The company also owns three quarters in section 8 of the same township.

The gas from well No. 3 on the Graves holdings, section 29, 28-28, caught fire recently and nearly burned down the rig. Electric lights will be placed on the property to prevent a repetition. The well was recently finished and is considered a good one.

The Shasta well on 14, 28-27 has been started and is now in the water sand.

Work has been begun by the Blinn company on 4, 29-28 and the first well is now down 230 feet.

The Golden Gate company has abandoned No. 2 and has moved to another location.

The derrick of the Western Minerals has been moved to within 600 feet of the Navajo well and the well is now started.

A new engine and 1500-foot cable is being put in by the Raven Oil company on Poso creek and drilling has been resumed.

Granite is reported as struck at 1000 feet on section 27 by the Peerless. This is the first metamorphic rock found so far, although hard shells are frequently cut by drillers.

The territory south of Kern River has been looked on as doubtful, but on section 10 Snook Bros. have gone through 45 feet of oil sand, which ought to give 20 barrels a day.

The banner producer in the Kern field is Sacramento No. 5, which according to the Californian has a record of 900 barrels daily, less 50 per cent for gas sand and foam, or 450 barrels daily, net.

An outfit has been secured for the Lucky Boy and they will begin drilling as soon as their machinery is in place.

The two wells of the Independence Oil company on 28, 28-28 produce from 45 to 60 barrels a day for the two.

The Kern River company will soon sink a 1500-foot well adjoining the Independence on 28, 28-28.

The Peerless people have purchased the necessary five-inch to build their pipe-line. The fall to the railroad, one and a half miles distant, is 285 feet.

The Californian says the number of rigs operating at Sunset will be doubled in a few weeks. The line of development is toward the north.

Oil is shipped from the Kern River fields to the State of Washington on a two dollar and a half freight basis. It is used to make gas.

The California Standard at McKittrick is shipping from two to three carloads a day for northern points.

The Commonsense company's well in the Temblor district on section 32, 29-21 has failed to find anything at a depth of 890 feet and the company are doubtful about continuing operations much further. W. E. DeGroot and Milton McWhorter are the principal stockholders.

The Sunset Consolidated Oil company, which owns property adjoining the recent strike of the Lion of Arizona in the Sunset district, will begin sinking at once on this property, in the hope of striking another gusher.

The Globe No. 4 has made a landing in a stratum of clay after going through a good amount of sand. It was feared that water would be struck below the clay and drilling was stopped.

The Liberty Oil company which was unsuccessful in its venture in the Fullerton district, has secured 25 acres of land in the Los Angeles field, on the corner of Western avenue and First street, and is building a rig preparatory to drilling in

Continued on page 16

KERN RIVER OIL CO.

AND DEVELOPMENT COMPANY

212 Sansome street, San Francisco, Cal.

Lease 130 acres in the Fullerton Oil district, Orange Co.,
Owns 320 acres in the Kern River oil district, Kern Co.,

250,000 shares of $1.00 par value. 100,000 shares in treasury.

Treasury stock for sale at $1 a share, **fully secured**.
Treasury stock for sale at 50 cents a share, not secured.

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Oil Land, Oil Stocks, Oil!

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Lands to lease on royalty or will take stock in progressive companies
Companies Incorporated under non-assessible laws.
Will assist parties desiring companies promoted or Incorporated.

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J E BREITWISER, Inventor RISDON IRON WORKS Builders
San Francisco, Cal.

NEW RAPID HYDRAULIC ROTARY and WALKING BEAM combination rigs.

NEW STYLE STANDARD RIGS with all iron sprocket belts and rope drums.

NEW MULTIPLE PUMPING PLANT, with separate stroke each well.

HYDRAULIC CLEANING AND FISHING OUTFITS.

FUEL OIL FOR SALE.

Webster Iron Works

DEPARTMENTS:

MACHINE SHOPS
BLACKSMITH SHOP
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PATTERN SHOP

MINING, MILLING and MACHINE CASTINGS

Rigs Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

Telephone 341 21st and I Streets. P O. Box 463
BAKERSFIELD, CAL.

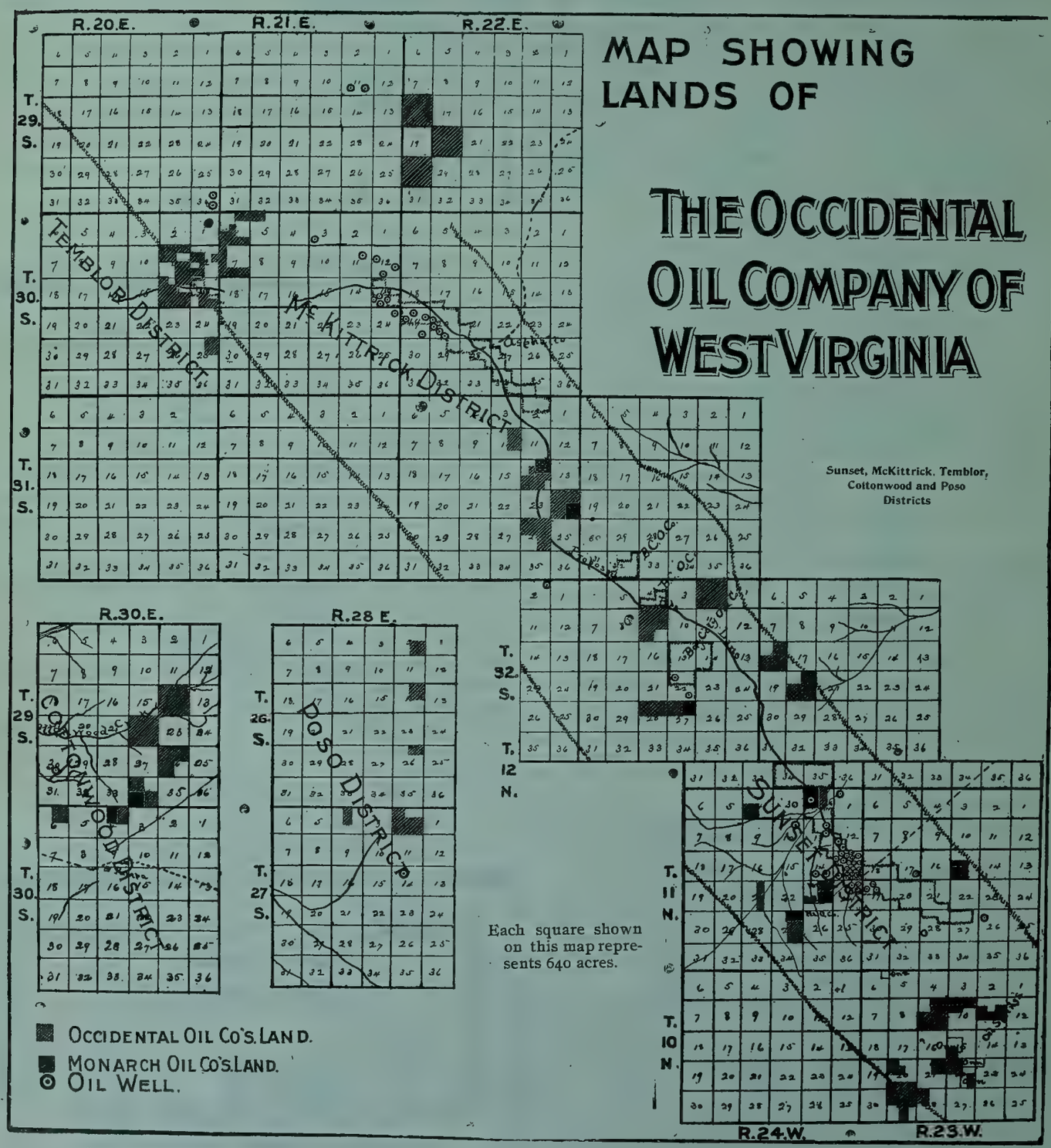
The Occidental owns over 11,000 acres of land in the five well known oil district Kern county, Cal. The land is so distributed that every new strike, no matter by what Company increases the value of the Occidental lands

Drilling was begun the last of September on section 2, township 11 N, range 24 W and the second oil sand was encountered November 5th, at which time the oil rose 200' feet in the casing.

The First Well of the Occidental Oil Company will undoubtedly be a 400 barrel well.

Only a **Limited Quantity** of Treasury stock remain for sale. This will be closed out in a few days at 75 cents per share.

Apply at the main office or at any of the sub-agencies of the company., for the purchase of stock or for any further information.



Wit e for Prospectus and Maps.

OCCIDENTAL OIL COMPANY 470 - 471 Parrott Building, San Francisco, Cal.

M. R. GOLDERG, 483 Ninth street, Oakland, Cal.
W. EASTMAN, Sonora, Cal. W. J. GRAHAM, No, 165 North First street, San Jose, Cal. MRS. G. H. YOST, Palo Alto.

The Monarch.

W. C. Carpenter, secretary of the Monarch Oil company of Arizona makes the following statement regarding their operations up to date: Their plant now consists of the following buildings for accommodation of their employes: The villa, Chinese sleeping, tool, bunk, cook and out-houses. The two wells were completed at the following depths: No. 1 at 505 feet; No. 2 at 683 feet.

Well No. 1 has thus far been the producer and has made a good record. The average flow for three days's production as submitted by the superintendent in weekly official report shows most satisfactory results.

On well No 2 the casing has been anchored on a good foundation and the well began to produce oil on Tuesday morning. Oil was 140 feet from the top when drilling was commenced and after working all forenoon there was still 400 feet of oil in the well; in other words, after bailing for six hours the oil was reduced on 140 feet, which predicates unusual abundance.

A unique system will be adopted henceforth in the company's offices in the Parrott building. A report filled out in blank and signed by their expert will be placed each week upon a file, hung on the wall, and will be subject to the examination of all callers at the office and mere curiosity will be no bar to this inspection.

IN SAN MATEO.

The Bella Vista Oil Syndicate is the name of a corporation which will soon be operating very extensively in San Mateo county near the coast and but a few miles from Half Moon Bay where some years ago a company with which Hugh Craig was prominently interested expended considerable money in a vain attempt to find oil. The directors of this company are gentlemen prominent both in Kansas City and San Francisco. A large amount of stock has already been sold in Kansas City as well as here and fine offices have been opened on the lower floor of the Mills Building. The Kansas City gentlemen connected with it are: Dr. A. E. Neumeister, J. Henry Tschudy, second vice-president; Chas. F. O'Brien, secretary and George F. Winter. All of these are prominent and wealthy men of Kansas City. The San Faancisco directors are: Henry H. Davis, the attorney, who is first vice-president of the company; Elmer H. Benjamin; Fred. Rothman; Thomas Gilbert, who is the assistant secretary and general manager and also is one of the promoters of the Tide Water Oil Syndicate; and Paul H. Blades, the editor and proprietor of the Daily Report. The company has 1200 acres, is capitalized at $1,500,000 with shares at $1.00 each.

The directors are now offering for sale 100,000 shares at 10c. per share. The company has every faith of finding a large body of oil on its land. Many seepages of oil are found on the property, samples of which can be seen at the office. Manager Gilbert states that this week the work of building the derrick has commenced and that no delay will be experienced in erecting one of the finest rigs yet erected in California. The company has plenty of money behind it, controls an immense body of oil land that experts pronounce first-class and will spare no expense to develop the property by building a number of first-class rigs and sending the drills to the oil sand as rapidly as possible.

The company has one of the finest offices in the Mills Building, on the ground floor, fitted up with every convenience for doing an extensive business which they believe their prospects warrant.

The Gray Gander.

The Gray Gander is still in the lead, as the big strike of the Edgar Oil company in the immediate neighborhood places this company beyond doubt of a failure to obtain oil on their properties. This strike, only two hundred yards away, means a great deal to the Gray Gander company, for the formation which their drillers are encountering as they go down in the well is the same as that found in the Edgar at the same depth. This certainly means that when the drill of Gray Gander gets as far down as the Edgar they will get oil on the same strata. Everyone must admit that this is in the front rank as an investment, but the directors propose to raise the stock shortly, as they promised.

Exploding Gas.

An experiment in using dynamite to break casing resulted disastrously to a drilling outfit in the Los Angeles local field recently. The casing was fast and it was determined to lower a shot into the hole, with the expectation that the casing would be broken by the explosion. After going down a few feet there was an explosion, supposed to be caused by gas ignited by the fuse, which threw the driller about twenty feet, giving him a severe shaking up, while the rig timbers were broken up and destroyed.

The Lion.

F. F. Weed, secretary, M. F. Cochrane, 1st vice-president and D. S. Stanley, 2nd vice-president, left Wednesday night to visit their Sunset well No. 1. Report from their superintendent says that tanking is being arranged, to save the product so it can be marketed. While there these gentlemen will select the site for their well No. 2 and make application for full and complete patent on the land, having already secured deeds from the locators.

Since the recent strike necessity for sale of further stock has ceased and it is practically withdrawn from the market.

For Sale or to Lease

Thousands of acres of No 1 OIL LAND in the

Kern River McKittrick and Sunset Districts

James R. T. Mershon

Oil Land and Stockbroker. Rooms 537, 538, 539 Parrott Building

San Francisco, Cal.

Companies promoted and assisted in the raising of their development funds.

PROMOTER OF THE FOLLOWING COMPANIES.

Promoter of the **Monarch Oil Oil Co.** of Arizona, **Prudential Company,** of Arizona, the **Lion Oil Co.**, of Arizona, the **J. S. Potts Oil Land and Development Co., Sunset Center Oil and Developing Company** of Arizona, **Vesuvius Oil Co.** of Arizona, and **Tiger Oil Co.** of Arizona all in the Sunset district, Kern county

ATLAS PATENT PIPE WRENCH

A High Class Drop Forged Steel Tool.

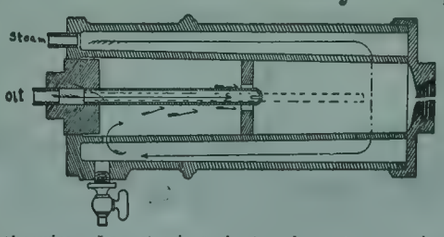
Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eight of an inch wire to 4½ inch pipe. For sale by Hardware, Plumbing and Oil Well Supply Dealers o

ATLAS PIPE WRENCH CO. 51 Food Bldg San Francisco

New York Office 121 Liberty Street Wors, New Haven, Conn

Pacific Coast Machinery Company

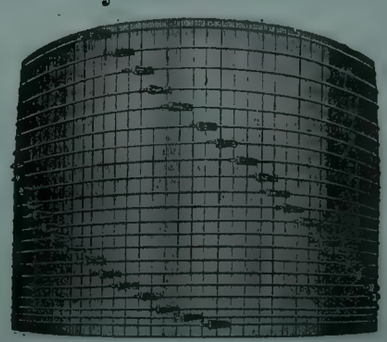


Dealers in Crude Petroleum for fuel and gas, also manufacturers of the Larkin Retort Oil Burner, unequalled for economy and ease of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economicalequipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil busiuess we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company If you are thinking of using Crude Petroleum for fuel give us a cail.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco

The Excelsior Adjustable Round Hoop Tanks

Are the **Cheapest Most Practica AND Satisfactory TANKS**



In The Market for Storing OIL

30,000 Gal. Size 20-2½x14 feet high.

For Prices address **The Excelsior Redwood Comp'y.**

Fourth and Channel Sts. San Francisco. Manuf.rs and dealers in Lumber and House Finish

C. A. HOOPER & CO., Agents

204 Front street, - - - - San Francisco, Cal

rig up and the Kiatana Oil company has started the drill in its No. 1.

In the Buckhorn field proper, the Buckhorn Oil and Transportation Company is drilling in No. 16 at a depth of 150 feet in a fourteen-inch hole. This company has some splendid producers, one of which will pump 150 barrels a day.

The Bradley Oil company has finished up one well and is drilling in No. 2 at 600 feet.

The Sunset Oil company has six wells to its credit and is now drilling on No. 7.

The Santa Paula Oil company has begun work on its holdings to the east of the new strike, and is making good progress.

The Santa Paula Gravity company is now drilling in its second well, just east of the Loma.

One of the largest rigs in the Santa Paula field is now being erected by the Aquila Oil company. As soon as it has been completed and the derrick put up the company will be in active operations.

The Santa Paula Home company has a rig and derrick completed, and a full force of men are now at work drilling. The company has no water plant, so is compelled to haul its water from a spring near by.

The Tapo Oil company has discontinued working on their well on the Gillibrand farm. They have encountered a great deal of water, but will probably recommence work in the near future.

The Simi Oil company has discontinued work on their well, which is situated a short distance northwest of the Simi hotel. This is due to the mixing of water with the oil.

New Incorporations.

The following articles of incorporation were filed in the office of the Secretary of State last week.

Towsley Canyon Oil company. Principal place of business, Pasadena. Directors H Newby, G W Collis, S W Pyle, G F Randall, H G Cogswell, J E Parker, Pasadena, and Philo Taylor, Los Angeles. Capital stock, $150,000; subscribed $70.

Lake View Oil company. Principal place of business, Bakersfield. Directors—A M Marion, P P Mill, Kern; G L Brown, J H Wilson, R H Stevens, C W Beatty, L B Palmer, Bakersfield. Capital stock, $200,000; all subscribed.

Cardiff Coal and Oil company. Principal place of business, Santa Cruz. Directors.—R L Cardiff, J M Throp, G A Deiter, W C Hoffman, F L Stevens, all of Santa Cruz. Capital stock, $250,000; subscribed, $126,200.

Kramer Consolidated Oil company. Principal place of business, Los Angeles. Directors—C A Neil, J A Hinman, C C Hagerty, J T Davy, B F Brown, J V Akey, W S Bohannon, D F Wilson, F A Chambers, E J Scott, H Arnold, Jr., all of Los Angeles. Capital stock, $150,000: subscribed. $110,000.

El Junio Puro compaay. To deal in mines, oil wells, etc. Principal place of business, Visalia. Directors—S Mitchell, J Cutler, Jr., W B Wallace, C G Wilcox, E F Parr, Visalia; M S Wagy and H W McCray, Bakersfield. Capital stock, $200,000; subscribed, $70.

The Paris Oil company. Principal place of business, Los Angeles. Directors—D O'Donnell, L J Olive, W S Porter, M L Graff and J G Mossin of Los Angeles. Capital stock, $100,000; fully subscribed.

Du Val Oil company. Principal place of business, San Francisco. Directors—W S Du Val, G A Moore, W A Jacobs, M Spencer and H B Montague of San Francisco. Capital stock, $200,000; subscribed, $5.

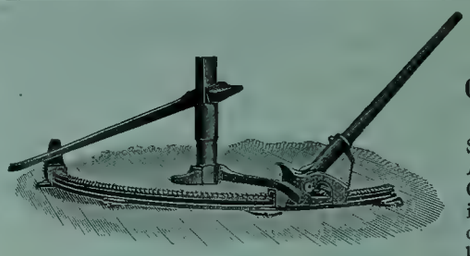
La Fortuna Oil company. Principal place of business, Bakersfield. Directors—J Redlick, A Weill, S N Reed, A T Lightner and J B Hunt of Bakersfield. Capital scock, $500,000; subscribed, $50.

Napoleon Oil company. Principal place of business, Bakersfield. E Dinkenspeil, L M Dinkenspeil and R B Swayne of Bakersfield and L F Sinshemer and A H McKay of San Luis Obispo. Capital stock, $500,000; subscribed, $50.

Oil on the Nacimiento.

A company to be known as the Nacimiento Oil company, with capitalized stock at $1,250,000, have leased eight hundred acres of land on the Nacimiento ranch near Jolon, Monterey county. The lease is given for twenty years and at least two wells must be sunk each year according to contract. Operations will commence as soon as the machinery can be brought from Los Angeles and placed in position.

The North Whittier well is now down nearly 1000 feet. The drill has passe through seven feet of oil sand and the company believes that if the hole can only be put down deeper that the well will be a good producer.



W. FORGIE

Manufacturer

OIL & GAS WELL - - - - RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices, etc., inquire of

D. HOOKER Los Angeles, Cal., W. FORGIE, Washington, Pa

LINCOLN OIL COMPANY

J. H. EDSON, Secretary and Manager

Roms 21 and 22 1003 1-2 Broadway Street, - - Oakland Cal

Expert's Report.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 7, township 28 south, range 28 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours

M. M. OGDEN

Field Expert Producers' Oil Exchange, San Francisco, Cal.

Drilling Commenced at Once.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stok, 4500 shares being purchased by one party last week. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. The next will sell for twice that amount.

the territory. A 11¾-inch hole will be started, in all probability in order to drill a deep well if necessary, or increase the depth after the first sand is encountered. The Liberty company, it is believed by oil experts, would undoubtedly have struck oil had the well been bored 2,800 feet deep, but with the small casing used it was impossible to go deeper than 1500 feet.

The Loma Vista is held up with a fishing job. The B. B. Oil company has two wells producing and two in the oil sand. The former are pumped by the Loma Vista. This company is to sink several others at once.

The Weid Oil company, operating on property adjoining the B. B. company on the south, has a well on the pump, and expects to have another before the end of the week.

The Liberty Oil company, a new company in Los Angeles, has begun drilling on its lease on the corner of Western avenue and Temple street.

In the neighborhood of Rockwood street, C. V. Hall has started deepening his third well in that part of the field, and is making arrangements to deepen his other four in case the experiment in No. 3 proves successful.

The Uncle Sam Oil company now has six producing wells in the field, and may put down several others.

A large storage tank is being erected on Lake Shore avenue by Chief Elton.

On the Pellisier tract of Los Angeles the City Oil company is making good headway in its second well, and will soon have it on the pump.

ORANGE.

The International Oil company will move its rig from the abandoned well and begin another well at once.

Crown of the Valley company is down over 1000 feet with its well and has struck some oil and a lot of gas.

The second well of the Fullerton Oil company is being cleaned and will be put on the pump the first of the week.

The Soquel Canyon company is moving its rig to Los Angeles. The heaviest parts of the rig were sold to the Chino Oil company.

The Olinda company has moved the rig from No. 2, this well being completed, and will commence well 3 Monday. No. 2 is good for 25 barrels daily.

The Edison Company is pulling the casing out of its first well, the casing caving at a depth of 800 feet. It is reported that the company will not start another well at the present time.

The Columbia Oil company's well 8 is down 725 feet, showing some oil and gas. No. 9 is down 600 feet and is now good for 15 barrels daily. No. 10 is starting to drill. Well 1 is down 1415 feet and is a good producer.

The Carbon Canyon Oil company in the Fullerton district has just struck oil and a heavy flow of gas at a depth of 250 feet, in its well No. 1, and there is every indication of its being a good producer. This has created quite a flurry of excitement in the eastern Fullerton field.

The Chino Land and Water company has been obliged to abandon its well in the Fullerton extension, at a depth of 1100 feet, on account of a big flow of water. The company will make another try, however, and work on the second well will begin at once.

The president, secretary and field foreman of the Union company inspected the wells in the Fullerton field Friday and looked over their undeveloped territory. The company will drill a number of new wells in the Fullerton field at once. The company's string of wells here is nearly a mile long, every well drilled being a producer.

The Puente Crude failed to meet its dues bills for work the first of the month with cash, but some of the employees were paid off this week with notes which they were able to sell at a discount of 10 per cent. The company is now offering for sale 80 acres of its land to raise funds for developing purposes. A large number of Los Angeles, Pomona, Riverside and Fullerton people are heavy stockholders in this company.

SAN BENITO.

An oil well has been located on the ranch of J. D. Watson, for San Francisco parties.

The Esmeralda Oil company is engaged in the development of their territory in the Panoche and Vallecitos fields.

The Union Oil company was offered $50 an acre for a small piece of land in the Vallecitos, but the offer was refused.

Drilling is progressing rapidly on the well of the San Benito Oil company, and indications continue to be very favorable.

SANTA BARBARA.

Better prices prevail at Summerland.

Well No. 27 of the Sea Cliff is down 200 feet with good indications.

The Duquesne company is interested on the gravels at 241 feet. They are considering whether they shall continue to drill with a view of hitting an oil-bearing stratum at a greater depth than hitherto found at Summerland, where the wells are mostly shallow.

There is but little of the available waterfront at Summerland not now utilized for the remarkable wharves from which drilling is done, which comprise a total of 9000 feet frontage. Oil is found more abundantly and of higher gravity as the wharves go out to sea.

The Sunset company at Summerland is down 300 feet on well No. 22. A good flow is expected in the next fifty feet, as the strata lie close together. This company is putting up the big 600 barrel tank in the field.

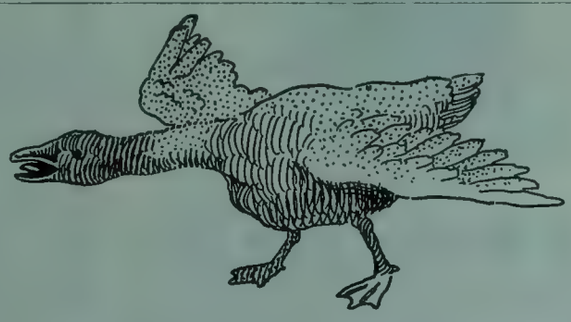
Thirty barrels a day is the record made by one of the Oxnard company's old wells at Summerland after being deepened to the second sand, which was found at 332 feet.

Several prospectors working near Carpenteria, in Santa Barbara county, are getting discouraged. Among these are the Hall company, with a depth of 1000 feet, and the Channel City Oil company.

VENTURA.

A great deal of activity is promised in Hopper Canyon, Ventura county, within the next month.

The Hopper Canyon oil company has



GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwrttieu the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable.

2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily instigated,

E. D. COOLEY, President,
W. B. BURROWS, Secretary.

Oil Comp'ny

Incorporated under the laws of South Dakota June 21, 1900.

Capital stock 200,000 shares; par value $1 each, Treasury stock 100,000 shares; sold with guarantee for development purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President.....J. L. DOBLE
Secretary.....G. F. ABBOTT

Write or call at office 330 Pine street rooms 44 and 45, for special inducements for short time

OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building, San Francisco. Telephone, South 795. Shares 25 cents. Raised December 1st to 50 cents. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATION CO.
Capital.....$200,000
20,000 shares at $10
Location. Ventura county. 150 acres two miles south of Buckhorn.
Officers– Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president; W I Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary; H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital..... $200,000
Locaion, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer; P. B. Nagle attorney.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital $500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital.....1,000,000 shares
Par value, $1.00
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization.....$2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker
Office: 149 Crocker Bldg, San Francisco.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, J. C. B. Hebbard, Chas L. Heggerty, Chas. A. Lee, John C. McElroy.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location, N ½ of NE ¼, S 28 T 28, R 28 E, Kern River District; NE ¼ S 12, T 27, R 26 E, Poso District, Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par Installment plan, ten per cent, payable monthly.

EQUITABLE OIL CO.
Capital..... .....$500,000
100,000 shares at $5.
Locat,on: Kern county: Southwest ¼ of section 1, township 25 south, range 17 east M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22 1900, under the laws of South Dakota. Capital, $3,000,000 Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer, Germania Loan & Trust Company. Directors—John P Albro, A J Munton, T A Shepard, S D Miner, Capt F F Whitney, Frank Du Bois. Office—393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F. Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital..... $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34, township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson.

GRAND PACIFIC OIL CO.
Capital..... $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona

J S POTTS OIL LAND AND DEV. COMPANY
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office— Marquette bldg; J S Purdy, agt.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice-president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spaeckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO.
Capital.....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, west, S B B and M, Sunset district.
Officers and Directors: W C Tighe, president; Joe Bancroft, vice-president; J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building, Madera, Cal.

Great American

Oil & Development Co.

At the first meeting of the board of directors of the Great American Oil and Development Co., on Saturday, Sept. 22, it was decided in order to begin development work at once on its property in Monterey county, to offer to the public 50,000 shares of the treasury stock of the company at 15 cents a share

Only 15,000 Shares of this block remain unsold.

As soon as this block is disposed of the price will be advanced to 30c. The company owns nearly 4000 acres of land right in the heart of the Monterey Oil Belt, and in buying Great American stock you buy an undivided interest in this entire body of land. Incorporated under the laws of Arizona. Stock absolutely non-assessable.

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HERCULES OIL CO.
Capital $100,000,— 100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District
Directors –Rudolph Mohr, Jno. F. Seymour, Fred P. Plagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTERNOS OIL & DEVELOPMENT CO
Capital.....$400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office: Room 435 Parrott Building, S. F.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3, township 19, south, range 15 east, M D B and M
Offices, 552 Parrott building, San Francisco, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10. 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F Plymire. Directors —W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B Plymire, M. D. Office, room 44, 6 Eddy street, St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300 000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A. P Shepard, directors. Office—606 Hearst (Examiner) building, San Francisco.

ORIENTAL OIL COMPANY.
Capital.....$100,000
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county, Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager
Office. Room 506 Parrott Bldg., San Francisco

POINT RICHMOND OIL COMPANY.
Incorporated August 7. 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

PETROLEUM CENTER OIL CO
Capital.....$500,000
500.000 shares at $1.00
Officers—William Johnson, president; H Van Bergen, vice-president and treasurer, G S Clark, secretary. William Johnson, H Van Bergen, S Richmond, M J McGarry, J W Schaffer.
Office—Room 29, Third floor Mills, building.
Location: Kern county. 640 acres in section 8, township 28 south, range 28 east, 20 acres in the SE¼ of section 28, same township and range, and 80 acres in the W½ of the N¼ of section 13, township 29 south, range 28 east, and 40 acres in the SE¼ of the SE¼ of section 24, township 28 south, range 27 east. Total, 780 acres.
Los Angeles office, 30 Bryson block. M J McGarry Agent

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000, Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E, first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices, 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital..... $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, town ship 15 south, range 10, east.
Officers and Directors—H W Conkling, president; Allen Brant, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Laugford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pauder, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SALINAS OIL COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares, 1,000,000. Land, 2000 acres in Monterey county. Officers and Directors—President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, W N McCarthy; secretary, J B Olsen, San Francisco; attorney, Hon Eugene F Bert, San Francisco. Office—Room 584 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each, 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Treasury stock at 18 cents.
Officers and Directors—R S Aston, president; J W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block Bakersfield. Cal.

THREE STATES OIL CO. Limited.
Capital.....$1,000,000
1,000,000 shares at $1.
Location: 210 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt, Hon E P Colgan, I N Pattison, M F Levy.
Office—612 Examiner Building.

U. S. OIL AND MINING CO.
Capital.....$300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-21 Sunset district, near Blodgett & Jewett wells, 110 acres on fractiou 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

THE RAVEN OIL COMPANY

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Location 162 50-100 acres in south half of south half of south half, section 6, 35-30, and lots 1, 2, 3 and 4 containing 204 acres, same section Kern River district. Officers—Hon. John R. Aitken, president, C. H. Congdon, vice-president, C. H. Quinby, secretary, D. G. Overall, superintendent, Paul V. Finch, Bank of Bakersfield, treasurer. San Francisco office—Hon. John R. Aitken, Clunie building, 503 California street.

YOSEMITE OIL COMPANY

Capital..... $100,000

100,000 shares at $1.00

5031 acres located in Kern River, McKittrick and Colinga Oil District.

Officers: A. B. Capp, President, H. G. Stabblake, president, W. W. Cannon, secretary, W. E. Beck, Treasurer, Crocker-Woolworth Bank, depository. Directors, Jas. G. Maguire, J. F. Sheehan, Judson Davis, O. E. Hotchkiss.

Office—Room 23 Crocker Bldg., San Francisco.

YOUKEN CRUDE OIL CO.

Capital..... $250,000

100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J. Crocker, president, Wendell Easton, vice-president, W. S. Armstrong, secretary, J. L. Rathbone, F. W. Runyon, C. S. Benedict, Geo. Easton, Jno. F. Merrill, F. W. Sumner and Geo. W. Henderson.

Office 638 Market street, San Francisco.

WILD GOOSE OIL CO.

Capital..... $500,000

100,000 shares at $5

Location 820 acres in Humboldt county.

Officers: Claus Kroeger, president, A. F. Coffin, vice-president, H. C. Tilden, E. L. Dow, N. H. Eaton, L. F. Swain, secretary.

Office: 327 Pine street, San Francisco, Cal. Telephone—Main 671.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA

Capital stock 600,000 shares.... par value, $1.00.

Officers: Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., Depository.

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OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.

Capital stock, 600,000 shares....par value, $1.00

Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.

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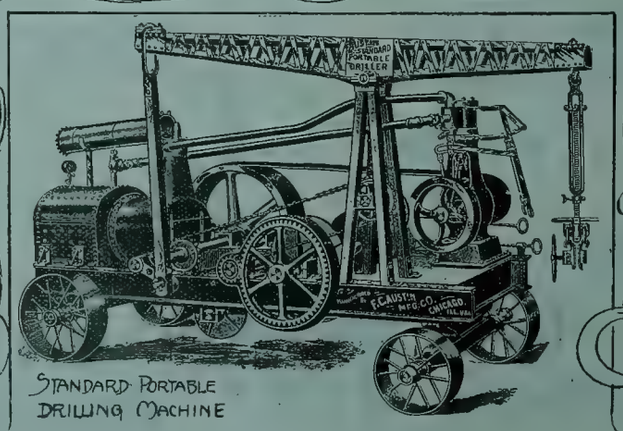

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VOLUME 2 NUMBER 3

CALIFORNIA STATE

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, NOV. 23, 1900

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Our Drillers Are Rapidly Nearing the Oil Sand

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MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R.F. MORTON C.E.

Scale of Chains — Scale of Miles

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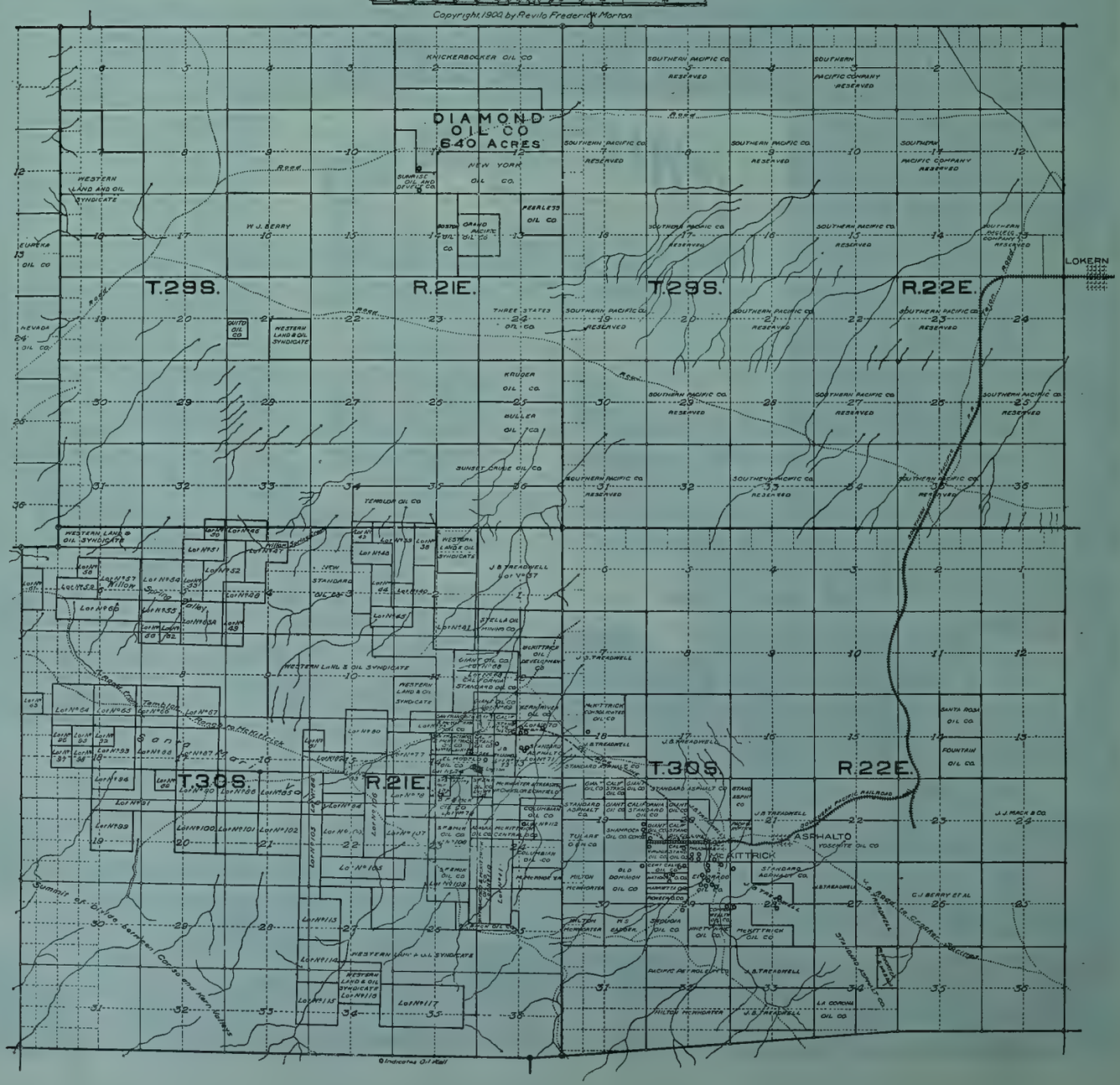


PACIFIC OIL REPORTER

VOL. 2, NO 3. SAN FRANCISCO, CAL., FRIDAY, NOVEMBER 23 1900. PRICE, TEN CENTS.

SUCCESS FOR OIL MINERS.

THE CALIFORNIA MINERS' ASSOCIATION CORDIALLY WELCOMES THE FELLOWSHIP AND THE CO-OPERATION OF THE PETROLEUM INDUSTRY.

WHEREAS, The California Miners' Association was organized, primarily, for the purpose of devising a method whereby the great industry of hydraulic mining could be resumed without injury to the agricultural and other interests; and, whereas, since that time the mining interest has broadened by the development of the copper and petroleum mining industries to such an extent that it covers practically the whole State; and, whereas, we recognize in the California Petroleum Miner's Association an ally of great importance in the development of the mineral industries of the State; therefore, be it

Resolved, That we welcome into the fullest fellowship our fellow miners who are doing so much to develop the petroleum mining tndustry of the State, and pledge io them our heartiest co-operation and support in every measure in which we may be of service to them.

The above given preamble and resolution, being the opening two paragraphs of the report of the committee on resolutions of the ninth annual state convention of the California Miners' Association held in San Francisco on the 19-21st inst., express broadly the essence of a great work accomplished for the oil industry of the state by the California Petroleum Miners' Association.

The California Miners' Association had included the said organization of oil men in its invitations to participation in the convention The California Petroleum Miners' Association promptly and cordially accepted the invitation, appointed a strong delegation and adopted a series of resolutions expressing first, the special legislative wants of the petroleum industry and, second, the readiness of the oil men to cooperate with all other branches of the mining industry in all measures of common general benefit. The oil men went into the big convention with this spirit of full fellowship and reciprocal helpfulness and the response met with was unexpectedly cordial and complete.

The net result is the amalgamation of the petroleum and other mining interests of the state in the securing of needed legislation. The cause of the oil miner now has completely behind it the powerful California Miners' Association directly representing 10,000 registered members and representing the consolidated influence and prestige of the whole California mining industry. This is a tremendous gain for the oil industry.

The California Miner's Association has also gained largely by the addition of the oil men to its ranks and by this large re-inforcement to its scope and influence, for the oil men will undoubtedly maintain the letter and spirit of the declarations of fellowship and industrial patriotism made at the convention and will loyally stand with the California Miner's Association in all measures calculated to aid the mining industry as a whole or any branch of it.

The action of the oil mem was an inspiration to the convention from the start. In his welcoming address on the opening of the proceedings, Mayor James D. Phelan spoke at length on the greatness and promise of the oil industry, expressing recognition of its tremendous significance to the manufacturing future and general prosperity of California.

In his annual address president W. C. Ralston briefly gave cordial welcome to the oil men and incidentally enforced the truth that they needed the gold miners too. "You oil men can't take a barrel of oil in your pocket and go out and see the town. You need twenty-dollar pieces," he remarked.

Following a brief address by L. P. Crane, president of the California Petroleum Miner's Association, at an appropriate time in the proceedings, the resolutions which had been adopted by the executive committee of that association and which appear in full on the following page of this paper, were read, amid frequent applause, and referred to the committee on resolutions. This committee's report on Wednesday, which summed up the demands and policies declared by the convention, contained fifteen resolutions and of these seven were devoted especially to the oil industry, five of the resolutions reported by the California Petroleum Miner's Association being adopted and reported by the committee practically verbatim

The report was prefaced by the preamble and resolution heretofore given. To the resolution of the C. P. M. A. declaring the importance of the scrip problem there was added the following

"We distinctly favor the proposition that where a contest takes place between a scripper and a miner in any department of the United States Land Office the burden of proof shall be placed upon the scripper and not on the miner."

For the last sentence in the resolution in favor of the proposed oil location law there was substituted the following strong endorsement: "And that we heartily recommend the passage of the proposed act of Congress recommended by the executive committee of the California Petroleum Miners' Association, and by the Petroleum Miners' Association, being Senate bill 3226, now pending before Congress, and earnestly urge our senators and representatives in Congress to use all honorable means to secure the passage thereof.

The resolution relating to the protection of oil fields from water wells was adopted as submitted, as were the ones demanding a cabinet department of mines and thanking the Commissioner of the General Land Office for his action in withdrawing certain lands from agricultural entry. The resolution of the C. P. M. A. requesting co-operaiion in securing State legislation was adopted by the committee with the substituted preface "That we heartiiy favor State legislation relative to the needs of the petroleum industry."

The committee on resolutions added the following:

"Resolved, That we deem it the duty of this convention to place itself on record in favor of liberal encouragement and protection to all legitimate mining interests and pledge ourselves to assist in every reasonable manner any and all legislation, state or national, which is calculated to remedy existing wrongs. We recognize the gross injustice of permitting that class of land pirates, which by claiming land to be suited for agricultural purposes that is manifestly and essentially unfit for any uses except mining, to attempt to wrest from purchasers of state lands their recognized equitable rights, and through perjury and distorted interpretation of the land laws of the State, to place serious obstacles in the way of large investments of money and important oil developments."

The convention had a number of important matters before it, a detailed report of which is not attempted here. A lengthy report of the committee on mineral lands was read by Chairman John M. Wright, dealing at length with the mineral lands bill, in which the oil miners are interested and with the scrip problem. The latter portion of the report is given elsewhere. A resolution strongly supported this long-standing issue. The important oil features of the convention are reported in detail on following pages.

Oil Seepage, Sunset District. Photo. by Aston

New Oil Cars.

The new 13,000-gallon oil cars which the Southern Pacific are to build are to be of the following dimensions: Extreme length of tank, thirty-eight feet; length of floor frame, forty feet; length over drawheads, forty-three feet and three and one-half inches; length over pulling faces of couplers, forty-two feet and nine and one-quarter inches; height from rail to top of dome cover eleven feet and nine and one-quarter inches; extreme height from rail to top of hand rail, thirteen feet and three inches.

OIL FEATURES OF THE CONVENTION.

What the California Miners's Association Heard About the Condition and Needs of the P troleum Industry.

The legislative needs of the oil industry and the attitude of the oil miners toward the great mining industry to which they belong was expressed in the following resolutions reported to the convention from the California Petroleum Miners' Association and read by W. B. Winn, secretary of the delegation:

WHEREAS, The ninth annual convention of the California Miners' Association, representing the whole mining industry of California, will soon convene to consider matters of general importance to the industry, and,

WHEREAS, The said California Miners' Association has extended to the California Petroleum Miners' Association a cordial invitation to accept fellowship in this convention by representing therein the oil industry of this state, which invitation has been as cordially accepted, therefore be it.

RESOLVED, That the California Petroleum Miners' Association hereby expresses its deep gratification at this initial effort at co-operation between the petroleum industry and the other branches of the great mining industry of the state, recognizing the many common needs and interests which exist and the value of unity of action where the general interests of the industry are concerned.

RESOLVED, That in the problem of remedying the criminal abuse of the land and mining laws of the nation by the wholesale attempts to secure as agricultural land by the use of so-called scrip and otherwise, great tracts of the public domain that are unquestionably mineral in character and which are recognized as mineral by the people who seek to secure them as such by subterfuge, legal technicalities and outright perjury, the petroleum industry faces the matter of most serious present concern to it in its relation to the Federal laws and their administration. We believe that this problem is peculiarly one in which the whole mining industry of the state is interested together with the petroleum miners, and we confidently ask the reciprocal aid of the California Miners' Association in our endeavors to protect the heritage of the miner in the public domain in accordance with the letter and spirit of the beneficent laws which were intended by Congress to sacredly preserve the vast mineral resources of the public domain to the mining industry that their development might be encouraged and fostered.

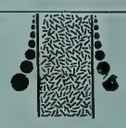
RESOLVED, That one of the most important and feasible remedies for the said abuses of the rights of the oil miner on the public domain, would be found in the law unsuccessfully proposed to Congress during its last session, by which the location of petroleum placer claims was sought to be so regulated as to secure to the miner an opportunity to make a technical "discovery" of mineral substances as a precedent to location, in accordance with law. A measure of this nature is demanded by the peculiar conditions of the petroleum industry, would be but a measure of simple justice necessary to give effect to the spirit and intent of the mining law, would be but a wise adaptation to the oil industry of the tunnel site law, and would work no injury or inconvenience to any legitimate interest. We urge this measure on the renewed attention of the California Miners' Association as one worthy of its careful consideration and energetic support, remembering with deep appreciation the vigorous and generous action of the executive committee of the said Association in its behalf in the past.

RESOLVED, That in the opinion of this body the geological conditions attending oil mining and the multiplication of wells which penetrate water-yielding strata and release their stores of water, make wise and timely an investigation of the alleged injuries done to oil wells and oil fields by the flooding of porous oil-yielding strata from such induced flows of water. We note the fact that the laws of certain Eastern states recognize the injury to the oil interests caused in this way and require the casing of water-yielding wells in oil regions and the effective plugging of abandoned wells.

RESOLVED, That the committee on legislation of the California Miners' Association be requested to include in the matters of proposed state legislation to which it will give early attention, the needs of the petroleum industry, and it is suggested that one important matter is that of the regulation of mining rights on lands controlled by the state, including tide lands, the bed of the ocean to the three-mile-limit and the beds of streams, all mining operations in such ground being now conducted by the simple suffrance of the state and the only mining rights obtainable being those based on possession.

REVOLVED, That in the judgment of this Association the mining industry of this country, with its output of raw material exceeding a billion dollars in annual value, its tremendous significance to the industrial prosperity of the nation and its still more splendid

THE SOVEREIGN



Will Receive Orders for a Limited Amount of its Treasury stock at

50 Cts. A share

The Sovereign is under the same management as the Sterling Oil and Development Company. It property is proven oil land in the Kern River Oil district, and drilling will commence at once. Four derricks have been erected and two Standard drilling rigs are now being put into position for the drilling of wells, the first of which will be within 100 feet of the producing wells of the Peerless Oil Company, and south of those of the Sterling Oil and Development Company.

Orders for this treasury stock will be filled in rotation of the receipt of orders, the company reserving the right to cancel this offer without notice. Maps of Kern River Oil District and Prospectus of the Sovereign Oil Company are free for the asking.

SOVEREIGN OIL COMPANY,

35-36 Crocker Building, San Francisco, Cal.

'Phone, Red 1751.

Well Nos. 1 and 2 Are Now Being Drilled.

promise for the future, warrants and demands the governmental protection and assistance that can be adequately extended only through a cabinet department of the executive branch of the government. We therefore heartily endorse the now national demand for a cabinet department of mines, first promulgated in past years by the California Miners' Associatian.

RESOLVED, That in view of the fact that so vast an acreage of the now recognized oil territory of the state has passed into the possession of railroad corporations as agricultural land included in the railroad land grants, and the further fact that a large acreage of probable mineral oil lands is included in the remaining unpatented lands within railroad land grants in this state, we recognize the interest of the oil industry in the Mineral Lands Bill, now pending in Congress, which contemplates a segregation of mineral and agricultural lands in such grants in this state, and we do hereby endorse and sustain the efforts of the California Miners' Association to secure the enactment of the said law.

RESOLVED, That in view of the fact that the rapidly expanding petroleum industry of this and some other western states finds itself frequently planted upon the public domain and so controlled by the mining laws of the land, the said industry shares in a considerable degree the general concern of the mining industry in the Federal Mining Laws. Hence we join in the long-standing demand of the western mining world for such a wise revision of the Federal Mining Laws as shall better adapt them to the needs of the miners.

RESOLVED, That we recognize the inestimable service of the United States Geological Survey to the mining industry in the fields of geology, mineralogy, topography, hydrography, statistics, general industrial reports, etc., and particularly its valuable aid to the petroleum industry. We recommend that special efforts be made by this and all organized mining interests and by our representatives in Congress to secure increased appropriations for the support of this important work that the rapidly growing mining industry may have its expanding needs more adequately served.

RESOLVED, That this Association again express its deep satisfaction at the justice of the policy and action of the Commissioner of the General Land Office, Hon. Binger Hermann, in his suspension from agricultural entry of a large area of probable oil lands in this state, pending an impartial investigation of their mineral or non-mineral character, thereby preserving to the oil miners the mining rights which are theirs by both the letter and the spirit of the laws.

RESOLVED, That from the Petroleum Miners of this state is due an expression of appreciation and gratitude to the State Mining Bureau for the attention and the large and valuable service of which the oil industry of the state has been the recipient, especially within the past two years. We urge continued liberal appropriations for the support of the bureau.

RESOLVED, That the California Petroleum Miners' Association recognizes the manifold benefits which the mining industry of the state in general has received as a result of the enterprising and public spirited labors of the California Miners' Association during the years of its prosperous existence, and appreciates the recognition it has given to the petroleum industry. We pledge the loyal and reciprocal support of the California Petroleum Miners' Association to all measures of general benefit to the mining industry of the state.

PRESIDENT CRANE'S ADDRESS.

In addressing the convention briefly, President L. P. Crane, of the California Miners' Association spoke as follows:

The pioneer typifies American

Before Investing In Oil Stocks

Find a Company with small capitalization whose lands lie in a thoroughly proven oil field.

The Pacific Coast Oil and Development Co.

Office, 209 Hearst Building, San Francisco.

Is such a Company. Prospectus, Maps and full information supplied at our office on application.

Will receive orders for a limited amount of Treasury Stock at 50 cents a share,

But reserve the right to cancel this offer without notice.

Pacific Coast Oil & Development Co.

A Guaranteed Proposition.

THE FAMOSA OIL AND INVESTMENT CO.

Offers to Investors and Absolutely Safe Investment.

The Famosa Oil and Investment company offers to investors an absolutely safe investment. Stock holders get back dollar for dollar in the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famosa is capitalized for $350,000 Par value, $1.00 and is underwritten and guaranteed by the Continental Building and Loan Association of San Francisco, with a capital of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

OFFICERS

Jno. P. Albro - - President
A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famosa Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

Office, Room 393 Parrott Building, = San Francisco.

Branch Office, 1330 E Street, San Diego, Cal.

character. The pioneer miner laid the foundation for California's civilization. The pioneer who took his pick, his pack and his rifle made a trail across the desert over which a million of people later found their way to the Pacific Coast. I love the miner for his daring spirit. The miner is a builder. The miner has taken from the rock and the river bed that which has enriched the world and the miner has never stopped with that very thing.

Today the oil miner finds himself face to face with a new industry on the Pacific Slope, the mining of crude petroleum, which in its application to commerce will revolutionize commercial methods. Crude petroleum in its cheapness lays the foundation for numerous factory interests in this state and adjoining states, which will compete with the Eastern productions.

A new era has dawned upon the Western Slope of this nation, and with the aid of crude petroleum, for making steam, with the new territories taken under the wings of our government, over which the American flag has been raised, which so long as the pride of this nation keeps its present trend no foreign arm dare touch, which will result in increasing our wealth and our population. Under present conditions California offers to civilization all and much more than any other part of the civilized world can offer today.

Crude petroleum has recently made steam which has propelled a steamer ten thousand miles. Is there anyone in this audience who can measure its usefulness as applied to the steam merchant marine of the Pacific Coast. But around the mining industry must be thrown a law of equity and justice before the millions of capital, which is looking for investment here, will be thrown in this direction. These are matters vital to the future of California.

The California Petroleum Miners' Assoctation took in hand, to some extent, the audacious Scripper and did its part to acquaint the government with the true conditions now existing. The result you all know. So far the work has been well done. Such legal talent as that of Wright, Baker, Chapman, Short and Trask cannot receive too much praise. All I can say is that the mining interests of whatever nature are one. We are a brotherhood and I hope the spirit of fraternity will never cease. Let us be men and do our work well. Thanking you for your kind attention I will give way to those who can better interest you.

REMEDIES FOR SCRIPPING.

The report of the committee on mineral lands, presented by its chairman, John M. Wright, dealt extensively with the status of the mineral lands bill pending in Congress and then discussed the scrip controversy as follows:

Since the last annual session of this Association, the petroleum mining industry has grown to vast proportions in this State. In locating their lands, the petroleum miners have been confronted with a peculiar difficulty, arising from the fact that in most cases the surface of petroleum lands discloses nothing of the values beneath, while the mining law equires a discovery before the making of a legal location. Taking advantage of this situation numerous owners of what is called "Forest Reserve Scrip," have attempted to "select" petroleum lands under the Forest Lieu Land Laws.

Under this law a "selection" must be made upon unappropriated agricultur lands. As in the case of lands patented within the limits of the railroad grants, these lieu land "selections" secure the fee, that is, ownership from the surface of the earth to its center. The result being the same in practical effect as in the case of a patent to petroleum lands based upon a mineral location, it has frequently been questioned whether it is not as well to allow the so-called "scripper" to obtain his patent as to allow the oil locator to obtain his patent. But the difference is as the difference between mine and thine.

If the "scripper" would in all instances make his "selections" on unappropriated lands where the presence of mineral was not apparent, no one would question his right to a patent nor would any question be raised as to his right to the minerals afterwards discovered within the limits of his property. In very many instances, however, the scripper has not been content to do this; he has "selected" lands within the well known limits of petroleum oil fields, lands known by him, if the human mind can reason, to contain vast quantities of oil; and not only so but he has frequently "selected" lands on which valuable improvements in the way of derricks, drilling rigs and wells had already been constructed. Some of these lands so "selected" are lands where single wells produce as much as 300 barrels of oil per day.

The Chairman of this Committee believes that the "scripper," in common with other men, should receive the just measure of his rights under the law. As pointed out, he can select at will unappropriated agricultural lands and no one shall say him nay; but when he undertakes to "select" the valuable property of others, then, in the opinion of the Chairman of this Committee, there ought to be a law meteing out to him that same justice administered to Claude Duval and Dick Turpin, who with equal right "selected" the purses of the lonely travelers they met upon the high road.

For the purpose of preparing a bill allowing fair and reasonable privileges of location to the oil miner, your Committee was called together in meeting early in the present year. At this meeting, by invitation there was a large attendance of representative oil miners from all parts of the State, and as the result of the deliberations of the Committee and its visitors, who were accorded equal privileges with its members, a bill was drafted which received the unanimous support of the meeting and afterwards of all the organizations representing the oil industry in the State. Later this bill was forwarded to Washington, where it was introduced in the Senate by Senator Perkins and where it received the hearty approval of the Land Department of the Government.

Your committee are informed, however, that at a later date, certain persons claiming to represent the oil industry of the state, but without representing, so far as your committee are informed, any organization of miners or oil men, and without the knowledge of any committee of this Association, assumed to assent to a series of amendments provided by the enemies of the bill, the legal representatives of the so-called "scrippers." These amendments proved objectionable to the officers of the Land Department and made the passage of the bill impossible, the Commissioner of the Land Office and the Secretary of the Interior promptly withdrawing their approval.

The bill itself, a copy of which is annexed to this report, provides merely for the allowance to oil miners of privileges similar to those granted to tunnel site locators under the quartz mining law; and in the opinion of your committee, if this bill had been properly passed, by the present time the respective rights of the lieu land scrippers on the one side and the oil mine locators on the other, would have been clearly defined and well understood.

To prevent the absorption of the oil lands by the "scrippers," the commissioner of the land office has suspended within certain districts in this state, the operation of the United States laws providing for the disposition of the public lands. Pending this suspension, the oil miners are permitted to sink their wells and test the question whether oil lies beneath the surface of their chosen lands. The courts, too, have taken the same view as the commissioner and have refused to allow Forest Reserve selections where there is good reason to believe that oil exists under the surface.

Manifestly, however, some radical step should be taken to settle this question permanently as far as that may be possible and your committee are of the opinion that the bill prepared by your committee will furnish the quickest and most satisfactory relief. Without it, long continued litigation involving vast interests is certain, property rights will be tied up,

H. S. Field, President.
J. C. Pascoe Vice President
R. R. Haskell, Treasurer
P. H. Reynolds, Secretary

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Capital stock 100,000 shares
Par value $1.00

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CALIFORNIA PETROLEUM MINERS' ASSOCIATION.

Incorporated May 28, 1900.

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L. Perry Crane.....president
O.A. Lane.....1st vice-president
J. C. Kirkpatrick...2nd vice-pres.
E. D. Berri.....3d vice-president
Dr. C. T. Deane.....treasurer
W. B. Simmons.....secretary
Prof. E. B. Heald, G. H. Jones, W. B. Winn, Gen. J. M. Gleaves and B. Marks.

The object of this Association is to promote the interests of the oil industry of California and to furnish a bureau of information. It is establishing Eastern agentss consisting of reputable banker- and brokers in all the large Eastern cities, who shall represent oil companies who are members of this Association in the sale of their stock.

It is admitting to membership only those companies whose affairs can pass the rigid examination which is compelled by the Association. This examination is made by the attorneys of the law department, Hon. G. W. Baker and Edward H. Stearns, and by the membership committee of the board of directors.

Applications for membership can be obtained together with the necessary blanks by applying either in person or by letter to the president or secretary of the Association at its office, room 33, 2d floor, Mills building, San Francisco.

Eastern and Foreign correspondents.

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U.S. Scrip and warrants for surveyed and unsurveyed lands for sale and guaranteed by

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400,000 Shares of Oil Stock

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Monarch, Lion, Occidental, Salinas Oil and Development Co., Etc.

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Oil Lands given for development purposes or for forming companies.

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In any Districts of Kern County.

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Paper and Paper Bags, Twine and Supplies of every description incidental to the trade.

We carry the Largest Stock. Our prices are Equitable.
Tel. main, 1133.

Thomas Price & Son
Analytical and Consulting Chemists
526 Sacramento street, San Francisco

Secretaries Of Oil Companies

In Kern River Valley District are respectfully requested to send a copy of their prospectus to
J. S. EWEN,
10 California st., San Francisco
Room 1.

WANTED

A position by an Oil Well Driller by one who has had experience in sandstone formation.
Apply to Jas. A. Jacobs,
1935 Mission Street,
San Francisco.

and the growth of a great and growing industry will be retarded.

We recommend strongly that your committee on mineral lands be instructed by resolution of this Association to forward the passage of said bill by every means within its power.

No other measures of importance have been instructed to your committee during the Association year now closing.

Respectfully submitted,

CHAS. G. YALE, B. S. RECTOR,
H. E. PICKETT, MARK. B. KERR,
JOHN M. WRIGHT, Chairman.

WATTS ON THE INDUSTRY.

During the proceedings a paper was read by Prof. W. L. Watts, State Expert with the Mining Bureau, reviewing the general conditions of the industry in California. The following is a full report:

As most of the oil-miners present are aware, I have for some time past, together with my other duties, been engaged in making investigations and preparing a report on the petroleum industry of this state, to the end that there may be a definite state record, showing the value of th s important industry, so that our legislators and others may be able to contrast its present status with the status as shown by previous reports, and that the main historical, geological and statistical facts connected therewith may be made accessible to the public.

The records obtained show that the production of petroleum in California has increased from about 12,000 barrels in 1876, to nearly two and a half million barrels in 1899, and the production for 1900 will be much larger.

The rate of increase during the three years ending 1899 was, in round figures: 1897, 1,900,000; 1898, 2,200,000: 1899, 2,400,000.

When I made my report on petroleum in 1896, there were about 550 producing wells, and about 100 prospect wells had been drilled At the date at which I closed my report in the current year, i. e. August, 1900, there were about 1500 producing wells and 470 prospect wells, and there is every reason to expect that the petroleum industry in California will go on increasing in extent and importance.

The value of our petroleum industry is far-reaching Exclusive of asphaltum, it is represented by the amount of foreign capital expended in the work of extracting and handling the oil, by the price obtained for that portion of our petroleum which is exported by California residents, and by the value of that portion which is consumed in California The part consumed in this state constitutes the bulk of our petroleum output. it is used chiefly as fuel, thus becoming one of the leading factors in our commercial economy.

Nearly all the oil fields which at this writing contribute to the petroleum output of California, are situated below the 17th township line south of Mt. Diablo; this line is a little north of the latitude of Visalia. The productive oil fields in the portion of the state referred to are distributed as follows. In the foothills of the Sierras near the eastern extremity of the San Joaquin valley; on the eastern slope of one of the Coast Ranges which forms the western boundary of the San Joaquin valley, and in other portions of the Coast Ranges which traverse Santa Barbara, Ventura and Orange counties.

It must not be supposed that the oil-yielding formations are confined to the localities enumerated, for they constitute a large portion of the mountains composing the Coast Range system. Moreover, in many places, they form the bedrock beneath the alluvium of the valley land. It does not necessarily follow that wherever these oil-yielding formations are found they contain oil in valuable quantities any more than the coal-measures always contain valuable beds of coal, but it is a reasonable conclusion that there are in California numerous areas through which these formations extend, wherein new oil fields will be discovered, and these remarks apply to a large portion of the state which lies between the Sierras and the Pacific Ocean

We have in California three distinct classes of oil First, heavy asphaltic oils containing but few of the more volatile hydro-carbons, these are essentially fuel oils. They are characteristic of the group of rocks which we class as the lower portion of the Middle Neocene series of California Second, oils which are more largely composed of the more volatile hydro-carbons and which admit of being split up by natural distillation into many valuable compounds. This second class of oils is usually found in the Eocene rocks, that is, to the rocks belonging to the lower portion of the Tertiary System, but it is also found in the Lower and Middle Neocene formations: All these oils have an asphaltic base, that is to say, the residum after distillation is asphaltum. They contain some paraffine, but for the most part, they are made up of other hydro-carbons which have a greater content of carbon than have the members of the paraffine series.

The third class of petroleum is that found in the Cretaceous rocks which have been exploited in Colusa and Napa counties. As yet no large quantities of those oils have been obtained. They are quite different from the asphaltic oils previously mentioned and their constituents have different specific gravities, boiling and flashing points; they leave no asphaltic residue and appear to be principally composed of paraffines.

As previously mentioned, by far the greater portion of the California oil is used as fuel and that in the crude state. Weight for weight there is not much difference in the fuel value of petroleums of different gravities, the average estimate of the fuel value being that about three and a half barrels of oil equal one ton of good bituminous coal.

A large portion of our oil is refined, and some is used for fluxing asphaltum and in the manufacture of illuminating gas; the refined portion yields naptha, illuminating oil, gas distillate, lubricating oil and asphaltum.

There is every reason to believe that as time goes on, more use will be made of the constituents of California oils both in art and in manufacture.

J. M. CURTIS & SON
Analytical Chemist

Special attention given to the analysis of Oils, and to the tests of Gypsum, Kaolin Clay and other minerals held by the Land Department as sufficient to maintain placer mineral locations.

Quick and accurate returns at moderate prices.

23 California St., San Francisco.

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2000 Feet More or Less.

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Capital Stock, $1,000,000 **1,000,000 Shares, $1 each.**

Stock Non-Assessable. **Location of Property, Monterey County.**

Board of Directors: Wm. N. McCarthy, president and treasurer; J. J. Gunn, vice-president; J. B. Olsen, secretary Jno. C. Quinn, superintendent; C. A. Burcham, director; J. E. Baker, N. A. Dorn, W. J. Ellis, S. S. Simon; Eugene F Bert, attorney; Nevada Bank, depository.

A. S. Cooper, State Mineralogist, G. C. Quinn and S. S. Simon, the well-known oil expert, have just returned from making an examination of the company's property in Monterey. Mr. Cooper's report will appear here next week.

For further information apply to J. B. OLSEN, Secretary

Office, 573-574 Parrott Building.

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GRAND PACIFIC OIL STOCK

Best Investment On the Market

Absolutely Non - Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages.

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows:

Sunset District, Kern County. McKittrick District, Kern County.
Coalinga District, Fresno County. Kettleman District, Kings County. Over 300 Acres more land secured in Contra Costa County last week.

SECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful development is absolutely assured.

12,000 Shares Sold In One Day.

One Hundred Thousand Shares Sold in Less than Three Months

Second 100,000 shares now selling rapidly at $1.00 per share; will probably be sold by January 1st, when 3d 100,000 shares will be placed on the market at $2.50 per share. Now is the time to buy if you want a good profit

The Officers of the Company who are all well-known business and professional men are:

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J. M. Merrell.....Vice-President
John Choice.....Secretary
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F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

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R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

P. S. No salaried officers in the Company. Only a competent seretarydrawspa.y Tel. South 740

Pipe Lines in the Philippines

Most of the oil used in the Philippine Islands for illuminating purposes is imported from Russia, and the retail price is such that none but well-to-do families can afford to use it. This is chiefly due to the expense of getting the oil distributed among the centers of the different islands, waste in transport and expense in packing the cases in a way suitable to the method of transport by bullock carts. Consequently, even with the crude devices employed by the natives, the wells in the islands are well worth working. An interesting account of some of these appliances appeared in a recent issue of the Oil, Paint and Drug Repofter. The pipes in use are made of bamboo, and are very cleverly constructed, and are capable of carrying the oil for long distances without any leakage. The pump used for elevating the oil from the wells is of the usual pattern, except that the parts are of wood. Having selected the spot for the working of the wells, a hole is cut into the earth to the proper depth, into which a large piece of bamboo is sunk. A spout is then put into the pump, and next the valve and rod are constructed. A round piece of wood is fitted interior of the pump, and is hollowed out in sections, so that spokes remain to keep the valve intact, while at the same time the oil can be carried above at each stroke. Elaps made of hide are secured in position on the top of this piece to act as valves. The oil is pumped into the funnel of a tube, which leads to the main pipes of bamboo piping

The method of refining, if it can be called by that name, is very crude. Pieces of bamboo are halved longitudinally and arranged with one half piece overlapping the other and arranged paralell for a distance equal to the full length of the sticks. The oil is poured over these bamboo beds and allowed to drip into an earth tank below. This tank is made of a combination of sandstone, through which the oil filters, and a sort of cement material. When the oils have been treated in this way they become clear, and are suitable for illuminating purposes.

The Monarch.

E. H. Aigeltinger, president of the Monarch Oil company of Arizona, states in a recent letter from the field that since Sunday their well No. 1 has been producing 75 barrels of oil per day. On Wednesday the bailer took out 105 barrels, on Thursday 80 barrels, and about 100 barrels flowed out in ten minutes on Friday. Since then the well has been averaging 35 barrels every two hours.

On well No. 2, 100 barrels were taken out in two hours and a half, lowering the oil in the well 150 feet.

A Spouting Well

The strike of the Arizona Western on the northwest quarter of S. 20-28 is receiving confirmation in good earnest. After getting down twenty feet in the oil sand at a depth of 850 feet, drilling was stopped and the men began putting in casing. Then drilling was resumed, when there was a large flow of gas and the oil began to flow over the top of the casing. The men hurridly prepared to remove the tools, but the pressure was so great that they came up on a slack cable. As soon as everything was clear there was a rumbling sound, and a black column of oil shot in the air above the derrick to a height of one hundred and twenty feet. This lasted about five minutes, and about fifty barrels of oil were lost. Then the flow stopped, and on sending down the tools it was found that there was four hundred feet of sand in the pipe. Later the well was clear and the oil came within ten feet of the surface.

The land is owned by E. M. Roberts and is leased on a one-sixth royalty. Drilling will be continued until a landing is secured. The product is now stated at 80 to 100 barrels. This strike extends the field about half a mile but it does not go beyond the river.

Stock Sales.

The following were the stock sales in the new Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, November 21:

CALIFORNIA STANDARD.		
2700 at	35	895 00
1000 at	34	340 00
500 at	33	165 00
500 at	31	155 00
1000 at	30	300 00
CARIBOU.		
725 at	43	311 75
300 at	41	123 00
800 at	42	336 00
800 at	44	352 00
BURLINGTON.		
100 at	15	15 00
EL DORADO.		
300 at	2 25	675 00
FOUR OIL CO		
1000 at	40	440 00
700 at	41	287 00
HANFORD.		
10 at	100 00	1000 00
10 at	108 00	1080 00
35 at	110 00	5850 00
5 at	120 00	600 00
HOME OIL.		
400 at	4 50	1820 00
250 at	4 45	1112 50
INDEPENDENCE.		
500(B30)at	23	115 00
500 at	22	110 00
KERN RIVER.		
30 at	18 50	553 00
10 at	18 25	182 50
KERN OIL.		
50 at	8 75	437 50
2000 at	9 00	18000 00
LION.		
200 at	50	100 00
MONARCH OF ARIZONA.		
100 at	39	39 00
100 at	40	40 00
600 at	42	252 00
1100 at	41	451 00
MONTE CRISTO.		
150 at	1 45	217 00
300 at	1 40	420 00
McKITTRICK CONSOLIDATED.		
200 at	30	60 00
100 at	28	28 00
100 at	31	13
1685 at	65	1036 25
100 at	70	70 00
500 at	75	375 00
300 at	77	231 00
200 at	80	170 00
100 at	82	82 00
100 at	82	83 00
OIL CITY PET		
40 at	35	140 00
100 at	36	360 00
10 at	34 75	347 50
OCCIDENTAL OF W. VA.		
150 at	64	96 00
PETROLEUM CENTER		
683 at	100	1683 00
1000 B 30 at	09	9 00
2350 at	09	2070 00
5000 at	08	400 00
2100 at	12	152 00
2250 at	11	2502 50
500 at	14	70 00
1000 at	15	150 00
RED CRUDE OIL.		
3100 at	50	1550 00
STERLING.		
100 at	2 62½	262 50
300 B 30 at	2 65	795 00
125 at	2 55	318 75
100 at	2 60	260 00
100 at	2 95	295 00
20 at	2 40	48 00
100 at	2 35	235 00
SAN JOAQUIN		
120 at	9 00	1080 00
200 at	8 87½	1775 00
15 at	9 12½	136 87½
210 at	8 75	1837 50
25 at	8 62½	215 62½
100 at	8 12½	812 50
40 at	8 50	340 00
400 at	9 25	3700 00
400 at	9 37½	3750 00
SHAMROCK		
500 at	85	425 00
TWENTY-EIGHT		
2100 at	2 50	52 50
750 at	2 45	1837 50
200 at	2 45	1837 50
200 at	2 47 1-2	495 00
500 B-30	245	1225 00
WEST SHORE.		
100 at	3 50	3 50 00
YUKON.		
375 at	57	313 65
Shares 96740	Amount	$73,200 74

JOSEPH B. TOPLITZ

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HOWARD H. SHINN

Member Producers' Oil Exchange and San Francisco Stock Exchange Board.

318 Pine St., Rooms 7 & 8

Oil Stocks and Securities.

An Opportunity Of a Lifetime...

Owner wants to meet one or more moneyed men, small amount required, to take interest in Kern county oil property. One well and Standard Rig, all first-class tools, on the ground. Located on railroad.

Box 13, this office.

Pacific Land and Oil Syndicate.

(Incorporated)

200,000 shares, par value $1.00.

This syndicate has the largest acreage of any oil company in the State: 14,500 acres in Kern River and McKittrick Districts, Kern County.

Lands surrounded by wells for sale or to lease for immediate development.

Agents wanted throughout the State.

On account of the increased value of these lands, and realizing the necessity of more rapid development, this syndicate has concluded to offer 10,000 shares of its stock for sale at $1.00 per share.

Address all communications to PACIFIC LAND & OIL SYNDICATE, 308 Pine street, S. F.

For Sale Cheap

40 or 80 acres Kern county oil land, near railroad. Cash required.
Box 137, this office.

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Published Weekly
The Oil authority of the Pacific Coast
Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher.

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, NOVEMBER 23, 1900.

The City Papers Recognizing Oil.

The San Francisco newspapers at last are recognizing the importance of the oil industry. Up to the present time the city papers have practically refused to say anything about oil except as to those oil companies who advertised with them at the same rates charged lottery companies. The newspaper managements openly charged the oil industry with being a swindle and refused to say anything about it except on swindlers' rates.

The cordial recognition given the oil men by the California Miners' Association which convened this week, and the important part taken by the oil industry in the convention forced the papers out of their shells of silence and compelled them to mention the great oil industry of California in a manner worthy of its importance.

This is well illustrated by the Chronicle, which editorially spoke as follows:

"The convention of miners now in session marks a new era in conferences affecting the industry in this State. When the California Miners' Association was organized its main object was the protection of the interests of gold mining. Until the present annual session of the association all of its transactions have pertained to that branch of mining only. This year petroleum mining has come conspicuously to the front in the association's deliberations.

"It is rather curious that although petroleum mining has been carried on in the state for about thirty years, it is only during the last year those engaged in it encountered any serious difficulty with the mining laws. It is of very recent date, in fact, that the oil developments in the State carried the petroleum miner into the public domain. In Los Angeles, Ventura and Santa Barbara counties most of the oil wells operated were on ground previously held in private ownership. Since the opening of the oil fields on the public domain in Kern county, the petroleum miners have encountered the same trouble over mineral and agricultural land locations that the gold miners have been trying for many years to overcome, and for which they believe the mineral lands bill now pending before Congress will prove a satisfactory remedy. The oil miner now finds that he has interests in com n with the gold miner against the agricultural land locator.

"Beach mining has also brought the two branches together. The gold discoveries at Cape Nome brought out the fact in bold relief that the mineral land laws do not apply to anything lying below ordinary high water mark on the ocean shore. Oil miners at Summerland and other points on the southern coast suddenly found themselves likewise outside of the pale of the mining laws, trespassing on territory to which no color of title was obtainable.

"As the petroleum and gold miners have thus a community of interests to care for, they have wisely joined hands to further them co-operatively. Petroleum now stands third on the list of the state's mineral productions. In the opinion of experts, the time is fast approaching when it will ascend to the first place, outranking copper and gold."

Around Vallecitos

Senator Preston of Nevada city, a prominent man in the state and well-known geologist, visited the Vallecitos oil district Wednesday and Thursday. The senator is emphatic in his declaration that this district will be among the leading ones in California in less than a year. He says that the stratification is right to expect a great oil basin, and he adds that the surface indications are the best he has ever seen.

The Esmeralda is now drilling on section 22 of the Vallecitos district, and Mr. Kingsbury, general agent for the company, says he is receiving many enquiries throughout the East, and all over the state, and is looking forward to great results from the Vallecitos district and the Esmeralda company.

Great New Year's Number.

The OIL REPORTER, always alive to the interests of the industry that it represents, has determined to bring the growth of the oil business of California before the people of this state and the East in an effective manner. This will be done in a great New Year's edition, consisting of fifty-two pages, which will be issued on December 28. This number will contain a full description of the various features of the oil industry, its humble beginning, its recent enormous growth and present status, with a comprehensive view of its scientific aspects, including the geology and chemistry relative to the industry, the mechanical technology involved in production and the refining process and the commercial problems to be considered in bringing the output into the markets of the world. Each of the producing fields will receive its proper share of attention, with its history, characteristics, and present and prospective development and output freely set forth. The reading matter will not be composed of indefinite and vague expressions of opinion, but sound facts based upon actual observation and experience or drawn from fully reliable and authentic sources, which will prove a source of genuine satisfaction to any reader desirous of information in regard to the industry. The great feature of the edition will be its illustrations, which are to be beautiful half-tones made from photographs taken in the field especially for this number. The highest phase of photographic art has been employed to bring views of the fields before the eye of the reader as they really appear and no expense will be spared to secure an elaborate artistic success.

The wide distribution of copies of this special illustrated edition will be the most effective way which can possibly be used to bring this great industry before the investing classes of America and Europe. A very large edition will be published, orders being already received for over 10,000 copies, and means taken to secure their general distribution, so that the paper will offer unusual advantages to the advertising public, and those who have business interests in any way related to the oil industry will see the advantage of securing space, which should be done at once. Orders for extra copies should also be placed well in advance, as the number to be printed is fixed by the demand.

Oil Representatives.

Delegates to the Miners' convention named by the directors of the California Petroleum Miners' Association were as follows: President, L. P. Crane; secretary, W. B. Simmons; Colonel E. D. Berri, O. A. Lane, J. C. Kirkpatrick, E. P. Heald, G. H. Jones, W. B. Winn, General J. M. Gleaves and Dr. C. T. Deane, the above being the board of directors of the California Petroleum Miners' Association. To this number were added the attorneys of the association, Honorable G. M. Baker and Ed. H. Stearns, and also the commissioners to the Paris Exposition, who so ably represented the California oil industry at the oil congress, namely, Honorable M. H. de Young and Hon orable W. H. Mills.

UNABLE TO ATTEND.

Last week the California Petroleum Miners' Association, in addition to its regular delegates, appointed as delegates to the Miners' Convention, Hon. W. H. Mills and Hon. M. H. DeYoung, who so satisfactorily represented the oil industry of California at the Petroleum Congress held at the Paris Exposition in August last. Unfortunately Mr. DeYoung was obliged to leave for the East just before the opening of the Miners' Convention, and the following letter from Mr. Mills is self-explanatory.

San Francisco, Nov. 17, 1900.

W. B. Simmons, Secretary, California Petroleum Miners' Association, room 33, 2d floor, Mills' building, city.

Dear Sir: Your favor of the 16th inst., notifying me of my appointment as a delegate from the California Petroleum Miners' Association to the Convention of the California Miners' Association to be held on Monday next, has been duly received. I would cheerfully serve in such capacity had I not already made an engagement to leave this city on Monday morning to visit the Big Basin in Santa Cruz county, which it is proposed to buy for the State of California. I go in a special car, taking with me thirty prominent citizens of this state, and will not return until the middle of the week. My attendance on this excursion which was arranged over a week ago, is essential and the trip admits of no delay as the money for the proposed purchase must be raised by the first of December.

Kindly convey my regrets the California Petroleum Miner Association that I cannot serve a delegate to the convention.

Yours very truly,
WM. H. MILLS.

The Producers' Association.

The Producers' Association of Bakersfield, an organization formed for the purpose of purchasing and marketing the oil of the San Joaquin Valley Field, has decided at a recent meeting to begin business on the first of January of next year. It is thought by the promoters of the company that it will be able to handle the greater part of the oil from this field, by making purchases of all not already under contract. The tankage erected by individual companies in the field has a storage capacity of more than 200,000 barrels, and this is expected to be sufficient to provide for the wants of the Association. Other details of the marketing of the oil will be attended to by the Association. It is the expectation of this company to regulate and maintain the price, by means of contracts for the oil supplied. Something of this kind is needed in Kern River, where individual competition has forced prices to a low basis.

Oil on the Warships.

The difficulty in the way of the adoption of petroleum as fuel on the warships of the United States Navy seems to be the want of an efficient burner. Experiments have been made on the Talbot with the jet or spray burner, but according to Admiral Melville it is impossible to secure satisfactory results with this type, as not more than three-quarter speed could be maintained for even a short time, and except at a low speed the smoke is as plainly visible as if soft coal were used. Inventors by the score have brought their burners to the attention of the Department, and those which seemed the most promising have been allowed a practical test, sometimes under the personal direction of the maker.

The authorities have also tried heating the oil in retorts until it became gas, and this product was mixed with hot air before burning, but it would be premature to state anything positive about the value of this plan, although it seemed to give more heat than the jet burners. It would be strange if the American mechanic were not equal to those of France and Russia, whose war vessels and torpedo boats have been equipped with liquid fuel. It has been found necessary to reduce the oil to spray by some better means than the use of steam if the navy is to become an oil consumer.

The Harlow.

The Harlow Oil company has incorporated under the laws of Arizona, with 1,500,000 shares at $1.00. The officers are: H. H. Harlow, president; C. Hirsch, vice-president; M. E. Cerf, secretary; John Hitchcock, T. P. Loyd, J. F. Firebaugh and S. Weill. The company has 2,400 acres in McKittrick and Devil's Den district, all of which has been pronounced superior oil land. The immense acreage held by the company makes their capitalization comparatively small. A limited amount of treasury stock at cents is offered at the office of t company, 35 Chronicle building

The Lincoln Oil Company.

The Lincoln Oil Company, which has its office in the Central Bank Building, Oakland, is fast coming to the front. Already they have a fine No. 1 Standard Rig on section 14, 28 27, Kern River District. The recent big strikes of the Edgar and Santa Barbara companies are on land adjacent to the Lincoln; the formations are the same and only a few hundred yards distant. The drill of the Lincoln will surely encounter oil on about the same level as the Edgar and Santa Barbara, whose wells are among the best in the district. This fact is very encouraging to the stockholders of the Lincoln Oil company, and proves beyond a doubt that the Lincoln will surely be a big oil producer in the near future. The stock of this splendid company is now being sought after by the thinking public. The first block of 6000 shares has all been sold at 25 cents. The directors have put another block of 6000 on the market at the same price; when this is all sold no more will be offered for less than 50 cents. Much credit for the able manner in which this company has thus far been conducted is due to J. H. Edson, the secretary and manager, who has been in the field personally superintending the work thus far.

A Klondike Jewel.

The Klondike Jewel is the name of an oil company recently incorporated under the laws of California with a capital stock of $100,000, shares at $1.00 each. The land is located in the heart of the McKittrick district, with producing wells on every side. It was owned by J. M. Carson, the son-in-law of Owen H. Smyth, of Phillips and Smyth, the printers. Mr. Corson owned a great deal of land in McKittrick, which he sold or leased to oil companies, reserving this tract. Messrs. Phillip and Smyth are directors in the new company, and it is needless to say that printers, pressmen, etc., are rushing to the front with coin to get in on the ground floor of this safe proposition. Warden Aguirre is also a director, as is Mr. Corson. Few companies have better prospects.

Struck Oil.

The Bear State Oil company has struck a good flow of oil in their first well at 1,005 feet. The oil is now running over the top at the rate of a pint per second.

Tanks are on their way to the well, which has been capped to save the oil.

The company's treasury stock has been raised to par:—$1.00 per share.

The Famosa.

Since last week the Famosa has sold enough shares of stock to make a record, and is unusually satisfactory to the holders of stock formerly purchased, the most conclusive evidence of the advancement made thus far, and in the energetic and sagacious management of the officers of the company. This confidence has been confirmed by the progress of matters since its organization, only two months being consumed in which to purchase splendid Standard drilling rigs for wells No. 1 and No. 2, and the casing for these will arrive as soon as steam and rail can bring it. As is well known, they will drill next to wells already large producers, and success is sure.

The Gray Gander.

The largest bird in the Kern River oil district is the Gray Gander, and from present indications the time is near when the announcement may be made that one of the largest producing wells in the Kern River district is on the property of this company. Their well No. 1 is a short distance from the Edgar company's well, which is beyond a doubt in the best oil sand of the district.

Oil in Monterey.

In the geological formation the anticlinal and synclinal "saddles" and apexes are the most perfect ever seen in California; these are all well impregnated with bitumen. About San Ardo the body of oil sand is one of the greatest in the state. The sand belt or bituminous rock is about six miles wide; the shale then appears in great quantities and extends thirteen miles south to another deposit of bituminous rock in San Luis Obispo county. From Mr. Cooper's statement in a recent issue of the "REPORTER," and from all other experts who have seen this country, it is going to be ahead of any other oil field in the world.

A great and inestimable advantage the Monterey oil fields possess is that wood and water are obtained on the ground in sufficient quality. From all development thus far prosecuted, it is an assured fact that oil will be obtained in great quantities and of a great deal lighter specific gravity than that of the Kern fields. It may be further added that a great many of the first discoveries and locations of Kern county have seen the advantages of Monterey over their old grounds and availed themselves of the opportunity to secure locations and leases there, and have expressed their opinion, based upon careful survey of the field, that the width and breadth of Monterey county is a lake of oil; it is a fact that no surface indications have shown a rock whose presence would contain indications detrimental to oil men in any part of the county.

The formation from one end to the other is that of unaltered shales and bituminous rock. Only a few more months will be necessary to demonstrate successfully the faith now expressed and reposed in the Monterey oil field and when it is an assured fact, it will be hard to obtain drillers and other workmen to go into the deserts of other fields, for they will find water in abundance and of the best kind, and Monterey in this respect will be God's country indeed.

It is valuable to note the difference in expense of operating a well in Monterey over other fields. In McKittrick, Sunset and Temblor, the average water and fuel expense to a machine for one day's run is from $20.00 to $65.00; while in Monterey county the fuel and water expenses amount almost to nothing, just for the cutting of the wood, while the water is obtainable on the ground.

The eyes of the entire oil interests of the Pacific Coast and almost of the entire country are turned upon present and future developments in Monterey county.

OIL SEEKER.

San Ardo, Nov. 20.

Frank DuBois

Will expert Oil Land for Cash and Promoters' stock. Thoroughly familiar with entire Oil Belt, from San Diego to Humboldt. Under my control some very valuable tracts of Oil Land in Sunset McKittrick and Kern River, that will offer good inducements on them, to reliable parties. Sale, Lease or Promotion.

393 Parrott Building

The CONTRA COSTA OIL and PETROLEUM CO.

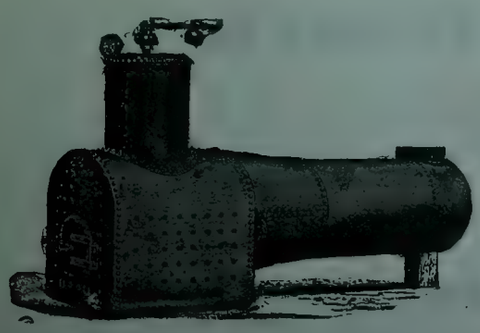
Capital Stock . $500,000

Shares . . . $1 Each

The company is operating on land known to be oil land, as in 1864 a shallow well was drilled which yielded oil of a good quality

A railroad runs within a mile and a half of the property, and tide water is only eight miles distant. For map and prospectus. address any of the officers, or

G. GRIFFITH,
Assisstant Secretary.
Hearst Building, San Francisco



Contracted Waist Water Front Fire-Box Oil Well Boiler. Made in two sizes 20and 25 Horse-Power

PARKE & LACY CO.

SAN FRANCISCO, CAL. BAKERSFIELD, CAL.

21 & 23 FREMONT ST., SAN FRANCISCO.

Engines, Boilers and Pumps for

OIL WELLS

Well Boring and Drilling Tools. Prompt Delivery Guaranteed

Oil For the Ralroads

The Southern Pacific Company's officials have been discussing the availability of extending the use of oil to the Oakland Division. The tests used on some of the branch roads in the south has shown that oil is slightly cheaper and much cleaner and easier handled. One of the greatest advantages of its use is the entire absence of the flying cinders which prove such a great annoyance to passengers on lines where coal is burned.

Another point that is considered by the company in the prospective introduction of oil burning on this division is the lessening of danger from fires. At present the company pays thousands of dollars damages for grain fields destroyed by fires, which are started by flying sparks from the engines. With the introduction of oil there would be no sparks and consequently no fires.

As the lines of this division pass through a great grain-growing section, this is an important consideration, and should it be decided to make the change, all the engines will be fitted up with the oil-burning apparatus before another dry season arrives, with the accompanying danger of burning grain fields.

Arrangements have been completed between the Santa Fee Railroad Company and Canfield, Chanslor & Doheny, under the terms of which the firm agrees to furnish oil for the Santa Fee for a term of five years.

"We have agreed to supply the company with an aggregate of 1,250,000 barrels a year," said Mr. Canfield. "The oil will be used on the line from San Francisco to some point in Arizona."

The Santa Fee has shown conclusively that oil is a success as a fuel, and is making arrangements for an extensive increase in its use on the system. Arrangements are now being made to equip all locomotives on the division between Barstow and Needles with oil burners, and that oil will be used as far as is practicable.

Oil Submarine in the Philippines.

Along the coast of the Philippine Islands are found oil bearing strata, at a depth varying from twenty-five to 100 feet below the surface of the water. In order to get at the oil the wells are walled in at low tide or some means employed to keep the water back while the wall is being built. After this work is completed a pump cylinder is put in and a strainer made of wire meshes attached to it, through which the oil seepages from the strata are pumped up from a cast iron bowl, perforated to allow the oil to enter. After being raised to the surface the oil is strained in tanks made out of a peculiar sandstone at some distance from the coast. The natives then put the oil into earthen jars of their own manufacture, closed by a leaf tied over the mouth with a piece of hemp twine

New Incorporations.

The following articles of incorporation were filed in the office of the Secretary of State last week.

The Pellissler Oil company. Principal place of business, Los Angeles. Directors—G Pellissler, G J Denis, G MacGowan, W A Pitcher, S C Hall, F A Garbutt and S T Peet of Los Angeles. Capital stock, $50,000; subscribed, $700.

Graciosa Oil company. Principal place of business, Los Angeles. Directors—F. Harkness, J A Fairchilds, E W Gillmore, E Strasburg and C Smith of Los Angeles. Capital stock, $1,000,000; subscribed, $50.

Portia Land and Development company. To bore for oil, etc. Principal place of business San Francisco. Directors—J D Ackerman, W A Stuart, G W Lee, San Francisco; B C Mickle, Centerville, and D L Phillips, Hanford. Capital stock, $150,000; subscribed, $63,000.

Great Mogul Oil company. Principal place of business, Los Angeles. Directors—F T Harden, H E Brett, L T Clemans, D C Narver, R Dodson, all of Los Angeles. Capital stock, $1,000,000; subscribed, $100.

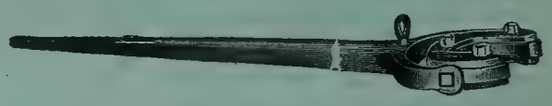
Tiber Oil company. Principal place of business, Fresno. Directors—W H McKenzie, S N Griffith, C L Browning, J Streeter, Jr., W T Porter, all of Fresno. Capital stock, $500,000; subscribed, $500 f

Lehman Transportation company. Principal place of business, Los Angeles. Directors—C J Lehman, W E DeGroot, G L McDonaugh and E L McDonaugh of Los Angeles. Capital stock, $50,000; fully subscribed.

The D amond.

This company is now down over 900 feet, and have practically conquered the obstacle of bearing sand. The drill is now in sand and shale, and the 11⅝ casing is being pushed down as fast as possible.

The Barrett Oil Well Swivel Wrench For carrying and placing bits in drilling stem bits.



Drilllers, to be successful, should use the best and latest appliances, as it is LABOR, TIME AND MONEY SAVED.

It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different sized squares to suit different sized bits.

—MANUFACTURED BY—

J. Barrett, = Alleghany, Pa.

California Fortune Oil Co.

Incorporated under the laws of Arizona.

CAPITAL, $500,000. Shares, $1.00 each.

OFFICERS.

A. R. Wooster.....president
Judge Alfred J. Fritz.....1st vice-presiden
R. A. Coleman.....2nd vice-presiden
I. J. Truman.....treasurer
E. Denicke.....secretary
Wm. M. Madden.....attorney

DIRECTORS.

W. C. Carpenter A. McDonald R. L. Atkins

Location: Section 34, 12-24, Sunset District. In the same section there are five wells in operation.

Contract Has Been Let For Rig and Drilling Will Begin at Once

The Company also own 80 acres in McKittrick and 320 acres in Coalinga.

Office, 529 Parrott Building.

Apply to E. DENICKE, secretary.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

KERN.

The Shasta company is down 300 feet.

Drilling is progressing on the Bryan Clark and Wilson.

The Kern Canyon well has been perforated.

The Superior well is flowing over the casing.

No. 5 of the Sacramento Oil company s still producing 50 barrels.

The Atlas is preparing to begin developments on 20, 28-28.

The Adirondack at McKittrick expects oil at 800. It is now down 660 feet.

Oil is reported struck by the Federal company on 3, 30-30.

Ten hours bailing will not reduce the oil in Monarch No 1 twenty-five feet.

A rig has started for the King Philip to look for a light oil on 9, 10-23.

A telegraph line is being put up along the Kern River branch.

Drilling has been resumed by the Santa Barbara and Kern on 24, 28-29.

The Comet property is averaging about 75 barrels to the well.

The Grace company is pulling its big casing because of a defective shoe.

The Red Bank has begun spudding on No. 1. The company has holdings in section 4.

The Minnehaha company has let a contract for a well on the SW¼ of 19, 28-28.

Bailey Bros. have succeeded in going down 1000 feet with a hydraulic rig on 22, 28-27.

A Standard rig has been put in by the Pacific Consolidated after going down 1100 feet with a St. Louis rig.

Eighty acres belonging to the Gray Eagle in the Kern River district recently sold for $200,000.

Eight hundred feet has been reached by the Hercules on 2, 29-28, and the drill is meeting many hard shells.

A large body of salt water has been encountered by the Uncle Sam on 35, 28-27, at a depth of 1110 feet.

It is reported that oil has been struck on the Tehachapi grade at Pampa. If correct, this makes a continuous field of Southern California.

The Old Dominion at McKittrick will drill to a depth of 2500 feet if necessary to get oil. The hole has already cost $15,000.

The Toltec is hauling lumber to the land it recently bought of the Gray Eagle, the N½ of the SE¼ of 30. Although the company is not yet fully organized, it has $30,000 in the treasury.

Well No. 1 of the Monarch Oil company, which was recently shot, is having much trouble with sand. When this is cleared out it sometimes flows, and when free from sand produces 100 barrels daily.

The perforating knives of the McKittrick company, on section 18 in the Kern River field, broke after perforating thirty feet of casing, but the oil rose to within 135 feet of the surface, and bailing for three hours showed that with that perforation the yield was fifteen barrels an hour. The well is over 900 feet deep, he last 200 being through oil sand.

On 5, 29-28, well No. 6 of the Monte Christo Oil company has over 500 feet of oil sand and has made a landing. The present stratum is 100 feet thick and the well is 1010 feet deep.

Another well will be put down by the Shale Basin company, operating at McKittrick, as the first hole, though not a success, gave good indications.

The Century company had bad luck on its wells on the SE¼ of 14, 28-27. The second hole, started ten feet from No. 1, ran into it at a depth of 400 feet. The company is down 700 feet on No. 3.

Three thousand five hundred dollars per acre is a good price for any land, but that is what some Oakland people paid for eighteen acres in 29, 28-28, recently.

The Shafter Oil company will operate in the Pampa district after being reorganized.

On section 24 the Santa Barbara and Kern County Oil company is having trouble with gas and has to keep the hole full of water in order to drill. The oil is of a lighter gravity than usually found in the district.

The Occidental Oil company gets oil not only from the bottom, but from the joining of the 11⅝ and 9⅝ casing and also from between the 9⅝ and 7⅝.

LOS ANGELES

A rig is going up for the fifth well of the Oceanic Company in the Sisters' Hospital tract.

West of the Baptist College the Montana has a rig ready for its fifth well.

Well No. 1 of Phillips & Beveridge north of Hardison & Hardison, has been put on the pump.

Three strings of tools are being operated on the Westlake property on Commonwealth avenue.

Drilling is still going on at the well of Dr. Moore in the local field, with promising indications.

On First and Hoover drilling is still going on at Hardison & Hardison's No 12.

The College Oil company has completed well No. 13 in the remarkably quick time of five days.

An eighty-barrel well is reported in No. 12 of the Uncle Sam Oil company, just completed.

A rig is up for No. 6, belonging to Mr. Shirley, in Belmont Park. On Alpine and Ramona streets the Union Petroleum company has its No. 1 on the pump and No. 2 rig ready.

Drilling is going on on the property of Rice and Dimlen, in the Los Angeles local field, half a mile east of the Pacific Slope well.

Work has been begun by Porter and O'Donnell, under the name of the Paris Oil company, on their six-acre lease on the Weid tract.

The Neuva Camulos Oil company, which suspended operations in the Piru field last month, has, it is said, secured a tract of land in the Los Angeles field and will drill there.

Pitcher and Garbutt are beginning work near the Pacific Slope well on the west side.

Two more strings of tools have been added by the Pacific Slope Oil company to work on their West-side property.

No. 1 of the Cahuenga company has a record of twenty barrels, and their No. 2 is now down 485 feet.

The Pellissier company, otherwise Pitcher and Garbutt, are ready to begin

(Continued on page 16.)

KERN RIVER OIL

AND DEVELOPMENT COMPANY

212 Sansome street, San Francisco, Cal.

Leases 130 acres in the Fullerton Oil district, Orange Co.,
Owns 320 acres in the Kern River oil district, Kern Co.,

250,000 shares of $1.00 par value. 100,000 shares in treasury.

Treasury stock for sale at $1 a share, **fully secured**.
Treasury stock for sale at 50 cents a share, not secured.

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Oil Land, Oil Stocks, Oil!

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Lands to lease on royalty or will take stock in progressive companie
Companies Incorporated under non-assessible laws.
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E BREITWISER, Inventor RISDON IRON WORKS Builders
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NEW RAPID HYDRAULIC ROTARY and WALKING BEAM combination rigs.

NEW STYLE STANDARD RIGS with all iron sprocket belts and rope drums.

NEW MULTIPLE PUMPING PLANT, with separate strokes each well.

HYDRAULIC CLEANING AND FISHING OUTFITS.

FUEL OIL FOR SALE.

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DEPARTMENTS:

MACHINE SHOPS
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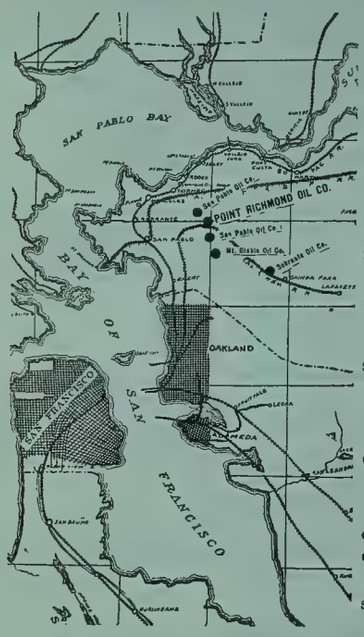
Rigs Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

Telephone 341 21st and I Streets. P O. Box 463
BAKERSFIELD, CAL.

Point Richmond Oil Co.



Capital Stock $100,000.

BOARD OF DIRECTORS:

Henry B. Russ, president, capitalist San Francisco; J. C. Martin, vice-pres, dent, road foreman of engines, S. P. Co. San Francisoo; I. W. Taber, treasurer, president Taber Photo Co., San Francisco; A. Keller, director, agent S. P. Co., Alameda Point; J. O. Denny, director, journalist, San Francisco; S. D. Woods, attorney, member of Congress for Second District, California; Arthur Wheeler, secretary.

This company is capitalized with less shares than any other company in Contra Costa county.

Stock 50 cents per share.

No assessments. Small capital stock. Guaranteed advance in price.

Controlled by well-known men.

Our property is close to the city and can easily be seen. It is declared by experts to be as fine as any in the State

Strong companies are drilling on each side of us. Send for prospectus.

Point Richmond Oil Co.

floor, Room 41, Mills Building, San Francisco. Telephone Main 1765.

Oriental Oil & Fuel Co.

Of Portland, Orgon.

Incorporated under the laws of Oregon.
Stock Non-Assessable, Non-Liability of Stockholders.

CAPITAL STOCK, $100,000 Divided into 100,000 shares, par value $1.

We have acquired title to the Southwest Quarter of Section 8, Township 26 South, of Range 21 East, M. D. B. & M., in Kern County, California.

OFFICERS AND DIRECTORS—H. C. Eckenberger, Commercial Agent of the Michigan Central Railroad, President; R. L. Dunham, Vice-President of the Merchants' National Bank, Vice-President; H. C. Breeden of H. C. Breeden Co., Furniture Dealers; J. Frank Watson, President Merchants' National Bank; Charles V. Cooper Contracting Freight Agent Union Pacific R. R.

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THE FLASHLIGHT Oil Company

1200 acres in Coalinga District Offers excellent opportunity for rapid advance in stocks bought now in at bed rock price. Shares now selling at 20 cents will surely be worth $1 00 inside of six months; agent wanted in each city in the State. Write for prospectus, for particulars, etc.

Now Drilling.

THE BAY CITY OIL COMPANY,

Is now drilling on its lands in Midway District, Kern County.

Circulars and maps sent on request.

Bay City Oil Company

321 Safe Deposit Building, San Francisco.
GEO. W. TURNER, President.
E N .SEWELL, Secretary,

When you want to swear go to

LEE D. CRAIG

Notary Public and
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bet. California
and Pine, San Francisco.

A Splendid Opportunity

FOR INVESTMENT

Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.

We also have for sale or lease any part of section 26, township 32 south, range 23 east, Sunset District, on reasonable terms.

ROOM 625 LAUGHLIN BLDG.
LOS ANGELES, CAL.

Fulton Engine Works

Los Angeles, = California

Oil Well Tools and Machinery.

Postoffice Box No. 296—Station C. Telephone, Main 661.

Lacy Manufacturing Company

Manufacturers of

OIL STORAGE & WAGON TANKS

Oil Well Casing Oil Stills

Steel Water Pipe General Sheet Iron Work.

Works: Cor. New Main and Date streets. P. O. Box 231.

Telephone, Main 196. Baker Block. Station C

Office, 334 North Main Street, Los Angeles. Cal.

INTER NOS

Oil and Development Company

Rooms 39 & 40 Crocker Building

Junction of Post and Market Incorporated under laws of Arizona

Positively Non-Assessable. Capital Stock, $400,000

Officers—Matthew C. Nunan, President; A. M. Cox, Vice-president; John F. Harris, treasurer; M. L. Culver, secretary; C. W. Duffie, Manager; Hugo D. Newhouse, Attorney; Daniel Meyer Depository.

A limited amount of treasury stock will be sold at 25 cents per share. Lands of the company are in Sunset, McKittrick and Temblor Districts, comprising 410 acres. Will commence boring at once on section 9, 32 south, range 23 east, M. D. B. & M., situated in the very center of oil-producing wells. This stock sale is a SNAP, as operations begin at once. Work will progress as rapidly as possible. Do not wait to be solicited for this stock as it is not a speculation, but a sound investment. For further information apply or address

Brust & Byrne, General Agents,

Rooms 39 and 40 Crocker Building - - San Francisco

Telephone, Main 296.

Stock of this company will advance to 50 cents per share on or bort the 15th of December, and you want a A 1 investment call on or address **Messrs. BYRNE & BRUST.**

Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance for those about to form an oil oompany.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building.

Great Activity.

In San Benito county oil developments are booming. In the southeastern portion, in the San Benito-Fresno district, the World and the Panochito companies are going down as rapidly as possible, the former having reached a depth of 600 feet, and the latter 400 feet. This company struck a strong seepage and had six feet of oil in the well. The Esmeralda is getting ready to drill.

Near Hollister, the county seat, the San Benito County company's well is now down 516 feet, and a strong flow of gas has been encountered. Bad judgment was exercised in decreasing the size of the casing until now the hole is only 5⅝ at the bottom. All this casing is now being pulled, the hole will be enlarged, and 11⅝ casing put down to enable the drillers to go to a depth of 1000 feet or more, if necessary. It is thought that 200 feet more will do the trick.

The Hollister Crude Oil company will soon have a rig at work on the Chapelle ranch about five miles south of Hollister. Already enough stock has been sold to ensure the success of the enterprise.

Another company called the Puritan has been organized to drill on the Chapelle ranch, and it will be drilling as soon as possible.

Lawyer Jefferson has organized a company on the Baldwin ranch in the Gabilans, and is selling big blocks of stock at one cent a share.

John A. Morgan and others of San Francisco have organized a company for the Flint hills north of the San Juan valley.

Two companies will soon be at work on the Watson ranch in the south of Hollister.

In fact there is a prospect of lively times ahead for the Hollisterites if oil is struck in paying quantities, and there seems to be no doubt of that.

The Lion.

Vice-president Cochrane and F. F. Weed visited the fields and found previous reports had not been exaggerated. While there they ordered large quantities of tankage to store the output of well No. 1, and also made a contract with Jewett and Blodgett, who own the refinery on the Sunset field, to take the output on well No. 1. The capacity of the well still remains untested for the reason that the tankage has been insufficient to contain the oil that would be necessary to thoroughly and fully test it, as it would overflow and run all over the sand and go to waste. In the course of ten days the Lion will be fully able to control the flow.

The Occidental Strike.

The Occidental Oil company's well on 2, 11-24 at Sunset will make a big producer as soon as some means are perfected for getting the oil and saving it. It is flowing between all the different sized casing, giving a double flow. A telegram from Mr. Moran, the superintendent, states that it is flooding the plain for two miles around.

In Sunset, on 9, 10-23, the King Philip Oil company has erected a derrick and the machinery was placed, and drilling commenced on Saturday. They expect to strike oil in less than 600 feet.

An Accidental Strike.

While pulling casing at well No 1 of the Santa Barbara and Naples Oil and Land company west of Santa Barbara it was discovered that the well was a far better one than it was thought to be. The well is 1105 feet deep. At the 750 foot mark, as it was being drilled what was thought to be a rather creditable seepage was shut off. On the 12th inst., as the casing was pulled past the mark, the well suddenly filled with oil to a depth of over 500 feet. There seemed to be no end of it in the well.

The people at the place got out a number of barrels of the oil with their bailer. It was heavy and black, but it is stated that there is a lighter grade of oil back of that taken out.

They are now sure that there is oil on the property, and will proceed at once with a second well located about 1000 feet from No. 1. The treasury is in ample funds and it will be the plan of the directors to drill with all possible speed.

New McKittrick Gusher.

A flowing well has been struck by the Pacific Crude Oil company, which about two months ago made a location on forty acres belonging to the north-east quarter of section 24, 30-21, a short distance south of the celebrated McPherson well. The company went through 300 feet of continuous oil sand to a depth of 922 feet, when drilling was discontinued and the well was plugged. After being perforated the oil began running freely, rising to a height of four feet above the casing. It continued in a steady flow for twenty-four hours without a break, until it began to grow smaller, and finally stopped. A cap was then put on the well until proper pumping appliances could be put in, as most of the flowing wells have to be pumped to insure a steady flow.

Sound Boom In Sunset.

The present boom in the Sunset, McKittrick and Temblor districts is in reality on substantial basis, due to the number of producing wells, which is substantiating and encouraging to the numerous companies now operating in these districts. The Inter Nos Oil and Development company has 420 acres of the very choicest oil producing land in the above districts, where this company will commence operations at once, this policy being of sound business principles, which assures the purchaser of their stock a good and practically safe investment. The personnel of this company is composed of representative citizens and stands second to none. They have selected Messrs. Brust and Byrne as their general agents, who are authorized to sell a limited number of shares at 25. The above proposition will be investigated. The directorate is composed of the following gentlemen: McNunan; president; M. L. Culver, secretary, Brust and Byrne, general agents.

O. B. Phelps, president of the Gray Gander Oil company, has come in from the field to their offices here, because of the absence of Secretary Abbott in the East.

For Sale or to Lease

Thousands of acres of No 1 OIL LAND in the

Kern River, McKittrick and Sunset Districts

including some of the very best Sunset properties.

James R. T. Mershon

Oil Land and Stockbroker. Rooms 537, 538, 539 Parrott Building

San Francisco, Cal.

Companies promoted and assisted in the raising of their development funds.

PROMOTER OF THE FOLLOWING COMPANIES.

The **Monarch Oil Co.** of Arizona, **Prudential Oil Company,** of Arizona, the **Lion Oil Co.**, of Arizona, the **J. S. Potts Oil Land and Development Co., Sunset Center Oil and Developing Company** of Arizona, **Vesuvius Oil Co.** of Arizona, and **Tiger Oil Co.** of Arizona all in the Sunset district. Kern county.

ATLAS PATENT PIPE WRENCH

A High Class Drop Forged Steel Tool.

Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eight of an inch wire to 4½ inch pipe. For sale by Hardware, Plumbing and Oil Well Supply Dealers.

ATLAS PIPE WRENCH CO. 51 Food Bldg San Francisco

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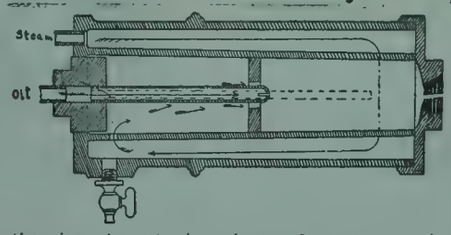
Pacific Coast Machinery Company

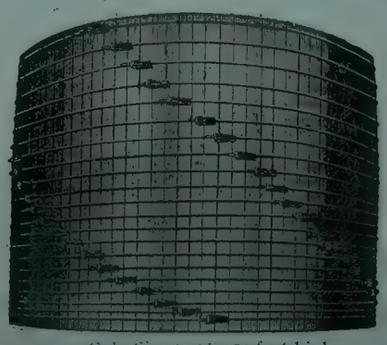


Dealers in Crude Petroleum for fuel and gas also manufactures of the Larkin Retort Oil Burner, unequalled for economy and ease of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economical equipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil business we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company. If you are thinking of using Crude Petroleum for fuel give us a call.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco

The Excelsior Adjustable Round Hoop Tanks

Are the **Cheapest Most Practical** AND **Satisfactory TANKS** In **Market for Storing OIL**



30,000 Gal. Size 20-2½x14 feet high.

For Prices address **The Excelsior Redwood Comp'y.**

Fourth and Channel Sts. San Francisco. Manuf'rs and dealers in Lumber and House Finish

C. A. HOOPER & CO., Agents

204 Front street, San Francisco, Cal

(Continued from page 13.)

drilling on the Pellissier tract in the local field.

A formation yielding a light gravity oil has been struck at a depth of 438 feet in the Los Angeles local field by the Congress Oil and Pipe Line company. Its thickness has not yet been determined.

In the neighborhood of the Palms the New Mexico Oil company has a well down 593 feet with good indications.

The Rodeo Oil company has got rid of the water and it is estimated that their well is pumping forty barrels.

On the Weid tract, the Oscar Bonner well No. 1 is reported as a three-barrel well.

The Los Angeles City Oil company is down 1300 feet with its well No. 2.

On the Garnier tract west of Western avenue, William Rily has obtained the right to drill on 160 acres.

Near the Los Angeles Oil company's well is a new derrick belonging to Graves and company.

The B. B. Oil company in the local field has three completed wells and four drilling.

In the East Whittier district the New England Oil company's well is down a thousand feet but no oil.

One thousand feet is the depth attained by the Raymond Oil company on section 25, near Whittier.

One of the new O'Donnell underreamers is to be used on the El Moro well near Whittier, which is now down 800 feet.

The Safe Oil company of Newhall has purchased and taken away the rig of the International, which was not successful in its operations around Whittier. The land has been leased to the Railway Postal Clerk's company.

The Fidelity Oil company has a showing of oil in its well No. 4, at a depth of 300 feet. This is different from the formation found in the other wells in the neighborhood of Whittier.

ORANGE.

The Union Oil company is spudding on well 14.

The Brea Canyon company has put well 6 on the pump and finds it a good producer.

The Fullerton Oil company has up another derrick and will begin drilling next week.

The Brea Canyon Oil company has up another rig and the Union has up two new rigs in the canyon.

The Santa Fe is building the rig for No. 9 and has the grades made for 23 and 24 and the places located for 25 and 26.

The Fullerton Consolidated has a rig up for No. 7. No. 5 is down 1000 feet in good oil sand and supplies enough gas to run the engines.

The Fullerton Consolidated has struck oil in its last well. Well 3 is pumping about eighty barrels daily. No. 1 is producing about 100 barrels.

The Lexington Oil company has secured 450 acres in the Fullerton field and will begin drilling soon. The land is in Santa Fe district.

The Western Star Oil company is down 200 feet in their first well on the Garzida tract in the Puente hills and have a good showing for oil.

The Santa Fe is working on well 22. This well is expected to be a fine producer as it is only about 100 feet from Hall's No. 1—the great gusher and flowing well.

The Puente Oil company lost the tools in well No. 5, but recovered them in a short time. The company is drilling two other wells and reports good oil sand

They will soon bore for oil one mile north and one-half mile east of the old Liberty well. There are very good surface indications for oil on the land selected for the Chino's second well.

The Santa Fe will begin drilling ten new wells at once; the machinery is on the way here now. About forty new men will be employed on these wells. Several extra hands have already been employed to do the grading and rig building.

Columbia's No. 7 is pumping sixty barrels regularly. No. 9 is down 550 feet; No. 1250 feet; No. 10, 500, and are all good wells. Rigs are being built for No. 11 and No. 2 on the Hardison tract. No. 6 has to be cleaned.

A visitor to the Fullerton Consolidated plant reports that the company owns a well which is now producing fifty barrels a day in spite of the fact that the casing has not been perforated. What it will do when perforated remains to be seen.

The derrick of Graham and Loftus well 10 burned to the ground Sunday morning. No. 1 was working at the time and as there was no gas or fire no one knowns how it caught. This well is down 700 feet and is in good oil sand. The rig will be rebuilt at once.

Owing to the heavy output of gas at the Columbia company's wells a light or fire is very dangerous. Several men have been burned and they are arranging to put in a private electric light plant which will furnish steam to run the plant and all the wells will be lighted by electricity.

The report that the Chino Oil company is abandoning its well is without foundation. The company has struck water but it has been cased off. The oil seepages that have been struck makes the well good for ten barrels daily.

SANTA BARBARA.

No. 32 of the Sunset was finished Saturday at 427 feet.

John French has started prospecting on the Curtis Wilkins lease at Carpinteria, and is down 110 feet.

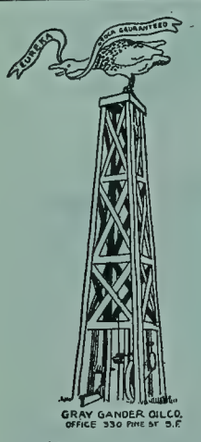
The new 500-barrel cooking tank belonging to the Sunset at Summerland has been set up and Foreman Younce is engaged in putting in the steam connections.

The sixty-barrel well of the Duquesne Oil company at Summerland is increasing its output, and is now reported to be doing eighty-one barrels.

The Gaviota Oil company, drilling west of Summerland, has commenced spudding on its second well.

Three new wells are to be drilled a once on the wharf of the Santa Barbara Oil company at Summerland.

Electricity has been successfully used



GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable.

2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated,

E. D. COOLEY, President,
W. B. BURROWS, Secretary

Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; par value $1 each, Treasury stock 100,000 shares; sold with guarantee for development purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President.....J. L. DOBLE
Secretary.....G. F. ABBOTT

Write or call at office 330 Pine street rooms 44 and 45, for special inducements for short time

for pumping in the Summerland field by the Seaside Oil company for the past six months. This company is now putting in a new fifty horse-power engine and boiler

TULARE.

The Buena Vista Oil and Exploration company, located less than a mile from the Esperanza company, began drilling on the 11th inst. with one of the latest rotary drills. Within four hours after starting they were down 203 feet and by Tuesday had attained a depth of 801 feet, when a break in the engine compelled them to shut down temporarily.

VENTURA.

The Kellerman well, north of the town of Piru, has struck evidences of oil in its second hole.

The Crown King Oil company has got down 100 feet in its well north of the Ramona tract.

The Western Slope Oil company, east of the Sespe canyon, is building a rig on its property.

O. A. Ivers has four wells completed near the mouth of the Sespe canyon and is drilling on the fifth.

The Searchlight Oil company has a rig up ready to begin work, south of the Sespe Canyon company's property.

The Central-Union Oil company's well near Barsdale in Ventura county, is now down 400 feet. The Erie, directly west from this, has had trouble with a cave-in

Grading the roads to the property of the Sespe Canyon Oil company is nearly completed and the first will be drilled as soon as the lumber and tools can be put on the ground.

The Ramona Oil company has finished up its first well, near Fillmore, as a water well and is securing enough water for development purposes. No. 2 is now down 600 feet in 7½ casing and lately has struck an oil stratum, which improves the prospects of getting a well a a lower depth

Asphalt Factory in South.

The factory of the Globe Asphalt company, located at Obispo, near Long Beach, Los Angeles county, has completed their run on asphalt manufacture for the season, as this material can only be used for paving in the eastern cities in the summertime, on account of interruptions to work from snow and frost. They will begin their manufacturing again in February when they will commence to fill their contracts amounting to over eight thousand tons or about seventy-five thousand barrels.

In connection with this company the Sunset Oil Refinery company in the same locality is ready to begin refining the crude oil of this state into gasoline, distillate, and oil for illuminating and lubricating purposes. This company has now a capacity of twelve hundred barrels per day of crude oil, and will add eight more stills and other apparatus, until they can about double the present amount of output. The pay-roll carries about thirty men and the company pays out to one railroad about $25,000 a year in freight charges.

Kern Field Going North.

The Edgar Oil company, operating on 18, 28-28, to the extreme north, has opened up the field in another direction. The Edgar company well was 1100 feet deep last Saturday when a rich sand was tapped, the drill going into for twenty-five feet. It seems now beyond question that the company has struck a good well. This location is a mile or more in advance of present work.

W. FORGIE
Manufacturer
OIL & GAS WELL
RIG IRONS
Sand Reels, Cants Arms and Pins. The Original Tool Wrench ing Jack, the best and cheapest on the market.

For prices, etc., inquire of
D. HOOKER Los Angeles, Cal., W. FORGIE, Washington, Pa

LINCOLN OIL COMPANY

J. H. EDSON, Secretary and Manager

Central Bank Building, = = Oakland, Cal.

Expert's Report.

San Francisco, Cal., Sept. 25, 1900
The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 7, township 28 south, range 28 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party last week. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. The next will sell for twice that amount.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PAPROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COLEY, President,
W. B. BURROWS, Secretary.

OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building, San Francisco. Telephone, South 795. Shares 25 cents. Raised December 1st to 50 cents. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATION CO.
Capital.....$200,000
20,000 shares at $10
Location. Ventura county. 150 acres two miles south of Buckhorn.
Officers- Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president: W I Pixley. 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary: H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital.....$200,000
Locaion, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer; P. B. Nagle attorney.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital $500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Bruguiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital. .....1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization.....$2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east, M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 149 Crocker Bldg., San Francisco.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, J. C. B. Hebbard, Chas J. Heggerty, Chas. A. Lee, John C. McElroy.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location, N ½ of NE ¼, S 28 T 28, R 28 E, Kern Kiver District; NE ¼ S 12, T 27, R 26 E, Poso District, Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par

EQUITABLE OIL CO.
Capital..... .....$500,000
100,000 shares at $5.
Location: Kern county: Southwest ¼ of section township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer, Germania Loan & Trust Company. Directors--John P Albro, A J Munton, T A Shepard, S D Miner, Capt E F Whitney, Frank Du Bois. Office 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street.San Francisco.

GUINDA OIL COMPANY.
Capital.....$20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34, township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

GRAND PACIFIC OIL CO.
Capital..... $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL, LAND AND DEV. COMPANY
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LION OIL COMPANY. Incrporated under the laws of Arizona. Capitao$500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vise.president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spaeckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO.
Capital.....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, west, S B B and M, Sunset district.
Officers and Directors: W C Tighe, president; Joe Bancroft, vice-president; J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building, Madera, Cal.

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HERCULES OIL CO.
Capital $100,000,—— 100,000 shares at $1.00
Location SW¼ of section 4, township 23 S. R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Flagemann, Leo Porkwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital.....$400,000
400 000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union rust Comp any, treasurer and depository,
Office: Room 435 Parrott Building, S. F.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3, township 19 south, range 15 east, M D B and M ces, 552 Parrott building, San Francisco, Cal

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson-Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street, St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office--606 Hearst (Examiner) building, San Francisco.

ORIENTAL OIL COMPANY.
Capital.....$100,00
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county, Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager
Office. Room 506 Pa rott Bldg., San Fra n cisco

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

PETROLEUM CENTER OIL CO
Capital.....$500,000
500.000 shares at $1.00
Officers—William Johnson, president; H Van Bergen, vice-president and treasurer, G S Clark, secretary. William Johnson, H Van Bergen, S Richmond, M J McGarry, J W Schaffer.
Office—Room 29, Third floor Mills, building.
Location: Kern county. 640 acres in section 8, township 28 south, range 28 east, 20 acres in the SE¼ of section 28, same township and range, and 80 acres in the W½ of the N¼ of section 13, township 29 south, range 28 east, and 40 acres in the SE¼ of the SE¼ of section 24, township 28 south, range 27 east. Total, 780 acres.
Los Angeles office, 30 Bryson block. M J McGarry Agent

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco, Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000, Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr. J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices, 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkliug, president; Allen Brant, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SALINAS OIL COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares, 1,000,000. Land, 2000 acres in Monterey county. Officers and Directors—President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, W N McCarthy; secretary, J B Olsen, San Francisco; attorney, Hon Eugene F Bert, San Francisco. Office—Room 584 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each, 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Treasury stock at 18 cents.
Officers and Directors—R S Aston, president; J W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THREE STATES OIL CO. Limited.
Capital.....$1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt, Hon E P Colgan, I N Pattison, M F Levy.
Office—612 Examiner Building.

U. S. OIL AND MINING CO.
Capital.....$300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Be a gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th stre t, Bakersfield, Cal.

THE RAVEN OIL COMPANY.
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Location 160 50/100 acres in south half of south half of south half, section 6, 29-29 and lots 1, 2 3 and 4 containing 201 acres, same section, Kern River district. Officers—Hon. John R Aitken president, C H Congdon, vice-president, C H Quincy secretary, D G Overall, superintendent, Paul V Finch, Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

YOSEMITE OIL COMPANY
Capital..... $200,000
100,000 shares at $2.00
5032 acres located in Kern River, McKittrick and Colinga Oil District.
Officers: A B Capp, President, H G Stabb vice president, W W Cannon secretary, W F Beck Treasurer, Crocker-Woolworth Bank, depository.
Directors, Jas G Maguire, J F Sheehan Judson Davis, O E Hotchkiss.
Office—Room 23 Crocker Bldg., San Francisco.

YOUKEN CRUDE OIL CO.
Capital..... $250,000
100,000 shares at $2.50
Location, Los Angeles county.
Officers and directors: Henry J Crocker president, Wendell Easton, vice president, W S Armstrong, secretary, J L Rathbone, E W Runyon, C S Benedict, Geo Easton Jno F Merrill, F W Sumner and Geo W Henderson.
Office 638 Market street, San Francisco.

WILD GOOSE OIL CO.
Capital..... $500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger president, A F Coffin vice-president, H C Tilden, R L Dow, N H Eaton L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671.

OCCIDENTAL OIL CO OF WEST VIRGINIA.
Capital stock 600,000 shares ...par value, $1.00.
Officers: Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal.

OCCIDENTAL OIL COMPANR OF WEST VIRGINIA.
Capitpl stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
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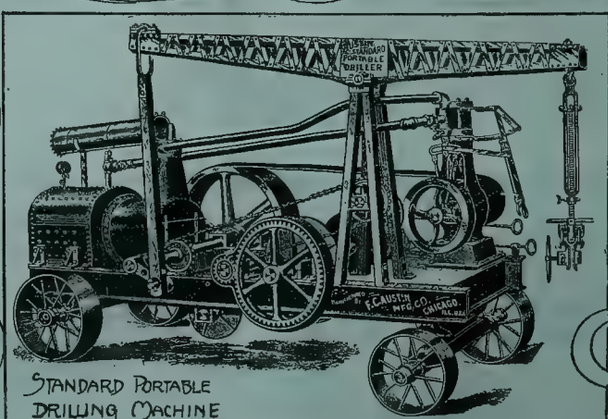

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VOLUME 2 NUMBER 4

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, NOV. 30, 1900

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COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R. F. MORTON C.E.

Scale of Chains — Scale of Miles

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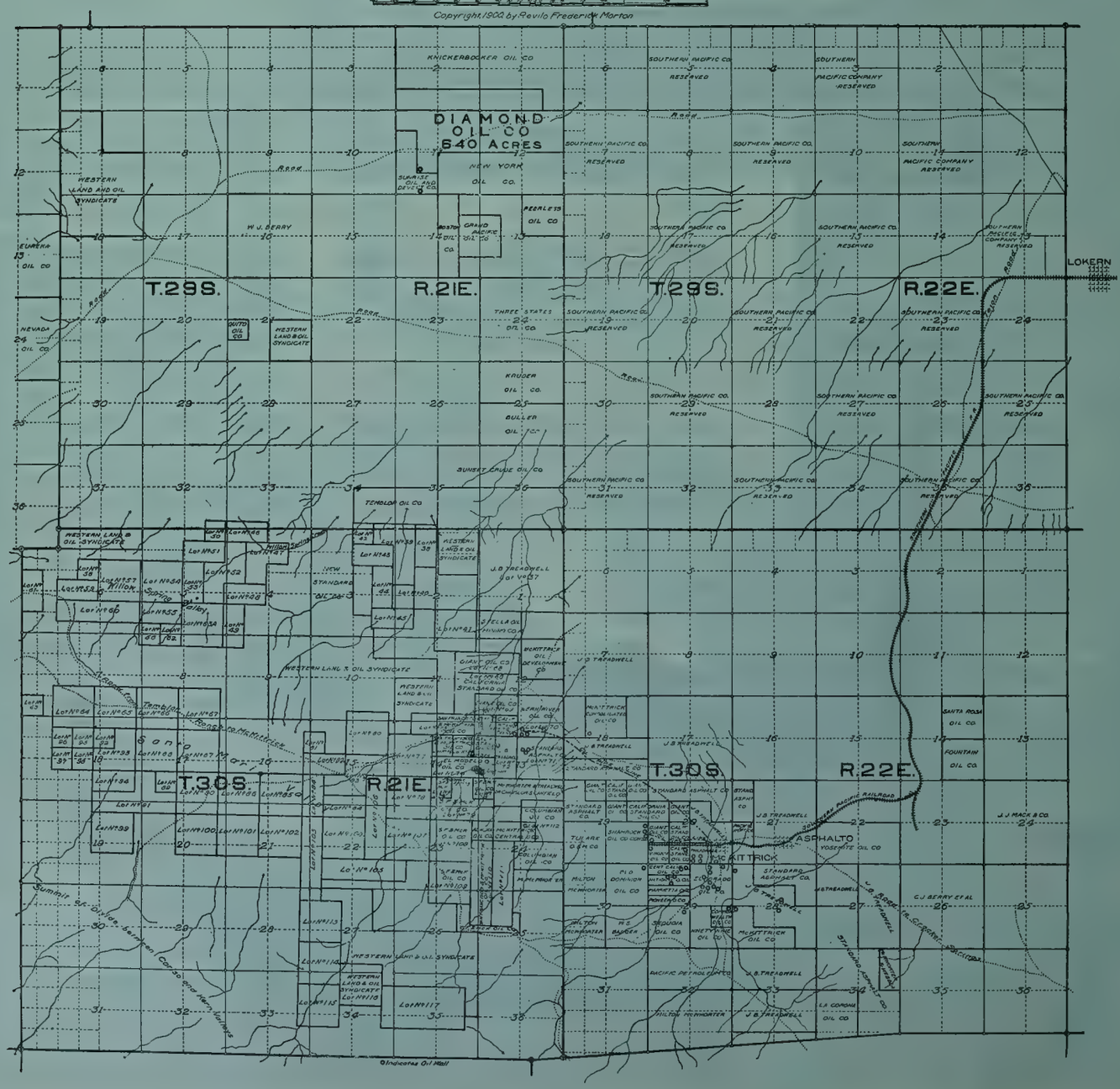


PACIFIC OIL REPORTER

VOL. 2, NO. 4 SAN FRANCISCO, CAL., FRIDAY, NOVEMBER 30 1900. PRICE, TEN CENTS.

A NEW PRANK OF NATURE.

OIL-BEARING SANDSTONE SQUEEZED UPWARD A THOUSAND FEET THROUGH FISSURES, REVEALING WHAT IS BELOW.

A new geological phenomenon has been found and studied by State Mineralogist Cooper in certain oil fields, and it is one of great interest, not only to geologists, but to intelligent oil men generally. It happened some millions of years ago, but is new in the sense that it has never, so far as known, been noted anywhere in the world by geologists or been mentioned in any former contribution to the literature of that science.

This newly reported phenomenon is the intrusion of bituminous sandstones upward into fissured shales. In position these intrusions resemble dykes of igneous rocks, which have been formed by molten material from below filling fissures in overlying formations, but in the case of these sandstone intrusions the underlying strata of bituminous sands have simply been forced by titanic pressure upward into fissures in overlying strata, often from a depth of a thousand feet.

Rock intrusions are very familiar phenomena, but this is the first time that intrusions of sandstone have been noted, and for various reasons they are remarkable and of peculiar interest. In these cases cracks were formed in beds of shale as they were uplifted, tilted, or folded, and the same force simply squeezed the sandstones upward into the cracks.

Now sandstone is not material that is often squeezed into cracks to putty them up and in these cases it was possible only because the sandstones were bituminized and so given a degree of plasticity. Being plastic they were in a condition to so obey the tremendous forces that were exerted on them. When

broken themselves, they remained a homogeneous mass and where fissures above them opened they crept upward through the fissures, the process being also favored by the lubrication afforded by the petroleum. Nature formed molds in harder rocks, greased them and filled them with sandstones just to show Californians what she could do if she tried.

Accordingly to the verbal account by Mr. Cooper, upon which this article is b sed, these intrusions range in thickness from forty feet to that of a knife blade. They transgress the shales generally at right angles to the plane of bedding. They have been observed chiefly along a few miles of the coast of Santa Cruz county, where the strata are exposed in an interesting way and present opportunities for interesting studies, and also to a less extent in Santa Barbara county. An accompanying drawing illustrates in an ideal way one of these intrusions. They, however, generally branch in all directions following the original breaks, showing here great masses and there being extremely thin. As these semi-plastic sandstones were thus forced upward they retained a high degree of hardness and so the shales show a slight turning upward along the walls of the fissures. Another phenomenon, also evidencing the tremendous force which nature used at the time, is illustrated in the accompanying ideal drawing. When the top of the hard shale bed was reached, if the superincumbent bed of detritus or other formation was not too thick and so too heavy,

An Intrusion of Bituminous Sandstone that has Weathered Faster than Its Walls of Shales.

the aspiring sandstones lifted this superincumbent bed and forced its way for a little distance horizontally under it.

These intrusions have been so far generally observed to occur near the apex of a gentle anticline, showing that the anticlines were more fissured on the top than along the sides. Mr. Cooper states that the geological evidences show that these intruding sands came from a depth of about 1000 feet.

Another interesting feature has resulted from the relative hardness of the intrusions and the shales they entered. When the sandstone carried a high percentage of bitumen, the latter hardened and so indurated the sandstone, making it harder than the shale. Then where denudation occurred the shale was worn away more rapidly than the intruding formation, letting the latter protrude as a quartz vein so often does.

In other cases the shale was harder than the intrusion and so the latter wore away most rapidly, creating a ditch and baring the original walls of the fissure. The accompanying halftone shows such an occurrence. It shows an intrusion eight feet wide on Laguna creek seven miles northwest of Santa Cruz. The canal-like depression in the foreground and the darkened recess in the bluff were caused by the more rapid wearing away of the material filling the fissure. In places along the ocean shore such ditches run down the rocky bluff into the sea.

Along the Santa Cruz coast there are three terraces and these intrusions occur in the two lower terraces the lower one composing the bluffs. The geological evidences show two widely separated periods of intrusion.

Now for the practical significance of this phenomenon to the oil industry. That significance is great. Nature has thus served the petroleum miners of the twentieth century, A. D., by giving plain tips to smart men as to where she has buried oil sands and what is in them. It is a sort of ready-made prospecting begun at the bottom and finished at the top. They are "oil indications" not before studied by oil men. If bituminous sands are thus exposed in the stratified rocks at the surface with various plain evidences that they came from below upward, the certain deduction is that bituminized sands exist below, though they may nowhere outcrop and one may be certain that a drill sent downward would reach an oil sand at some point, whatever might be the amount of oil developed. As Mr. Cooper observes, "if you find intrusions of bituminized sand cutting through shales, it is conclusive proof that bituminized sand lies below the shale. So these intrusions are very important."

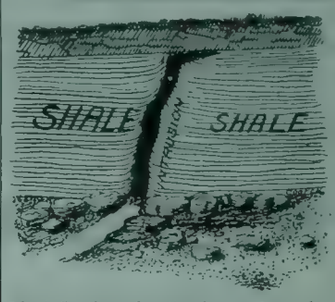
And here is another interesting and significant thing about these intrusions, pointed out by Mr. Cooper. As is well known, faults and fissures in oil yielding formations in California have often allowed the escape of petroleum accumulated in strata thus opened to drainage. But in the cases in which these intrusions have occurred this plastic sandstone has rushed into the fissures as they were opened and sealed them up so that very little oil could escape and so effectively was the sealing done that there was left no chance for the gradual evaporation of the most volatile elements of the oil below. An impervious cover to a confined store of oil is necessary to the preservation of that store and in these cases nature promptly mended the cover as quickly as it was cracked.

North of Los Alamos, in Santa Barbara county, there is a great quaquaversal or dome, composed, at the exposed surface of the apex, of shales. Across this apex a gulch has been carved and in the floor and sides of this gulch such intrusions of bituminized sand were some some time ago observed by Mr. Cooper. There were nowhere any other evidences of the existence of underlying oil sands, but their presence was thus proved to Mr Cooper's mind and on this evidence he recommended a location for a prospect-well.

Mr. Cooper has made another discovery of peculiar interest during his geological studies in Santa Cruz county. It is also new to the science.

"Concretions" are familiar things. They occur in all unaltered rocks and consist of concentric layers of mineral substance deposited around a nucleus by the action of water carrying mineral in solution. The nucleus is generally a shell, stone, etc. and usually a little water has become hermetically sealed up with the nucleus remaining there during the flight of ages. When these concretions are heated they explode, because the water is changed to steam.

Mr. Cooper's discovery is that of numerous such concretions in the shales composing the bluffs of the Santa Cruz shore, varying in diameter from six inches to three feet, and often connected by a line of gypsum, but having a bituminous nucleus. This is the first time that concretions with a nucleus of petroleum have been observed. These concretions carry a little oil at the center instead of water and the oil being hermetically sealed is found as limpid as when confined. Now these concretions explode when heated, just as the old-style sort do when their drops of water get over the fire, but in this case it is the oil that does the work. These natural stone oil tanks blow up as other tanks do when fire gets around. They are natural petroleum bombs.



Ideal Section of a Sandstone Intrusion,

There is a great deal to be learned about California petroleum and the field is a deeply interesting one to the scientist as well as to others. These contributions to the science of the industry by Mr. Cooper are notable ones, especially the one first described, and will add to his high reputation as a worker in this field. Reports on these discoveries will be made in time by him in Eastern publications of rank.

Scarcity of Coal.

Only four coal cargoes have arrived here from Newcastle, N. S. W., between the sailings of the Alameda and that of the Mariposa, and not over five more, with a capacity of 14,000 tons, are expected before December 31st. There has been a continuous shrinkage of coal freights within the past three months, and the Australian collieries have made engagements ahead, of from three months to a year, so that ships are delayed and owners are unwilling to fix charters. It is expected that if the present lively demand continues, there will be much variation in coal prices next year. The mines of the Coast have kept up the supply, although transportation has been scarce here also, and the shortage is made up by the use of fuel oil, which is being employed in some of the largest manufacturing establishments, and a marked saving in cost has been thereby effected. High prices wil prevail for coal during this winter for all purposes.

HANDLING THE SAND.

Success in Using Hydraulic Process at McKittrick.

The Giant Oil Co., under the supervision of J. E. Breitweiser, recently hydraulicked out well No. 2, and began to bail oil out of her Oct. 23rd. The well had not been clean to the bottom since it was finished, and has been closed to the escape of gas for months. There was a quicksand strata in the well, and like nearly all of the wells in the McKittrick neighborhood, the casing had openings in various places letting in stone nearly six inches across. These stones could not be removed by the hydraulic process, but their being in the well was due to an improper, or what State Mineralogist Cooper terms "brutish" method of handling the casing, now becoming out of date. It was not expected that much good could be done this well on account of poor machinery and bailing apparatus, but the Giant, which has been examined once an hour, is improving every day, and for over a week has flowed fully one-third of the time, and bailed large amounts the rest. From the record kept of the pipe line, shipments before and after October 23, the date of hydraulicking, the following data are given, the total amount being considered 100 per cent:

From May 24 to Oct. 24, 150 days - - - 37 per cent
From Oct. 26 to Nov. 18, 22 days - - - 63 per cent
100 per cent

The above was taken from the same well by the same workmen, notwithstanding the fact that most wells produce best when first finished, and in the opinion of Mr. Breitweiser, this clearly establishes the fact that the remarkable increase in production was clearly due to hydraulicking, although many oil men are unwilling to admit its efficiency.

Similar operations have been going on at the Kern River Co.'s well No. 2 in the McKittrick District. This is the well which was represented in a large view on the first page of the REPORTER, in its issue of Nov. 16, and when the picture was taken had been opened for the first time but a few days. Since the photo was taken the well has thrown out immense quantities of oil and fine sand, so that at the present time these materials have overspread the entire hill, which appears in picture as covered with sagebrush, and recently stood six inches deep after the oil had been flowing continuously all night on a rainsoaked soil. It could not settle on the wet ground, and ran slowly down the hill in a foaming black mass.

The well was hydraulicked on Nov. 6, and a close examination of the picture will show the hydraulic box used for this purpose at the foot of the derrick. The lengths of three-inch hydraulic pipe appear standing in the corner of the derrick, and the projecting boards form the platform upon which the workmen stand in letting the pipe into the holes. The derrick in the background is Kern River No. 5, which will be drilled with a combination rig and is expected to be a very large producer.

Several other companies are pushing active operations in the neighborhood of McKittrick. The McKittrick Consolidated are putting down two new wells, having drilled in their first and struck the same sand that the Giant and Kern River have done. The McKittrick Oil company has also landed their first in this sand, and the Pacific Crude, mentioned in our last issue, had a flowing well for several hours after perforation.

Mr. Breitweiser is of the opinion that casing should not be cut, as he thinks that it does not improve the wells for pumping and spoiled them for any other method of handling. He recently visited the Kern River field with a party, all of whom were convinced that the majority of the Kern River wells, if not the entire number, could have been made to flow by the same process of hydraulicking used successfully in the McKittrick wells. They have the same gas pressure, the same heaving sand to stop them up, and a heavier and more tenacious oil, so that they should flow with more regularity and less pressure than in the McKittrick field, and they would do so if properly handled, for even at the latter place, with its lighter oil, there are wells which are plugged and do not flow at the present time. Mr. Breitweiser states that none of the McKittrick wells flowed for more than a few minutes at a time, and very few times at that, when handled in the old way. From this point of view, one objectionable feature of the Kern River field is that the wells are nearly all spoiled by the alleged economy of cutting off the casing from the bottom up at each size, and by this means the hole when filled becomes an inverted cone of oil

THE SOVEREIGN

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The Sovereign is under the same management as the Sterling Oil and Development Company. I property is proven oil land in the Kern River Oil district, and drilling will commence at once. Four derricks have been erected and two Standard drilling rigs are now being put into position for the drilling of wells, the first of which will be within 100 feet of the producing wells of the Peerless Oil Company, and south of those of the Sterling Oil and Development Company.

Orders for this treasury stock will be filled in rotation of the receipt of orders, the company reserving the right to cancel this offer without notice. Maps of Kern River Oil District and Prospectus of the Sovereign Oil Company are free for the asking.

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Well Nos. 1 and 2 Are Now Being Drilled.

increasing from 5⅝ inches at the bottom to 11⅝ inches at the top, which the gas pressure applied to a small surface at the bottom is not sufficient to raise, for reasons readily understood by anyone familiar with the laws of pressure applied to liquids. Certainly no more gas comes out at the top than can get in at the bottom. In addition to this Mr. Breitweiser goes on to say that these wells cannot be cleaned by the hydraulic process, the only one possible in such cases, nor can they be drilled out by the old process, because the drill would catch on the ends of the casing. Occasionally stirring up with the bailer, such as is done at McKittrick, will not keep them flowing, for the reason that the hole is not the same size all the way down, and the only thing left is to continue pumping them until they fill up and are practically done for. In his opinion nine out of ten of the wells in the Kern River district, if provided with a straight string of either 7⅝ or 5⅝ casing, a hydraulic cleaning outfit and a well-disciplined crew on the bailer, could be made to flow like those at McKittrick, and if this is done the production would be increased tenfold.

A GOOD BARGAIN.

How the Great Turner Gusher Figured in a Horse Trade.

Newton Turner, on whose farm the famous Lewis county, West Va., gusher was drilled, good for 100 barrels an hour, purchased his farm from Andy Edmiston, a local politician, who thought when he let go of 55 acres on Spring creek for a horse and a few dollars in cash that he had made a good trade. Mr. Edmiston owned the farm, and Dr. M. S. Holt, another Weston politician, owned 45 acres of an adjoining farm. Only a few years ago they tried to dispose of this land, which they regarded as practically worthless. They could not find a purchaser for a long time and when Edmiston was offered a fair country horse and a few dollars to boot, he jumped at the chance and accepted it. Dr. Holt jumped at a similar offer and traded off the most valuable oil land in the State for a horse. The farm which Mr. Edmiston sold for a horse now nets the owner in royalty about a thousand dollars a day and only the first well is completed. The owner's net royalty is not so large as that either, for he disposed of some of it. Before the Copley gusher came in Mr. Turner sold to J. M. Foster, prosecuting attorney of Lewis county, a one-sixteenth interest in his royalty for $100. When the Copley well came 1,300 feet away from the new well, Foster sold half his interest in the royalty on the Turner farm to Mrs. A. H. Kunst for $5,000. Five acres adjoining the Copley and Turner tracts was sold a year or two ago to Dave McCray, its present owner, for $10 and a cow.

The town which has sprung up near the Copley well is now called Tanktown, because of the number of tanks erected there. There are about 100 tanks there running up to 1,200 barrels capacity. It is estimated that fully 100,000 barrels of oil were wasted when the Copley well came in by reason of not having sufficient tankage. The oil was dammed up for three miles and an effort was made to pump it into the pipes, but it was impracticable as the sand threatened to stop up the pipes so it was abandoned.

The increase in railroad shipments from the Kern River field indicates a healthy growth. When the spur was first laid from Bakersfield to the oil field the oil shipments, which then included some accumulated stocks, amounted to twenty carloads a day. Now the train runs in two sections and carries from forty-five to fifty cars a day.

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Lands surrounded by wells for sale or to lease for immediate development.

Agents wanted throughout the State.

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The organizers of the Famosa Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

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HUMBOLDT COUNTY.

Observations in the Coming Mining Bureau Bulletin.

Humboldt county has for a generation been generally looked upon as an oil field of great promise owing to the numerous oil seepages and other surface indications and to the high quality of the oil which is higher than any other California oils. It holds a higher percentage of paraffine and would probably net higher returns, if found in quantity, than oil from any other field.

Many wells have been drilled in the past and a number are now going down, but oil in paying quantities has never been found, though it undoubtedly will be in the future. One trouble is that less is known of the geological and other conditions of the field than of any other in the state.

The forthcoming bulletin on California oil fields by W. L. Watts, now in the hands of the State Printer, contains a chapter on this county by F. M. Anderson, a graduate student of geology at the University of California. He briefly reviews the long attempts to develop oil there and devotes considerable space to a consideration of what little is known of the geological conditions. The most significant of his statements are the ones that the oil-bearing formations are much faulted and that prospect wells have so far been drilled close to seepages which indicate the presence of faults through which the oil has escaped. One peculiarity of this field is that the oil has a paraffine base and little asphalt, so that the strata are not sealed up near the surface by accumulations of asphaltic residues as in other fields, but the oil freely escapes until the store is practically exhausted. The natural deduction is that wells drilled away from seepages would be more promising if enough was known of the geological conditions to guide the location of wells with fair prospect of success. The following extracts indicate the scope of Mr. Anderson's paper:

"The existence of oil in Humboldt county has been known from an early date. A full account of the attempts made here in 1865-67 will be found in the VIIth report of the State Mineralogist. According to the author, Mr. Adolph H. Weber, no less than twenty-five wells were sunk at that date, but the total amount of oil produced by any of them did not exceed 100 barrels, which was the quantity taken from the Union well on the North Fork of the Mattole river. The abandonment of these prospects at that date was said to be largely due to the views held at the Land Office regarding location of these lands.

"A feebler effort was made in 1892-93 but little or no success was attained for reasons that will appear later. A third and more promising effort has been more recently made and is now in active progress. During the spring and summer of 1900 no less than six companies began operations in southwestern Humboldt county in search of oil.

"The true extent of the territory in Humboldt county that might be classed as oil lands is very vaguely known. At present the chief district is that of the Mattole valley. Promising indications have been recognized along the Bear river, at Oil Creek, Ferndale, Scotia and Eureka. In fact, much of the southwestern portion of the county is known to be underlaid by more or less bituminous strata. This belt extends along the southern coast of the county for a distance of 60 miles or more, and with an average width of 12 or 15 miles."

In its structural features the the district is characterized by much faulting oil indications in the form of seepages and vents of hydrocarbon gases are numerous and appear along two or three well marked "oil lines." These oil lines appear to agee with the principal fault lines. Most if not all the wells thus far sunk are near seepages and so along the lines of faulting. The writer points out that where vents have been made by faulting or otherwise the oils in their vicinity have been largely drained.

"A better location would be at a point removed from such faulting. It is possible if not probable that paying quantities of oil have not yet been reached only because wells have so far been sunk in exhausted portions of the field. Similar observations have been recorded for other districts of California in past years. * * * On the whole, it may be truthfully said that the best success in reaching oil in this district in commercial quantities will be attained by the employment of some one able to interpret the indications and the structure of the country correctly, for the purpose of making a detailed report upon it."

"From what has been said," the writer observes again, "the apparent promise of this district may be inferred. The presence of oil cannot, of course be doubted, but it yet remains to be demonstrated whether it can be found in paying quantities. No attempt has yet been made to ascertain the facts available to a scientific search in answer to this question. As usual, prospecting has been carried on without any study of the field by a geologist competent to give direction."

It is commonly believed that the oil-bearing strata are mainly of close grained sandstone, often quite hard, and existing in comparatively thin beds, a condition not favorable to accumulation of oil in large quantities. The oil is of a superior quality, light and of a high gravity and containing a higher percentage of paraffine and a smaller percentage of asphalt bases than oils from other districts in California.

Mr. Anderson's interesting paper is thus necessarily a summary of the superficial geological facts known, the prospecting operations of the present and past and the need of a careful study of the district that prospecting may be more intelligently guided.

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It is admitting to membership only those companies whose affairs can pass the rigid examination which is compelled by the Association. This examination is made by the attorneys of the law department, Hon. G. W. Baker and Edward H. Stearns, and by the membership committee of the board of directors.

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Eastern and Foreign correspondents.

A SCIENTIFIC VIEW.

Some of Mr. Watts' Opinions of the San Joaquin Field.

The bulletin of Mr. Watts, the State oil expert, has not yet been bublished, but some extracts from it recently appeared in the Mining and Scientific Press. In speaking of the San Joaquin Valley Districts he says that the Neocene formations on the eastern side of the valley are much less disturbed than those on the western side. On the eastern side they are usually inclined at a very slight angle.generally less that 15° while on the western side the inclination is seldom less than 20° and sometimes as high as 70°. The reason of this is that the earth movement which so greatly disturbed the rocks of the coast ranges at the close of the of the Neocene period affected but slightly the Neocene formations in the foothills of the Sierras. The development of the remunerative oil field at Kern River, on the eastern side of the San Joaquin valley, where the formations are so slightly disturbed, warrants the assumption that other localities may be found where oil-yielding rocks which have been subjected to but very little disturbance form a wide and extensive oil line. The place to look for such conditions is on the east side of the San Joaquin valley. A great drawback to prospecting on the lowermost foothills of the San Joaquin valley is alluvium, which to a great extent covers the Neocene formations. It is also possible that comparatively undisturbed Neocene formations may be found in the foothills of the Sierras to the south of the Tehachapi pass."

Discussing the Kern River oil field Mr. Watts says: "The Kern River oil field, as far as it has been developed, comprises an area of about twelve square miles, and is situated in township 28 south, range 27 and 28 east, and partly in township 29 south, range 28 east, M. D. M. Within this area in August. 1900, about 130 wells had been drilled and many others had been commenced. These wells are drilled in groups and some of the groups are nearly a mile apart. The depth of these wells varies from 450 feet to more than 1000 feet. The formation penetrated is, first, alluvium or drift, which in few places exceeds fifty feet in thickness; then a stratum of blue clay from twenty-five to 350 feet thick; beneath the blue clay is a water sand from ten feet to 100 feet in thickness; beneath the water and the formation consists of alternate strata of clay and sand. The well records show that most of these sands contain oil, and that in some instances they aggregate a thickness of more than 300 feet.

"It is a difficult matter to estimate the thickness of oil-sand strata in a well which is yielding oil especially when the formation is caving; but some of the operators in the Kern River field state that they have estimated the thickness of the oil-sand in their wells by carefully casing off all the strata as they went down, and that they found the oil sand to be more than 300 feet in thickness. It is unlikely that the oil sands in the Kern river oil field will prove of uniform thickness or uniformly saturated with petroleum; but the development at this date indicates that the Kern river oil field is the largest developed oil field in California.

"The owners of the wells in the Kern river fields state that their wells will produce from 40 barrels to more than 100 barrellsof oil a day. Owing to lack of transportation, there has not been a sufficiently continuous production to warrant a definite statement by the writer as to the yield of the wells in this field. The oil is a black oil, and it is said to have a gravity of from 14 deg. to 17 deg. B. Much running sand accompanies the oil. Some companies separate the sand from the oil by running both into a slump hole, where the sand settles; the oil is then pumped from the surface. Other operators pump the oil and sand into flumes furnished with riffles are from 4 to 8 inches in height. The flumes are from 80 to 300 feet in length, and the riffles are from 8 to 14 feet apart, according to the grade of the flume. In some instances the oil is of such gravity that it has to be steamed in the well before it can be pumped. In a general way, it may be said that there is very little gas in the Kern river oil field, although, in some instances, it is claimed that enough gas could be collected to supply fuel for steam purposes. The gas appears to be held in solution inn the oil and separates from it wheu brought to the surface.

"There are very few rock ex

(Continued on page 11.)

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State Mineralogist Prof. A. S. Cooper last week examined our property and reports to us in part as follows:

"I have examined that part of your property adjoining the bituminized sand deposit, and find that the axis of the San Antonio anticline passes through this property. That the shales constructing the anticline are highly bituminized. The axis and strike of the anticline runs S. 35 E. and N. 35 W. This anticline is made very conspicuous on account of the white leached shales. The northeast dip of the anticline are sandstone strata filled with viscous bitumen. Near the axis of the anticline the shales are highly silicated and are black in color,and this color is owing to the presence of bitumen when they were silicated. After they were silicified the shales were cracked and seamed each crack and seam, however minute, has been filled with ascending viscous bitumen. A large number of springs containing sulphurated and carbureted hydrogen are found near the apex of this anticline. Mineral waters nearly always accompany bituminous springs in California.

Judging by analogous conditions existing in other oil fields, and in consideration of the geological conditions described, it is probable that petroleum oil may be obtained through wells drilled in this district. It is almost a certainty that carbureted hydrogen will be obtained having a high pressure. (This means a flowing well).

"The property is easv of access. There is an abundance of wood and water on the ground to carry on the work of drilling and in the case of he construction of a pipe line the descent would be continuous to the railroad

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Mr. S. S. Simon, a successful expert and locator of wells, says: "The anticlines,shales,fossiliferous deposits, bituminous rock and other formations found upon this property, and which indicate the presence of oil, are the finest and most perfect of any in this state. I am satisfied this district will be found to be a lake of oil."

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J. M. Merrell.....Vice-President
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F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
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Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

P. S. No salaried officers in the Company. Only a competent secretary draws pay. Tel. South 740

Late Pacific Coast News.

LOS ANGELES.

Young and Johnson have completed a well on Newhall street.

No. 2 of the Union Petroleum company in the city field is down 350 feet with every indication of getting as good a well as No. 1, which is still doing twenty barrels a day. The first well was drilled 998 feet in thirteen days.

Rodeo No. 1, in the southwestern extension of the local field is showing up a good well. Drilling was discontinued at 785 feet and under the first day's work netted fifty barrels.

The Pico Oil company in the southwestern extension is meeting with a difficulty in buckled casing. It was found impossible to get a spear down so the men are at work now with a swedge.

Operating on its forty acres in the west side of the local field, the Cahuenga Oil company has maintained an output of fifty barrels a day with its well No. 1.

Clark and Sherman have two hundred acres west of the Rommel Oil company on the Santa Monica line and are now preparing to open it up as an oil property.

The Northern Fields

ALAMEDA.

The oil company named the Alameda, drilling near Livermore, has struck a flow of artesian water for the second time. Livermore valley is being visited by many oil men looking at prospects.

GLENN.

The Glenn Coal and Oil company has purchased the best boring machinery possible to get in the east and everything is on the ground and in readiness to go on with the work.

The Great Northern, also in Glenn county, will soon have machinery there and will be at work in ten days or less.

The Brisco Oil and Mineral company has located about sixteen hundred acres in Glenn county and will incorporate shortly.

MARIN.

A company called the Bolinas Bay Oil company has been organized to prospect for oil in that neighborhood, where oil can be seen floating on the surface of the water.

KINGS.

The Oceanic Oil company, that has been boring for oil in the Kettleman hills south at Huron, and has been laying off for several months, will resume boring.

MENDOCINO.

The Zenger oil well is now down to a depth of 400 feet and every additional foot improves the prospects.

YOLO.

Gas in large quantities and some indications of oil have been found on a property in the neighborhood of Guinda, and experts have been looking at the ground with a view of development.

add Kern

The Aztec Oil company is perforating its eighth well on 5, 29-28, and it shows no diminution in supply over its predecessors. No. 9 is now being drilled and a rig is being placed for No. 10.

The Sacramento has abandoned one hole and is pulling the casing from it This company has three wells completed and is drilling the fourth.

The Petroleum Development company has eighteen completed wells on section 3, 29-28, three on section 4 and one on section 2. No. 1, in section 18, is also finished. Six new wells are also being drilled on the sections named.

Personal

General F. V. Green at the head of the Trinidad Asphalt company and owner of property in Santa Barbara county, has been looking over the McKittrick field with a view of investment.

Dr. Stephen Bowers, the State Oil Expert, has been looking over the Newhall field.

The six years contract between the Puente Oil Company and the Chino Beet Sugar Factory, whereby the oil company furnished a stated amount of fuel to the factory, has just expired and been renewed for a term of three years.

The Chino factory has been using the residuum obtained by the refining from the distillation of its oil. The refinery is situated on the property immediately adjoining the sugar factory, and the crude oil is shipped by a pipeline from the field twenty miles distant. The refinery has a capacity of 200 barrels of refined petroleum a day. The output consists of illuminating oil of 120° fire test, gasoline 72° B., Benzine 58° B., and the residuum, which is superior to crud oil for fuel purposes.

Trouble Ahead

Word has come in that the scrippers are not thoroughly squelched by Judge Ross's decision, and that there will be a renewal of the attempts to locate oil lands along fresh lines. This is alleged to be the purpose of certain plats now being prepared and oil men have been cautioned to be on their guard. Owners have shown their belief in the authenticity of this report, to the extent of cautioning their men to look out for any attempt to put location notices on their derricks as in the past.

Stock Sales.

The following were the stock sales in the new Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, November 28:

CALIFORNIA STANDARD.		
1850 at	30	545 00
300 at	33	99 00
600 at	34	204 00
2000 at	35	700 00
2700 at	32	1184 00
CARIBOU.		
100 at	44	44 00
100 at	45	45 00
950 at	50	475 00
700 at	61	427 00
50 at	62	31 00
1000 at	60	600 00
200 at	58	116 00
FOUR OIL CO		
100 at	40	40 00
100 at	39	39 00
100 at	41	164 00
HANFORD.		
10 at	118 00	1180 00
12 at	115 00	1380 00
HANFORD-FRESNO-KERN RIVER.		
400 at	21	84 00
1400 at	20	280 00
HOMESTAKE.		
10 at	12	120 00
100 at	11	1100 00
HOME OIL.		
700 at	4 45	3115 00
INDEPENDENCE.		
125 at	22	27 50
875 at	22	192 50
625 at	22	137 50
1500 at	21	315 00
KERN OIL.		
125 at	9 00	1,105 00
KERN RIVER.		
20 at	18	360 00
20 at	17 25	345 00
LION.		
3200 at	41	1312 00
350 at	40	140 00
300 at	39	117 00
300 at	35	105 00
250 at	25	62 50
MONARCH OF ARIZONA.		
200 at	42	84 00
500 at	40	200 00
500 B-30	41	205 00
250 at	41	102 50
McKITTRICK CONSOLIDATED.		
500 at	8	1[illegible] 00
300 at	79	2[illegible]8 00
100 at	78	78 00
100 at	77	77 00
300 at	7[illegible]	21 00
1[illegible] at	68	714 00
400 at	68	272 00
100 at	68	68 00
100 at	67	67 00
100 at	66	66 00
1[illegible] at	65	6 50
500 at	60	300 00
350 at	58	102 50
MONTE CRISTO.		
500 at	1 45	725 00
100 at	1 37½	137 50
100 at	1 35	135 00
1000 at	1 40	1400 00
OIL CITY PET		
15 at	34 50	517 50
OCCIDENTAL OF W. VA.		
100 at	60	60 00
450 S-15	66	3[illegible] 00
300 at	66	168 00
450 at	62	279 00
2250 at	65	1462 50
PETROLEUM CENTER.		
2000 at	15	300 00
1300 at	16	208 00
100 at	17	17 00
7000 at	20	1200 00
800 at	30	240 00
300 at	28	84 00
2350 at	27	604 50
500 at	25	125 00
400 at	23	92 00
1000 at	19	190 00
3550 at	21	645 50
REX.		
300 at	35	246 00
20 at	80	160 00
REED CRUDE OIL.		
1300 at	50	650 00
100 at	61	51 00
STERLING.		
550 at	2 65	928 50
100 at	2 70	270 00
650 B-60 at	2 75	1787 50
100 at	2 70	270 00
100 at	2 60	260 00
50 at	2 55	127 50
SAN JOAQUIN		
155 at	9 37½	1453 10
55 at	9 50	807 50
185 at	9 25	1716 25
SHAMROCK		
200 at	1 10	220 00
TWENTY-EIGHT		
50 at	2 50	125 00
100 at	2 47½	247 50
100 B-30 at	2 50	250 0
550 at	2 50	1375 0
YUKON.		
100 at	57	57 00
2600 at	62	1612 00
600 at	55	390 00
3100 at	64	1984 00
100 at	70	70 00
Shares 61040	Amount	$45299 35

Frank DuBois

Will expert Oil Land for Cash and Promoters' stock. Thoroughly familiar with entire Oil Belt, from San Diego to Humboldt. Under my control some very valuable tracts of Oil Land in Sunset McKittrick and Kern River, that will offer good inducements on them, to reliable parties.
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Assisstant Secretary.
Hearst Building, San Francisco

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FRIDAY, NOVEMBER 30, 1900.

Must Have Better Rates

A meeting of the Petroleum Miner's Association was held at the Assembly Room in the Mills Building, on the 15th inst., and among a number of matters discussed the question of freight rates on crude oil was a matter which chiefly occupied the attention of those present. On this subject the feeling among those present was that the present freight rates were an injustice to oil men, and that in view of the present rapidly increasing production some steps should be taken to secure more favorable terms. A resolution to this effect was passed by the Association, and the following gentlemen have been appointed as a committee to wait upon the officials of the Southern Pacific Railroad to negotiate lower rates for the transportation of crude petroleum oil to points of consumption on their several lines:

Committee: Gen. W. H. H. Hart, Chairman; W. A. Jacobs, Mills Building; G. W. Terrill, Mills Building; Hon. E. D. Berri. 228 Powell St., City; C. A. Canfield, Los Angeles.

What the Oil Men Want.

The principal ground of objection is that the charge on oil is out of all proportion to the value of the product and that when freight charges are paid there is nothing left for the producer. The present rate is 1 cent a gallon or 42 cents a barrel, from Bakersfield or Coalinga to San Francisco and bay points. From McKittrick and Oil City there is an additional charge of 3 1-3 cents a barrel, and from Oil Spur 4 2-3 cents a barrel is added. To Fresno and main line points north to Sacramento the rate is the same as to San Francisco. From Los Angeles to San Francisco it is 1 2-10 cents a gallon, and 2 cents from Bakersfield to Portland. From Whittier to Los Angeles the rate is 65 cents a ton and $1 a ton to the same point from Puente, and $1.25 from Summerland. The ton rates are based on 268 gallons to the ton.

Now if we consider that fuel oil is always a competitor of coal, at a ratio of four barrels of oil to one of coal, it is evident a favorable freight rate is absolutely necessary to allow the oil men to meet the competition and leave a reasonable rate of profit. Accordingly the California Petroleum Miners' Association, through its committee recently appointed, is to make an effort to secure a reduction in Bakersfield oil freights to 25 cents a barrel, or at least not more than 25 per cent of the value of the product laid down here. Certainly the oil men have a right to expect concessions in proportion to the rapidly increasing magnitude of their industry and the corresponding increase in business for the railroad and if no concessions are given they have the alternative of a short railroad to the coast and water transportation, as long as a great pipe line is not practicable.

Prices for Oil Land

Probably there have been few instances in the history of real estate transactions where there has been such a marked increase in land values as in the Kern River Field. The railroad company held their alternate sections in this district at $1.25 an acre until the oil discovery was apparent, when it was raised to $2.50 an acre, but it is probable that twenty-five cents an acre under the desert land law would be nearer its actual value and more in accordance with the price that could be got for the land, as it was too far above the level of the Kern river to be available for irrigation, and natural rainfall was too light to make it of any value for agriculture. A year is spent in developing the oil resources of the section. and then sales are reported at significant prices. The northeast quarter of section 8, lying on the very edge of the district, went for $16,000. People paid $3,500 an acre for eighteen acres in Sec. 26, 28-28 a short time ago. The San Joaquin has closed a contract made six months ago, when land values were much lower than they are now, by which it is to receive $87,000 for eighty acres in the southwest quarter of section 5, 29-28, realizing nearly $1,100 per acre, and a contemporary published in that locality intimates that present values are much higher. Probably no more remarkable rise in prices of desert land in so short a time has been recorded in California, even in the palmiest days of the orange boom.

Sunset District.

The Gypsy Queen Petroleum company, just beginning operations in the famous Sunset district in Kern county, has one of the best propositions to be found on the market today.

This company secured its land several months ago, before the great excitement in this district, and it now finds its property all situated in the heart of the producing district, being on the same formations and oil sands as the largest producing wells in the district. The derrick for their first well is in place and the work of placing their machinery is being rushed with all possible haste, and they expect to begin drilling very soon. Companies operating on lands adjoining all of the several holdings of the Gypsy Queen are now drilling with the best of indications and several rich strikes are expected in a very short time.

The Flashlight

"The new broom sweeps clean." The Flashlight will begin work next week on its property in the Oil City district. Buy the stock now while you can get it at twenty cents. F. M. PENINGER, Sec. Rooms 115-117, Phelan Bldg., S. F.

The Exchanges

In the oil industry, the stock phase arrests public attention more directly than any other. Oil men proper, producers, drillers and those connected with the production of oil, find greater interest in the news of some strike, the opening of a new territory or the unpresidented flow of some gusher Of late there has been a slight improvement in many of the securities listed on the Los Angeles Exchange. The record of the week's transactions shows on the whole, a slight advancement in most of the stronger securities. The decline of West Lake being the one noted movement in an adverse direction. Fullerton Consolidated, one of the popular stocks of this board has advanced within the past thirty days from 42 to 68 cents, the present quotation being 66 cents, and the knowing ones are looking for a further advance. The decline of West Lake stock was due to the failure of the new promoters of this corporation in trying to affect a pool of the out-standing stock. This failure threw upon the market thousands of shares, and there being but a limited market at best, the large volume of selling orders resulted in forcing the price down to 19¾ cents, the lowest point it has yet registered.

The stocks above named reached the two extremes of the market during the past week. The long list of intermediate securities while not showing any rise of any considerable extent, are nevertheless better than a week or so ago.

Oil Indications In San Benito.

For years it has been known, in a general way, that oil seepages were to be seen at various points, says a country paper. In township 16 is a natural flow of oil in such quantities that it has, for several years, been saved and used as fuel by parties living near the oil spring. A few years since a tunnel was excavated through a hill in the southern part of township 17. In this tunnel was found a thick deposit of sand which abounded in fossil shells and gave forth a strong odor of petroleum. In the bed of Silver creek the oil drips from the overhanging strata in such quantities that it gathers in little pools along the edge of the stream. There has been uncovered a strata of oil sand which was over ten feet in thickness, so rich in oil that every particle of the sand which fell into the stream was followed by a trail of oil along the surface of the water. This stream flows to the northward between high hills and there are for several miles down the stream oil croppings that are now partly covered by the caving banks of the stream.

These several natural outer croppings of oil sand form a semicircle whose diameter extends east and west for a distance of nine or ten miles, and whose radius sweeps around to the southward until it strikes the quicksilver formation in which the New Idria mines are located. The Union Oil wells have encountered oil in such quantities that it has been sold for fuel to neighboring companies which were boring for oil. On the county line between Fresno and San Benito counties, the Fresno Oil Company struck a flow of oil at a depth of ninety feet. These developments are located, one at the eastern end and one at the western end of the diameter above indicated, and the other near the southernmost portion of the arc of the circle, confirming the theory that this circuitous belt constitutes a true and valuable oil field.

The country rock consists of alternate layers of shale rock and oil bearing sand. The general dip or trend of the stratification is towards the west or southwest. The breaking through these strata by Silver creek has exposed the oil sands along the eastern arc of the circle, to the southward the strata having been tilted up to an almost perpendicular condition by the upheaval of the quicksilver range of mountains. Along the western arc of the circle the mountain range has been rent asunder by a volcanic upheaval which had tilted the strata to the eastward. The outcroppings of oil are found along the broken edges of these upturned strata. The surface indications lead to the inference tha tthe stratification of the oil bearing sands are bent downward, on at least three sides, in such a manner as to constitute a true basin. If this inference is correct all the surface indications justify the belief that somewhere within the radius of that circle will be found a great reservoir of oil.

Oil in British Columbia.

Tests will be made for oil in the Pincher Creek region of British Columbia, where for years seepages have been noted, and oil gathered up.

There is a district about twenty miles square in that region which shows considerable quantities of petroleum almost everywhere; turn over a boulder and oil will be found adhering to it; dig small pits almost anywhere at random, and in most of them oil will seep.

A settler here has a hole six feet square, three feet deep, the sides boarded, into which oil and water constantly seeps. He uses a common cream separator for extracting the oil, selling the proceeds in the Mormon settlement, making a good living therefrom. Another method of separating, used by the inhabitants of that district, is to take cans and fill with the mixture: the bottom is perforated and the water runs off leaving the oil, which is emptied out and the process repeated. Drilling has been attempted but water has drowned the work out at a depth of 200 feet. It will now be taken up again and pushed to a finish.

Importance of Monuments

A legal principle of interest to oil men has been brought out in the case of Mrs. J. M. Crawford vs. the Kern Oil Co., which has been recently decided in Mrs Crawford's favor. The question involved was whether the monuments erected by a locator fixed the boundaries of the claim.

The property in litigation was a narrow strip located on the eastern boundary of the S. E. ¼ of section 32, 28-28, having an area of about four acres. It is about fifty feet in width at the point where the discovery well is located, varying from twenty-five feet on the south to seventy feet on the north.

The decision of Judge Mahon is based on the ground that a locator, through claiming 160 acres, is limited to the amount of land actually included by the monuments set up by him for this purpose. The boundary line of the original location on 32, as indicated by the monuments, was inside the true line, and a location was filed by the claimant upon the remaining portion.

Propositions Wanted For Boring Oil Well

2000 Feet More or Less.

VACAVILLE OIL CO.,

J.N Rogers, Secretary.

The Lincoln

The Lincoln Oil Company of Oakland, Cal., are making good progress in their well No. 1, on section 14-28-27, Kern River District. Their rig is one of the best in the field, and is making steady progress down towards oil. They have passed into the water sands this week, and will have to put on a double crew December 1st. The work is under the supervision of one of the best drillers in that district, who is careful, thorough and reliable. To show his faith in the well he was drilling, he voluntarily requested that his wages be paid, one-half in cash, and one-half in stock of the Lincoln Oil Company at twenty-five cents per share. This of itself should be sufficient guarantee of a good well of oil. This gentleman has successfully drilled seven wells heretofore in Kern River District, and is thoroughly competent for the work ahead of him, and backed with ample funds, and an energetic reliable set of officers as the Lincoln Oil Company have, he will surely finish one of the best paying wells in the district for the Lincoln Oil Company. The directors have decided to advance the price of stock to fifty cents per share, December 10th.

State Mineralogist's Report.

Mr. A. S. Cooper, who recently examined the property of the Salinas Oil and Development company, reports as follows:

San Francisco, Nov. 22, 1900.
Salinas Oil and Development Co.,

Gentlemen: I have examined that part of your land adjoining the bituminized sand deposit in section 34, township 24, range 10 east, M. D. M., and find that the axis of the San Antonio anticline passes through this property. That the shales constructing the anticline are highly bituminized and give promise of reward for conscientious development.

The property is easy of access; there is abundance of wood and water on the ground to carry on the work of drilling, and in the case of the construction of a pipe line, the descent would be continuous from the bituminous deposit to the railroad.

After my examination of the geological formation of this district, I am of the opinion that you are justified in sinking wells. I may also inform you that four wells have been located and work will at once be started.

Yours very truly,
(Signed) A. S. COOPER.

A SCIENTIFIC VIEW.

Continued from page 7.

posures in the Kern river oil field. These show strata of clay and soft sandstone. The sandstone is light-colored and formed principally of granitic material. These rocks resemble the formations which may be seen resting on the granite a few miles northeast of the oil field.

"Between the oil field and the granite, the sandstone contains fossils which identify the formation as the Middle Neocene. The best rock exposures seen in the oil fields are on the bank of Kern river in Sec. 2, T. 29 S., R. 28 E., M. D. M. At this point, strata of sandstone, somewhat impregnated with petroleum, dip to the west of north at an angle of less than 10 deg. It is difficult to estimate the precise direction of the dip of the oil sand, even when the depth at which the oil sand was struck has been given. The reasons of this difficulty are: First, it is impossible to tell whether or not the first oil-yielding stratum is the same stratum; second, it is evident that the strata vary in thickness within a short distance; third, the angle of the dip is so slight that it is necessary to use the records of wells which are far apart for the purposes of calculation; fourth, there is every reason to believe that the strata penetrated in the Kern river oil field undulate.

"Notwithstanding the difficulties referred to, the writer collated the well records kindly furnished him by the well owners in this oil field. From these records it appears that in the northern portion of the field the strike of the oil sand is about N. 30 deg. W., the dip being S. 60 deg. W. at an angle of less than 10 deg; and in the southern portions of the field the strike is about N. 70 deg. W., the dip being S. 20 deg. W. at an angle of less than 10 deg. It is probable that N. 60 deg. to 70 deg. W. is the prevailing strike of the Neocene formations in the Kern river district.

"In August, 1900, when the Kern river district was visited by the writer, the Kern river might be said to bound the developed portion of the Kern river oil field on the south and east. The rock exposures on the banks of the river show no evidence of any fault or line of geological disturbance to which the course of the Kern river might be attributed; and the terraced banks of the river indicate a long period of gradual erosion. There is a reasonable probability, therefore, that remunerative oil-yielding formations will be discovered on the south side of Kern river."

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J. C. Pascoe, Vice President
R. R. Haskell, Treasurer
P. H. Reynolds, Secretary

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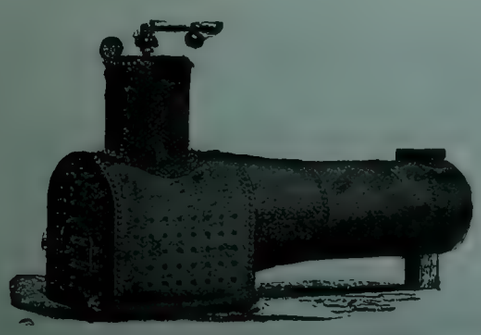

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What Oil Men Operating in the East Say About the Oil Industry.

Oil men, especially those operat- in Central and Northern California, should heed the advice and warning given in the following letter from G. W. Peer, one of the most influential California oil men now operating in the East:

Chicago, Nov. 23, 1900.

Mr. L. P. Crane, President California Petroleum Miners' Association. Room 33, Second Floor Mills Building, San Francisco, Cal.

My Dear Sir: We are very glad to learn, as a result of instructions sent to our San Francisco office to make application to the Petroleum Miners' Association for membership, that we have been placed on the list of the many substantial members now on your books, and it gives us great pleasure to say that we have already reaped much benefit from the connection thus made. We have located an office in Chicago with the object of getting the investing public in this and contiguous territory interested in our California fuel oil production. While as you know Chicago is a place literally filled up with all kinds of propositions, a great many of which have merit, and it seemed to us at first a most difficult thing to accomplish our object, but after becoming somewhat acquainted we now find that the people here have more knowledge of our California oil situation than in any place where we have attempted to do business. The California Oil business here and in the East needs advertising and needs it badly. While the territory north of the Tehachapis is now the largest producer in the state, we find that in the southern part of the state the people are, as usual, doing much more to attract the investor than we on the north. It would certainly seem to me that advertising, along a general line, by the daily newspapers of San Francisco and the railroad companies would have a most beneficial effect on the oil industry in California. It is not necessary to make any flowery assertions, as the fact of our rapid development on this industry in California are more than sufficient to prove of the greatest interest to the people of the East. If one of the San Francisco papers could be induced to take up the advertising of the oil business in their Sunday editions, writing up the facts as they exist, in an interesting manner and broadening out on the lines suggested by the recent commendable effort of the Mining and Engineering Review, letting the matter run in serial form, that is to say, every Sunday or every other Sunday, it seems to me that the oil companies would buy a sufficient number of these papers to more than compensate the publishing company for their part of the work and I think it would serve as one of the best mediums in existence to educate outside investors.

Presuming that you have the statistics at hand will you kindly advise me what the actual number of producing wells are to date in the state, what their output is and about what the average production is per day.

I expect to be in Chicago for some little time to come and if there is anything I can do at this end of the line that will be of assistance to you or the Association, which you so ably represent, I trust that you will give me the opportunity and pleasure of doing so.

Yours very truly,
G. W. PEER.

Sale of Union Oil Co.' Stock

An Associated Press dispatch from Los Angeles, under date of the 26th, states that a controlling interest in the Union Oil company, the oldest in the State and a dividend payer for twenty years, has been sold to a syndicate composed of the principal stockholders of the Edison Electric Company of that city. The price paid is said to be $800,000, and the capital stock will be immediately increased from $5,000,000 to $10,000,000. The company has property all over the State, but its principal wells are located in Ventura county.

The Hawkeye company, in section 18 on the northern boundary, is drilling on its first well.

The Barrett Oil Well Swivel Wrench For carrying and placing bits in drilling stem bits

Drilllers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different sized squares to suit different sized bits.

—MANUFACTURED BY—

J. Barrett, = Alleghany, Pa.

California Fortune Oil Co.

Incorporated under the laws of Arizona.

CAPITAL, $500,000. Shares, par value $1.00 each.

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Judge Fritz.....
R. A. Coleman.....2nd vice-presiden
. J. Truman.....treasurer
E. Denicke.....secretar
Wm. M. Madden.....attorney
Columbian Bank.....Depository

DIRECTORS.

W. C. Carpenter A. McDonald R. L. Atki

Location: Section 34, 12-24, Sunset District. In the same section there are five wells in operation.

Contract Has Been Let For Rig and Drilling Will Begin at Once

The Company also own 80 acres in McKittrick and 320 acres in Coalinga.

SURROUNDINGS—12-24 Sunset District.

On section 32 are eight wells; section 31 are four; and on 35 is located the large well of Jewett, Blodgett & Beal On the same anticline with the Monarch and Occidental.

Ten thousand shares only are offered for sale at **25c Each**

Office, 529 Parrott Building.

Apply to E. DENICKE, secretary.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

CONTRA COSTA.

There are three oil derricks in operation near Lafayette.

Work of spudding in for oil was commenced at the Contra Costa Oil company's well in Oil Canyon, a few miles south of Antioch, last week. This company has a fine rig, and the men who have charge of the work of boring understand their business.

The work of hauling material for the erection of the rig for the Clover Leaf Oil company, operating on the Maloney ranch, was begun recently, and now the work of erecting the rig will be pushed forward.

KERN.

The flow continues at the Superior, 2, 11-24.

The Diamond is waiting for casing to cut off the heaving dry sand.

The Rio Bravo company is ready to begin drilling on section 10.

Eckstrom has begun work on 24, 29-29.

Shortage of water is interfering with development at McKittrick.

Several derricks were demolished at McKittrick in the recent storm.

The Arizona Western has been pulling its casing to get at its tools.

Drilling has begun on 34, 11-24, by the Grocers' Oil company.

Pipe has been shipped to Sunset to begin the construction of a four-mile line.

The Commercial Travelers' company is preparing to set up their engine and boiler on 8, 29-28.

On sections 4 and 10, 32-23, the Midway of Oregon is putting up a derrick and preparing for work.

A concrete viaduct 800 feet long has been constructed by the West Shore from the wells to their railroad tanks.

The Golden Gate has moved back to the neighborhood of the Monarch, on 35, 12-24, Sunset district.

Oil in the Kern River field is bringing 70 cents, with a brisk demand. Operators held out for $1 for some time.

A number of locations are being made on the Cuyama, in the neighborhood of Santa Barbara canyon.

The Santa Barbara and Kern, which struck oil in the Kern River district recently, has decided to go 200 feet further into the oil sand.

On the Peerless property well No. 6 continues to yield 300 barrels daily. Perforation has been finished on No. 7 and a landing effected on No. 8.

Seven wells are going down on Jewett and Blodgett's property at Sunset, and thirteen are being put down by other parties.

Messrs. Spencer and Roberts are backing Milton McWhorter in his refinery, which is now assured. Mr. McWhorter will be superintendent.

The Jewett-Blodgett-Beale well on 35, 12-24, will be allowed to stand as it is and another will be drilled in the neighborhood.

Rain has interfered with work in the southern oil fields, especially with teaming.

The desire of owners to drill as close to the line as possible was emphatically illustrated in the case of the Petroleum Center, which recently drilled a well nearly four feet over their boundary line, on 19, 28-28. The question of ownership has been settled by the owners of the land paying for the hole.

It is stated authentically that the Pittsburg has struck oil in the Sunset district at 910 feet.

The Oriental near the Superior on 30, 32-24, expects oil soon. The Superior is still flowing.

Oil has been struck by the Wilson company and the Blinn company, both located on section 4, 28-28.

The Lone Star, on 32, 12-24, is now down 600 feet in No. 2, lower than it was able to sink the first well. It has had a showing of oil.

Arrangements have been made for the sinking of two wells on a 1,400-acre tract in a new locality, about ten miles west of McKittrick, in San Luis Obispo county.

Canfield and Doheny have resumed work on the three remaining quarters of 18, 28-28, where the Edgar struck oil recently. The latter is still drilling.

Clarence Berry, one of the Edgar company, recently paid $6,000 for the northeast quarter of section 7, 28-28, near the company's recent strike.

A derrick has been put up by the Maricopa Oil company on section 1, 11-24, where they recently obtained land on the southwest quarter from the Pittsburg Oil company.

Revival of work is expected in the Temblor country, a party of Colorado capitalists having taken hold of a large body of land with the intention of begining extensive developments.

The Arizona Western, 8, 29-28, has completed its fishing job and is ready to resume drilling. Two sands have already been struck.

LOS ANGELES

Uncle Sam Oil Company has twelve wells on the pump, and is drilling six more.

A new well is going down at Alpine and Ramona streets for the Union Petroleum company.

While the rain has checked oil operations in Los Angeles, real estate men report increased inquiry for oil lands since the heavy storm.

Puente Crude Oil company have ordered a complete new rig with 74-foot derrick from the Whittier lumber company.

The Murphy Oil Company has commenced drilling on No. 7 on the top of the hill. No. 8 rig is as good as completed and the gradings have been made for No. 9.

The well of the Standard Crude Company in the LaHabra valley is down nearly 800 feet. The drillers have been bothered with water sand and have been obliged to follow the bit closely with casing.

The Warner company has ordered material for a pipe line from its wells to the Evergreen station. From the top of the hill to the foot of the canyon the line will be put in with three inch pipe and the remainder of the distance with two inch. A receiving tank will be built at the station.

The Central company started up the pump on its new water system last week. The pump now in use is a temporary machine to be used until the big 60

Continued on page 16

KERN RIVER OIL

AND DEVELOPMENT COMPANY

212 Sansome street, San Francisco, Cal.

Leases 130 acres in the Fullerton Oil district, Orange Co.,
Owns 320 acres in the Kern River oil district, Kern Co.,

250,000 shares of $1.00 par value. 100,000 shares in treasury.

Treasury stock for sale at $1 a share, **fully secured**.
Treasury stock for sale at 50 cents a share, not secured.

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Lands to lease on royalty or will take stock in progressive companies
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"Star" and Standard Drilling Rigs, Fairbanks Gas, Gasoline and Distillate Engines. Steam Pumps and Boilers, Boston and Reading Casings, Tubing. Sucker Rods, Pumps, Pipe Fittings, cordage, Wire Rope, etc., etc.

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Rig Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

Telephone 341 **21st and I Streets.** **P O. Box 463**
BAKERSFIELD, CAL.

Point Richmond Oil Co.

Capital Stock $100,000

BOARD OF DIRECTORS:

Henry B. Russ, president, capitalist San Francisco; J. C. Martin, vice-pres, dent, road foreman of engines, S. P. Co. San Francisoo; I. W. Taber, treasurer, president Taber Photo Co., San Francisco; A. Keller, director, agent S. P. Co., Alameda Point; J. O. Denny, director, journalist, San Francisco; S. D. Woods, attorney, member of Congress for Second District, California; Arthur Wheeler, secretary.

This company is capitalized with less shares than any other company in Contra Costa county.

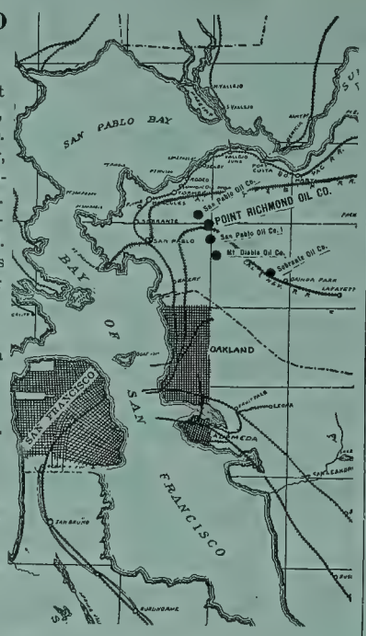
Stock 50 cents per share.

No assessments. Small capital stock. Guaranteed advance in price.

Controlled by well-known men.

Our property is close to the city and can easily be seen. It is declared by experts to be as fine as any in the State

Strong companies are drilling on each side of us. Send for prospectus.



Point Richmond Oil Co.

floor, Room 41, Mills Building, San Francisco. Telephone Main 1765.

The Excelsior Adjustable Round Hoop Tanks

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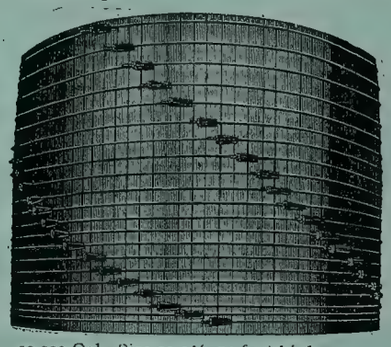

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Fourth and Channel Sts. San Francisco. Manuf rs and dealers in Lumber and House Finis

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THE FLASHLIGHT

Oil Company

1200 acres in Coalinga District Offers excellent opportunity for rapid advance in stocks bought now in at bed rock price. Shares now selling at 20 cents will surely be worth $1 00 inside of six months; agent wanted in each city in the State. Write for prospectus, for particulars, etc.

Now Drilling.

THE BAY CITY OIL COMPANY,

Is now drilling on its lands in Midway District, K rn County.

Circulars and maps sent on request.

Bay City Oil Company

321 Safe Deposit Building, San Francisco.
GEO. W. TURNER, President.
E N. SEWELL, Secretary.

When you want to swear go to

LEE D. CRAIG

Notary Public and
Commissioner of Deeds

16 Montgomery St.
bet. California
and Pine, San Francisco.

A Splendid Opportunity

FOR INVESTMENT

Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.

We also have for sale or lease any part of section 26, township 32 south, range 23 east, Sunset District, on reasonable terms.

ROOM 625 LAUGHLIN BLDG.

LOS ANGELES, CAL.

Fulton Engine Works

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Oil Well Tools and Machinery.

Postoffice Box No. 296—Station C. Telephone, Main 661.

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Manufacturers of

Steel Water Pipe

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OIL STORAGE & WAGON TANKS

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Works: Cor. New Main and Date streets. P. O. Box 231.

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INTER NOS

Oil and Development Company

Rooms 39 & 40 Crocker Building

Junction of Post and Market Incorporated under laws of Arizona

Positively Non-Assessable. Capital Stock, $400,000

Officers—Matthew C. Nunan, President; A. M. Cox, Vice-president; John F. Harris, treasurer; M. L. Culver, secretary; C. W. Duffie, Manager; Hugo D. Newhouse, Attorney; Daniel Meyer, Depository.

A limited amount of treasury stock will be sold at 25 cents per share. Lands of the company are in Sunset, McKittrick and Temblor Districts, comprising 410 acres. Will commence boring at once on section 9, 32 south, range 23 east, M. D. B. & M., situated in the very center of oil-producing wells. This stock sale is a SNAP, as operations begin at once. Work will progress as rapidly as possible. Do not wait to be solicited for this stock as it is not a speculation, but a sound investment. For further information apply or address

Brust & Byrne, General Agents,

Rooms 39 and 40 Crocker Building - - San Francisco

Telephone, Main 296.

Stock of this company will advance to 50 cents per share on or b out the 15th of December, and you want a A 1 investment call on or address **Messrs. BYRNE & BRUST.**

E BREITWISER, Inventor RISDON IRON WORKS Builders
San Francisco, Cal.

NEW RAPID HYDRAULIC ROTARY and WALKING BEAM combination rigs.

NEW STYLE STANDARD RIGS with all iron sprocket belts an rope drums.

NEW MULTIPLE PUMPING PLANT, with separate strokes each well.

HYDRAULIC CLEANING AND FISHING OUTFITS.

FUEL OIL FOR SALE.

PROSPECTS AT VENTURA

Promising Territory in the Neighborhood of the Coast City.

Oil indications on several ranches in the vicinity of the town of Ventura include seepages, saturated oil sand, brea, gas, sulphur, gypsum, gilsonite and favorable shales, sandstone and conglomerates—in fact covering most of the indications known to oil men. Where the anticlinal crosses the Ventura river, gas bubbles from its bed, and in the 150-foot well, dug by Supervisor Hartmann for water, farther east upon the same fold, gas was also encountered. Within a radius of a few miles of these ranches where broken territory is encountered, are immense oil seepages which have long been famous.

West of the town lies the 800-acre Lloyd ranch and the ranches of Joseph and the late William Sexton, where drilling has already begun, says a southern paper.

The Argonaut company and parties operating under the Adams lease, are drilling two wells on the Taylor ranch, one of which has encountered seepages of oil and is down several hundred feet in favorable formation. On the Sexton ranch the Uncle John company, composed of Whittier people, is at work with a Standard rig and is prepared to drill a deep well if necessary to prove its territory.

The feature of this region, as revealed by many expert examinations, is the nature and regularity of the geological formation. An almost perfect anticlinal fold strikes east and west, intersecting the Taylor ranch, along the north end of the Lloyd ranch for three and one-quarter miles, through the 4000-acre Joseph Sexton ranch, through the 2800-acre Uncle John company tract, and a far as can be traced continues in the direction of Bardsdale and Torrey canyon and the rich wells of the Union Oil company in that vicinity.

Adjoining the Lloyd and Sexton ranches on the northeast are other tracts of the old Ex-mission rancho of which the Union Oil company owns the oil right. On these tracts are wells and tunnels which have produced oil for years, it being piped to the Ventura wharf and shipped on steamers and barges which ply from there.

New Refinery.

The location of the new refinery of the Hercules Oil Producing com any of Los Angeles, now nearing completion, is on Faith street, just south of the Franklin refinery, in the southeastern part of the city. The Hercules plant will comprise six stills with a capacity of 30,000 barrels of petroleum a month; twenty steel tanks with capacities from 250 to 1000 barrels, a warehouse 32x150 feet in dimensions, and a cooperage—where the barrels needed for the refined product will be made—32x120 feet in dimensions. The location is such that by short switches the refinery can be made accessible from the Southern Pacific as well as from the Santa Fe railway.

Samples at the Exposition.

Samples of oil from the various California fields have been presented to the museum of the Petroleum Institute by the delegates representing the California oil industry at the Paris Exposition. The fields represented are as follows:

Where Obtained.	Gravity of Oil. Baume.
Los Angeles district	14-18 deg.
Kern River field (Lubricating)	11 "
McKittrick, (at 808 feet)	15 "
Santa Paula field	15 "
Summerland field	16 "
McKittrick (at 625 feet)	16 "
Fresno field	17 "
Fullerton field	33 "
Puente field	33 "
San Luis field	34 "
Bonanza property	36 "
Coalinga field	38 "
San Mateo field	45 "

APPEAL OF SCRIPPERS.

The Famous Cases Carried to the Court of Appeals.

The cases of the Cosmos Exploration Company vs. Gray Eagle Oil company, et al., and Pacific Land and Improvement company vs. Elwood Oil company, et al., have been ordered transferred to the United States Circuit Court of Appeals. These are the famous scripper cases, in which Judge Ross handed down his decision on September 26 in favor of the defendants, and now the scrippers have determined to carry them up on appeal. The locators claimed the land in dispute to be valuable agricultural land, while the scrippers claimed that it was mineral land of no value for agriculture. In his opinion, Judge Ross called attention to the extremely contradictory nature of the testimony, and suggested an investigation by the grand jury. Nothing was ever done in the matter, however, so far as the public is aware, though it is impossible to know what consideration the grand jury may have given it.

Whichever way it goes in the Court of Appeals it will be appealed to the United States Supreme Court, as both parties to the fight will push it to the last resort. In the meantime the land department may act. If the department decision is considered a violation of law it can be taken before a state court, and in this case would probably be taken before the Superior court in Los Angeles and Bakersfield. In the latter court the scrippers' case has already been thrown out of court once by Judge Mahon.

Upon questions of fact the rulings of the department are final, but upon questions of law the courts may decide. In any case, before department or courts are through with it this contention will eventually be chronicled as one of the greatest ever started in the West.

The Famoso

The Famoso Oil and Investment Company report the receipt of a great many outside inquiries for information concerning oil lands and stocks, and has made a number of good cash sales of stock by mail in consequence, the guarantee feature of the Famoso is what attracts outside capital. At next monthly meeting of board of directors, contracts will be let for material and casing for wells Nos. 51 and 52.

The Gray Gander

Gray Gander Oil people now have a chance to spread their wings and say they are all right. Since the Edgar strike next to them the company feels very much encouraged. The last report from the Edgar well was they were down 125 feet in the big sand and still sinking. The company expects between 300 to 400 feet of sand; that will mean from 100 to 500 barrels of oil a day, and the Gray Gander is within speaking distance of them. This company has been selling considerable stock since the new strike; they expect soon to raise the price and only a few more shares will be sold. O. B. Phelps, president of the company, was in San Francisco for a few days, but such good news came for the company that he made up his mind to return to the fields, and watch results from the adjoining wells. All those who purchased stock in this company are considered among the lucky ones.

WANTED

A position by an Oil Well Driller by one who has had experience in sandstone formation. Apply to Jas. A. Jacobs,
1935 Mission Street,
San Francisco.

For Sale or to Lease

Thousands of acres of No. 1 OIL LAND in the

Kern River, McKittrick and Sunset Districts

including some of the very best Sunset properties.

James R. T. Mershon

Oil Land and Stockbroker, Rooms 537, 538, 539 Parrott Building
San Francisco, Cal.

Companies promoted and assisted in the raising of their development funds.

PROMOTER OF THE FOLLOWING COMPANIES.

The **Monarch Oil Co.** of Arizona, **Prudential Oil Company,** of Arizona, the **Lion Oil Co.**, of Arizona, the **J. S. Potts Oil Land and Development Co., Sunset Center Oil and Developing Company** of Arizona, **Vesuvius Oil Co.** of Arizona, and **Tiger Oil Co.** of Arizona all in the Sunset district, Kern county.

Casmalia, Ranch, Oil and Development Co.

Incorporated under the laws of California
Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California, Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which wil commence immediate operations at a good royalty.

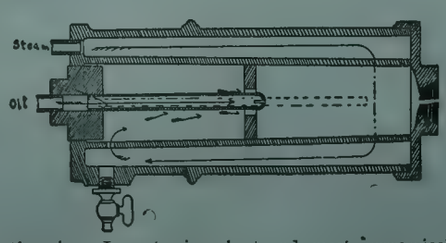
The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for developments thus far. The office of the company is in room 404 Call Building, where the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

Pacific Coast Machinery Company



Dealers in Crude Petroleum for fuel and gas also manufactures of the Larkin Retort Oil Burner unequalled for economy and ease of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economical equipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil business we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company. If you are thinking of using Crude Petroleum for fuel give us a call.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco

(Continued from page 13.)

horse boiler and pump now in Los Angeles can be put in. The reservoir at the top of the foothills has a capacity of half a million gallons.

The Home Oil company has the derrick for No. 11 completed and as soon as No. 10, which is a finished well, is on the pump, drilling will begin on No. 11.

Col. Hanson, manager of the Raymond and New England properties, was in Whittier last week to make arrangements for the opening of the roads to his wells. Under the present conditions it is impossible to reach them by team.

The Whittier Oil and Development company before operations were cut off by the flood had its well down nearly 300 feet. The well has been cased to prevent caving.

Work is suspended on the Standard Crude Oil well near LaHabra for a few days as it is impossible to haul oil for the furnace until the roads are repaired.

The International Oil company has subleased a portion of its holdings in La Habra valley, Orange county, and will await the results of the operations on this part before renewing its efforts to secure oil. The company reached a depth of 1100 feet before it quit, and got 600 feet of salt water. At times during the drilling the flow of gas was most extraordinary.

The cloudburst Saturday undermined the derrick for Turner company's No. 5 and it was only saved from collapse by a temporary guy wire. Monday it was pulled back into place without material damage. Some loose timber lying about the derricks were carried away and the roads through the canyons were gullied, but the actual damage to property was comparatively slight.

The Stillson Oil company has installed the air compression system of pumping on its property.

The Dodson Oil company near San Pedro has lost a bit in the hole, and drilling is suspended for the present until it can be recovered.

Johnson and Roberts' well in the San Pedro field is down 200 feet, with a good showing of gas and oil.

The Victoria Oil company, which has been delayed for several weeks on account of the non-arrival of tools, has begun work on its well at Encinitis.

The Rhodes Oil company intends to go down in their last well on the west side and find if possible the main body of oil underneath. Mr. Rhodes is of the opinion that no one has yet struck the real oil sand in the western field.

The Pacific Slope Oil Company in the local field has closed a contract for drilling five wells on its property and work on them will begin at once.

The Union Jack Oil company is erecting a 600-barrel tank on its property and work will begin at once on another well. It is the intention of the company to drill ten more wells.

The Uncle Sam Oil company has tapped the sand in No. 12 recently on Hoover street, and the hole filled up immediately with oil. This well is close to the famous No. 2 of this company, which held up for months at a 200-barrel rate.

SANTA BARBARA.

Casmalia Oil and Development company are in very favorable shale.

The Santa Maria Oil company, on the Suey creek, is in a hard shale and drilling is very slow.

Lumber for a new derrick on the Antone Tognazzini ranch, in the Foxen canyon, will arrive soon.

Work was stopped on the well at the Musico ranch lately, Mr. Purcell being called to Los Angeles.

M. S. Steckle, a driller from Sespe has taken charge of the Casmalia company's drilling.

Five cars of lumber and casing have arrived at Graciosa for the Clampitt Bros.' company, on the Hartnell ranch.

Shipments of asphaltum, both refined and crude, are being made by the Guadalupe Asphalt company from Shuman station on the broad gauge to Chicago.

The machinery for the Graciosa Oil company, on the Harris ranch, is expected daily. The houses and derricks are completed. This well is about one mile southeast from the Western Union on the Carrega ranch.

Arrangements are going forward to sink about a dozen oil wells at Lompoc. State Mineralogist Cooper is of the opinion that this section will prov equal to the best in the state in oil production.

Work on the Curtis-Wilkins prospect, at Carpenteria, has ceased temporarily, owing to breakage in the drilling machinery. When work stopped the hole was down 110 feet. It is believed that oil will be struck on this property at a depth of between 209 and 250 feet, because ten years ago Mr. John Pyster, while boring for water on his ranch, struck oil sand at a depth of 244 feet.

SAN BENITO.

Eastern capitalists, represented by Messrs. Bunson Bros., who recently secured a lease on 1100 acres of the Sargent estate, are now erecting two Standard rigs on the property. Drilling will be in progress by December 1.

The parties operating on Sargent place intend putting up a rig on the adjoining property, belonging to Thomas Flint.

The final transfer of the Chittenden ranch has been made to capitalists, who will at once begin development of its oil resources. The consideration is reported at $22,000.

SUTTER.

The "Sutter Farmer" is authority for the statement that good oil indications have been found and oil samples secured in South Butte Pass in Sutter county. Development of the locality is to be begun soon.

TULARE.

The contest case of the Keystone Oil company vs. the State of California, involving the south half of section 19-15, was heard in the Visalia Lan Office last week.

VENTURA.

The Sheridan Oil company, directly north of Piru, is meeting with many

LINCOLN OIL COMPANY

J. H. EDSON, Secretary and Manager

Central Bank Building, = = Oakland, Cal.

Expert's Report.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 7, township 28 south, range 28 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange,
San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party last week. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. The next will sell for twice that amount.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PARROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COLEY, President,
W. B. BURROWS, Secretary.

encouraging evidences in its well in the way of oil seepages and gas veins which have been encountered. This is not far from the Modelo and Piru Oil and Land companies properties.

The Arizona company, operating on the Mesa north of Fillmore, is at work again. About a month ago the company stopped work with its well 600 feet deep.

The Montana company on the Akers property north of Fillmore has succeeded in straightening a crooked hole at 700 feet and is now making good headway.

The old Bardsdale Oil company's well, south of Fillmore, abandoned at 700 feet, is to be tackled again, Mr. Green of Los Angeles having brought a rig for that purpose.

The Bracken well on the upper Ojai is furnishing from twenty to fifty barrels a day.

SAN BENITO.

The heavy timbers for the derrick of the Hollister Crude Oil Company have arrived, and will be put in place this week.

The Chittenden ranch in Santa Cruz county has been sold to Percy R. Schuman, of Chicago, who will develop it for oil.

The Silver Creek Oil Company has at last found good oil sand at a depth of 750 feet, and a fine well is expected to be struck any day.

The Ashurst Oil and Development Co.' n the Vallecitos, has started work, and he drill has now penetrated to a dept of some 700 feet.

All the small-sized casing was removed this week from the well of the San Benito County Oil Co., and drilling resumed last Wednesday morning.

O. L. Lamson, assisted by W. K. Goff, left town last week for Bitterwater, where they will commence preliminary work on the property of the the Star Anticline Oil Company's property.

Mr. J. C. Berry, one of the representatives of the Durgo Oil Company, lessees of the Tully tract in Bitterwater, was in the valley this week, and made arrangements with O. L. Lamson to sink several test wells before the company started actual operations.

Messrs. E. G. Butler and Thos. O. Cutler, from New York City, who have been inspecting the oil prospects in this county, report to the California Petroleum Miner's Association that, in their opinion, this territory will prove to be one of the most valuable in the state.

NAPA.

Cook and McKenzie and C. H. Anderson, of Monticello, have filed six claims to oil lands with the county recorder. Some 420 citizens of Napa county are interested in the oil discovery and have $4,500 invested. A big load of lumber has been taken over to Berryessa to build a cabin for the men and a derrick floor at the Mt. Shasta Oil and Development company's location. Another oil spring has been discovered in Berryessa, back of Monticello. It comes to the surface freely too.

SAN DIEGO.

The water in the well of the San Diego Oil company which has caused considerable trouble is being cased off, and the work of drilling will be resumed in a few days.

At the Monarch oil well at Morena, indications continue excellent and oil is mixed with the sand now being brought up. On Thursday the drill had penetrated to within eighteen feet of the original depth.

The Spreckles Sugar Company's factory with crude petroleum for the furnaces. After the cargoes of oil has been emptied the tanks are thoroughly cleaned with steam and refilled with the syrup which remains after the sugar has been extracted. This liquid is sent to the Oxnard factory, where it is converted into vinegar. Heretofore the cars were sent back empty to the oil fields in the southern part of the state.

W. FORGIE

Manufacturer

OIL & GAS WELL RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices, etc., inquire of

D. HOOKER Los Angeles, Cal., W. FORGIE, Washington, Pa.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company, 504 Parrott Building, San Francisco, Cal., August 8, 1900

We hereby certify that we have underwrttien the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable.

2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any ime.

5th The bonds used to guarantee the stock are obtained in this city and can be easily in stigated,

E. D. COOLEY, President,
W. B. BURROWS, Secretary

Oil Comp'ny

Incorporated under the laws of South Dakota June 21, 1900.

Capital stock 200,000 shares; par value $1 each, Treasury stock 100,000 shares; sold with guarantee for development purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President.....J. L. DOBLE
Secretary.....G. F. ABBOTT

Write or call at office 330 Pine street rooms 44 and 45, for special inducements for short time

OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, F. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building, San Francisco. Telephone, South 795. Shares 25 cents. Raised December 1st to 50 cents. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATION OO.
Capital $200,000
20,000 shares at $10
Location. Ventura county. 150 acres two miles south of Buckhorn.
Officers- Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president: W I Pixley. 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary: H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital $200,000
Locaion, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer; P. B. Nagle attorney.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital $500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital ..... 1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, townsip 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east, M D B and M.
Officers: W H H Hart, president; R J Davis ecretary; W M Graham, H J Umbsen, D E Hayes nd W H Snedaker
Office: 149 Crocker Bldg., San Francisco.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its etire nrig outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington. superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital $150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. I. Fair, J. C. B. Hebbard, Chas J. Heggerty, Chas. A. Lee, John C. McElroy.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location, N ½ of NE ¼, S 28 T 28, R 28 E, Kern Kiver District; NE ¼ S 12, T 27, R 26 E, Poso District, Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par

EQUITABLE OIL CO.
Capital $500,000
100,000 shares at $5.
Locat,on: Kern county: Southwest ½ of section township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22 1900, under the laws of South Dakota. Capital, $350,000. Nunber of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer, Germania Loan & Trust Company. Directors—John P Albro, A J Munton, T A Shepard, S D Miner, Capt E F Whitney, Frank Du Bois. Office 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital $600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street.San Francisco.

GUINDA OIL COMPANY.
Capital $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34, township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties
Officers: H L Swain, president; D H G , vice-president; A J Stratton, treasurer; J cells, secretary; W D Reynolds, G H Jackson.

GRAND PACIFIC OIL CO.
Capital $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL LAND AND DEV. COMPANY
Capital $600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth N tional Bank, depositoryl
Office: 1016 Market street, San Francisco, Ca

KETTLEMAN HILLS PETROLEUM CO.
Capital ..... $200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office— Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LION OIL COMPANY. Incrporated under the laws of Arizona. Capitao$500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vise president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spaeckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO
Capital $100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, we st, S B B and M, Sunset district.
Officers and Directors: W C Tighe, president; Joe Bancroft, vice-president; J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building, Madera, Cal.

Great American

Oil & Development Co.

State Mineralogist A. S. Cooper has examined our lands and located wells for us, and his report will appear in the forthcoming issue of this paper. Watch for it.

We have purchased our rig and let the contract to erect our derrick, and drilling will immediately follow.

Stock can be had at 15c per share for only a few days longer.

MOSTELLER & ALLEN, Gen'l. Agts
565-566 Parrott Bldg. San Francisco

HERCULES OIL CO.
Capital $100,000.— 100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Flagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital $400,000
400 000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L. L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union rust Comp any, treasurer and depository,
Office: Room 435 Parrott Building, S. F.

XLNT OIL COMPANY.
Capital stock. $500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3, township 19, south, range 15 east, M D B and M offices, 552 Parrott building, San Francisco, Cal

MONTEREY OIL DEVELOPMENT CO.
Capital $1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10. 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson-Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street, St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamin, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) building, San Francisco.

OCEANSIDE OIL COMPANY OF ARIZOA.
Capital $375,000
375,000 shares at $100 each.
Location ; 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors: F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich, J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street, Los Angeles, Cal.

ORIENTAL OIL COMPANY.
Capital $100,00
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county, Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager
Office. Room 506 Pa rott Bldg., San Francisco

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

PETROLEUM CENTER OIL CO
Capital $500,000
500,000 shares at $1.00
Officers—William Johnson, president; H Van Bergen, vice-president and treasurer, G S Clark, secretary. William Johnson, H Van Bergen, S Richmond, M J McGarry, J W Schaffer.
Office—Room 29, Third floor Mills, building.
Location: Kern county. 640 acres in section 8, township 28 south, range 28 east, 20 acres in the SE¼ of section 28, same township and range, and 80 acres in the W½ of the N¼ of section 13, township 29 south, range 28 east, and 40 acres in the SE¼ of the SE¼ of section 24, township 28 south, range 27 east. Total, 780 acres.
Los Angeles office, 30 Bryson block. M J McGarry Agent

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco. Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000, Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices, 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, town ship 15 south, range 10, east.
Officers and Directors—H W Conkling, president, Allen Brant, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office : Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SALINAS OIL COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares, 1,000,000. Land, 2000 acres in Monterey county. Officers and Directors—President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, W N McCarthy; secretary, J B Olsen, San Francisco; attorney, Hon Eugene F Bert, San Francisco. Office—Room 584 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each, 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Treasury stock at 18 cents.
Officers and Directors—R S Aston, president; J W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THREE STATES OIL CO. Limited.
Capital $1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt, ou E P Colgan, I N Pattison, M F Levy.
Office—612 Examiner Building.

U. S. OIL AND MINING CO.
Capital $300,000
Par value, $1 per share
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 28, 12-24, new Monarch, adjoining Jewett, Blodgett & Bergquist. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Ca

THE RAVEN OIL COMPANY.
Capital stock $100,000 divided into 100,000 shares of the par value of $1 each. Location 816 45/100 acres in south half of south half of south half, section 6, 29-26, and lots 1, 2, 3 and 4 containing 201 acres same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president, C H Quincy, secretary, D G Overall, superintendent, Paul A Pinch, Bank of Bakersfield, treasurer.
San Francisco office—Hon. John R Aitken, Chunie building, 503 California street

YOSEMITE OIL COMPANY
Capital $500,000
100,000 shares at $5.00
5012 acres located in Kern River, McKittrick and Coalinga Oil District
Officers: A B Capp, President, H G Stahl, vice-president, W W Cannon, secretary, W E Beck, Treasurer, Crocker-Woolworth Bank, depository.
Directors, Jas G Maguire, J F Sheehan, Judson Davis, O E Hotchkiss.
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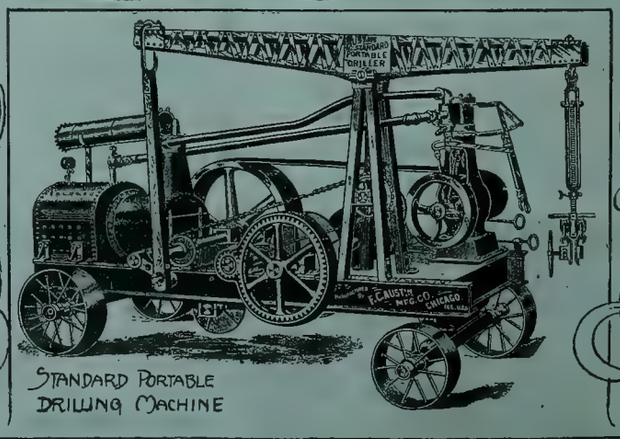

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VOLUME 2 NUMBER 5

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, DEC. 7, 1900.

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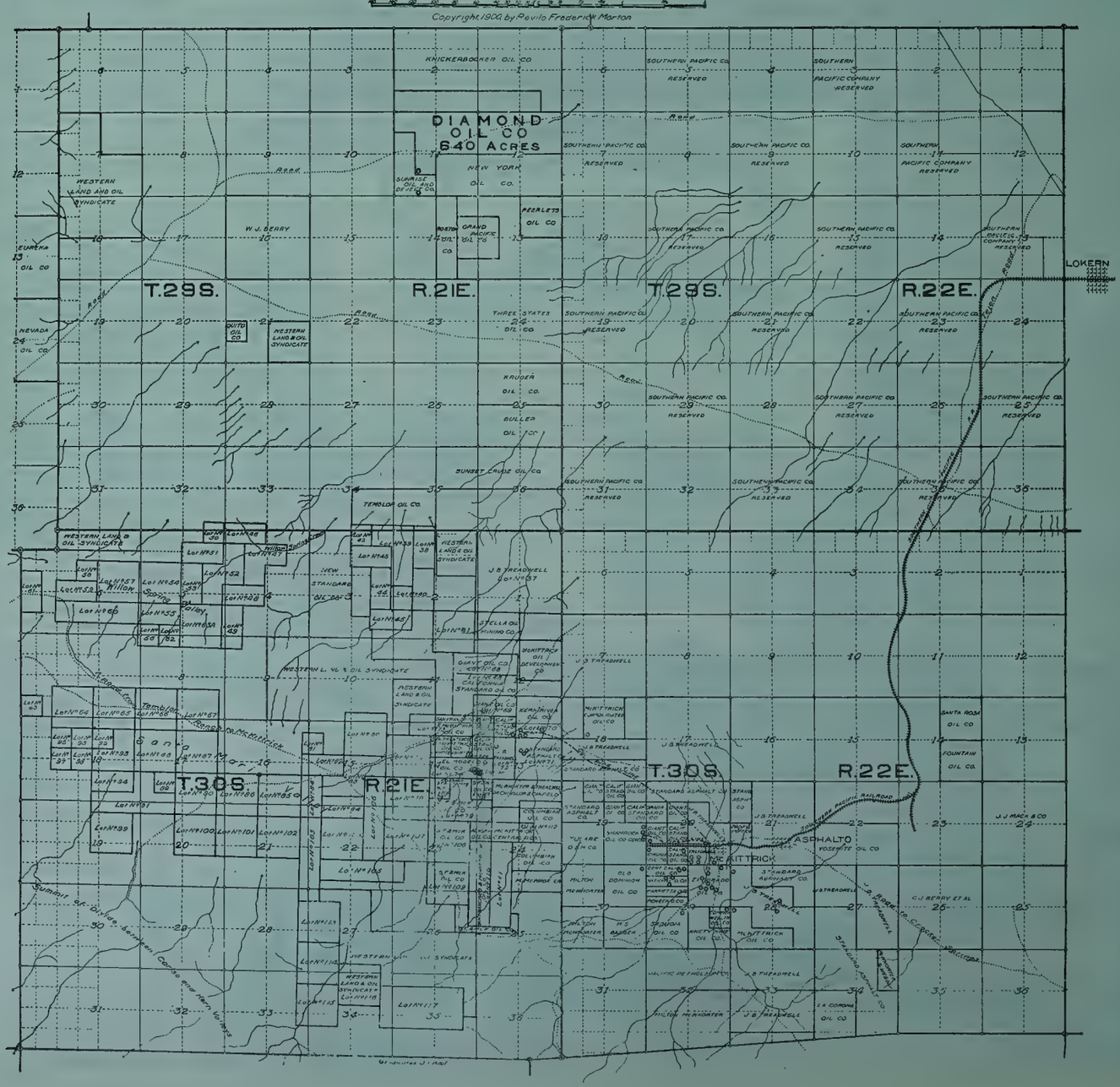

PACIFIC OIL REPORTER

Vol. 2 No. 5 SAN FRANCISCO, CAL. FRIDAY, DECEMBER 7, 1900. PRICE, TEN CENTS

GEOLOGY OF SUNSET.

Observations on the Asphalt and Oil-Bearing Formations of the Field.

The oldest rocks exposed in the Sunset oil district consist of sandstone, calcareo-siliceous rocks and impure limestone, dark-colored shales, massive light colored shales—showing a hackly fracture—strata of sandstone with rounded concretions, calcareous sandstone, and fine calcareous conglomerate. The exposures of formation are scarce, writes W. L. Watts in the Scientific Press, and the few that exist show great geological disturbance. Within short distances the strata frequently dip in opposite directions and at different angles of inclination, the prevailing dip, however, appears to be northeasterly. This formation yields springs of sulphuretted brines, and in one place a small quantity of greenish oil accompanies the brine, but no calareous tufa nor any solid bituminous deposit is formed. No fossils were found in these strata. The most characteristic features of this formation are the dark-colored argillaceous shales, and the sandstones containing rounded concretions. The stratigraphical position and the physical character of this formation warrant the assumption that it belongs to the same geological horizon as do the Eocene shales and sandstones underlying the light-colored siliceous shales in the oil district 9 miles north of Coalinga, in Fresno county. Overlaying the formations, which we may tentatively class as Eocene, in the Sunset district is a formation composed mainly of light-colored siliceous shales and constituting the first tier of foothills. These shales are for the most part of a brownish color when first mined, but they become almost white under the action of the atmosphere; indeed, the outcroppings of this rock are white or light-colored for several feet below the surface. In places the bleaching of these shales can be traced directly to the action of sulphuretted vapor.

The light-colored siliceous shale is by far the most characteristic rock of the bituminous formations. Much of it is of low specific gravity and porous, sticking readily to the tongue, and is easily scratched. Some of it, however, especially in the lower portion of the formation, is indurated, apparently by the infiltration of silica as water. Occasionally pieces of this shale are found which show siliceous induration only in the outer portions of the lumina of which it is composed; a cross fracture reveals soft, light-colored shale within.

The chemical composition of these shales is as interesting as their physical appearance, the characteristic feature being the large amount of silica they contain. Two specimens from the Sunset oil district were examined which showed as follows:

	Insoluble in acid	Silica soluble in sodium carbonate	Total amount of silica
	Per cent	Per cent	Per cent
(a)	99	12	98
(b)	92	24	89

The light-colored shales are much less disturbed than the formation on which they rest. The prevailing direction of the dip of the light-colored shales in the Sunset oil district is N. 30° E., and the angle of inclination is in some places as low as 20°, while in others it is as high as 80°. Although the southern limit of the light-colored shale in the district is tolerably well defined, it is not unlikely that in some places, where this shale has escaped erosion, it may extend a long way up the northeastern slope of the coast ranges. In one instance a well was dug at an altitude of nearly 3000 feet, in which light-colored shales, similar in appearance to those found in the lower foothills, were penetrated.

Investigations in various parts of the Coast Range warrant the classification of these shales as Lower Neocene (Miocene). There is no reason to believe that they rest non-conformably on the underlying rocks.

Numerous seepages of heavy petroleum exude from these shales, forming beds of asphaltum, which, in some places, before these deposits were mined by Messrs. Jewett and Blodgett, extended over an area of several acres. This asphaltum, much of which remains, is principally black, pitch-like bitumen, varying from solid to viscous; some of it is of a yellowish brown color; it is of different degrees of purity and exists not only in beds and mounds, but was found by excavation to extend beneath the superficial drift. In some of these beds the bones of animals, stone mortars and other Indian relics were found beneath four or five feet of asphaltum.

In several places springs of brine and sulphuretted water issue from the light-colored shales.

Near Coalinga, in Fresno county, the writer found evidence of this formation resting non-conformably on the light-colored shales, and in some places it contained fragments of shale, apparently similar to the light colored siliceous shales previously mentioned. At the Sunset oil wells and in the Coalinga district oil sands are found in the lower beds of this formation.

The record of a well drilled in S. 28, T. 11 N., R. 25 W., S. B. M., is as follows. This well was commenced with a 12½-inch casing:

	Feet.
Sulphur and apparently tufa deposited by mineral water to.....	45
Very hard gray and blue limestone to	80
(At a depth of 58 feet there was a little oil and mineral water.)	
Gray sandstone, with soft streaks and mineral water, to.....	160
(At this depth the casing was reduced to 8⅝ inches)	
Soft blue sandstone, with hard shells and more water, to.....	402
(At this depth the casing was reduced to 6⅝ inches) Blue sandstone to.....	420
(At this depth the water was shut off.) Coarse sandstone, with water and much gas, to.....	440
Light-blue sand to.....	445
Sand, with water, to.....	820

This well was cased from the depth of 420 feet to that of 820 feet with five-inch casing. Superintendent Youle states that this well was tested, and that about 100 barrels of brine and six barrels of oil were pumped from it daily for three months. It also furnished enough gas for a cook stove.

UNWISE METHODS.

Widely Prevailing Custom which is Injurious to the Oil Industry.

One of the most active operators in the Central California oil fields is C. J. Tallon of 368 Market street, who is the active organizer and promoter of several companies who either are drilling or soon will be drilling in the vicinity of Hollister, San Benito County. Mr. Tallon left this week for Seattle and British Columbia where he will appoint agencies for the sale of stock in the companies in which he is interested.

Said Mr. Tallon, on Monday, "The great trouble with some of our oil companies at the present time is, that they are using deceptive methods in the sale of their stock, selling promoter's stock for treasury stock, and thereby working a grave deception on the purchasing public.

"Lately I have heard of companies, the original promoters of which have effected large sales of stock for whatever prices the stock may bring. If they could get seventy-five cents a share, well and good; if they could not get but five cents the stock went just the same and the money obtained from the sale of this stock went into the pockets of the sellers instead of into the treasury of the company.

"No man should buy stock unless he knows that it is treasury stock instead of promoters' stock, for the money obtained from the sale of promoters' stock does not benefit the company in the least.

"The companies with which I have been connected have not sold a dollar's worth of promoters' stock and the promoters will not be allowed to sell their stock until enough money is in the treasury to pay for active development work in the line of machinery and the cost of drilling to the oil sand.

"Those companies that are thus deceiving the public will, when their deception is realized, work a grievous injury on the oil business. They will hurt not only themselves but other companies who are desiring to sell stock legitimately.

"The California Petroleum Miners' Association ought to take this matter up and expose those companies that are thus deceiving the public."

Just Ready to Commence Operations, Sunset District. Photo by Aston

Sale of Union Stock

Wm. R. Stoats, John B. Miller and J. C. Torrance of Pasadena are reported to be the recent purchasers of Senator Thomas R. Bard's interest in the Union Oil Company. The majority of the stock in the Union is held by the Petroleum Development Company.

BURNERS FOR FUEL OIL.

Successful Results in Using a New Apparatus for this Purpose.

All fuel oils are exceedingly complex, as they are made up of combinations of carbon and hydrogen which only a chemist who has devoted himself to investigating hydrocarbons can appreciate. The importance of this point for the practical purposes of the engineer lies in the fact that the various constituents of the fuel give off vapour at temperatures varying from about 100° F. up to the boiling point of oil, and when the boiling point is approached, a residue of solid carbon is formed which will soon choke any pipes or narrow passages through which the fuel may have to pass.

THE APPARATUS FOR BURNING IT.

In the mechanical spray, the oil is discharged under pressure into a burner, made of such a form that the jet is broken up into particles sufficiently small to burn readily at the firing point of the fuel. The full efficiency of the system can only be obtained by lining the furnace with fire-bricks, or other non-conducting material, so as to raise the furnace temperature (by preventing the absorption of heat into the boiler) until it is sufficiently high to vaporise the greater portion of the oil before it is burned. The quantity of air required to complete combustion is very largely in excess of what is chemically necessary, and the furnace space required for oxidation is large. The advantages of the system are, first, its simplicity; and secondly, its noiselessness.

The best results recorded show an evaporative efficiency of about 12.5 lbs. of water at 212° per lb. of oil. With Borneo oil this gives a fuel efficiency of 64.6 per cent.

SPRAY BURNERS.

In the second class the oil is introduced into the furnace in the form of a spray in the presence of a gaseous medium either steam or air. In most of these appliances a partial lining of firebrick is fitted in the furnace, and a brick bridge is put in to obtain complete oxidation of the fuel. The first apparatus consisted of two pipes placed one above the other, with their ends flattened to spread the streams of oil and steam. Oil is allowed to drop from the upper pipe into the jet of steam which passes through the lower pipe, and the oil breaks up into particles small enough to ignite as soon as the firing point is reached. This simple device has been improved upon by numbers of engineers, and most of the improved burners of this type take the form of concentric tubes through which the oil and steam are passed. This type is better known than any other, and has so far given the best results. The evaporative efficiency of the best burners of this type seems to be about 13 to 14 lbs. at 212°, but the supply of air required for oxidation, though smaller than that demanded by the first class of burner, is much above what is chemically necessary.

THE FURNACE GIVING BEST RESULTS.

An apparatus has been made, consisting of a retort maintained at a red heat, and into this a spray of steam and oil is blown; the oil is immediately volatilized and passes through holes in the retort into the furnace, where it is met by a stream of air in which the vapor burns with a clear blue flame.

An experiment with this apparatus showed that it was possible to produce a high furnace temperature and a smokeless fire, but the retort was soon completely choked by solid carbon, which became, if the temperature was allowed to fall, a pitch-like substance. This deposit presents the greatest difficulty in the way of completely vaporizing so complex a body as the ordinary fuel oil consisting of a number of hydrocarbon combinations each of which has a different boiling point.

A characteristic of these compounds is that in superheated steam they can be completely distilled without cracking, and this is due to superheated steam, by which the boiling point of the oil is lowered. This distillation does not take place with any other medium but steam.

To insure distillation it is necessary that the temperature of the oil should be raised to as near the boiling point as possible before it is admitted into the presence of steam, and it is in this part of the process that the danger of cracking appears. This difficulty has been overcome and, in an apparatus designed by Mr. Orde, an English engineer, complete vaporization has been secured.

WASTE GASES.

The vapor thus produced can be completely oxidised by the amount of air chemically necessary, and a larger quantity of oil can therefore be treated in the same furnace space, while the combustion is complete.

ANALYSIS OF WASTE GASES.

	per cent
Carbon dioxide	13.2
Oxygen	3.6 "
Carbon monoxide	0.0 "
Hydrocarbon gases	0.0 "
Hydrogen	0.0 "
Nitrogen	83.2 "
	100.0

ANALYSIS OF WASTE GASES.

	per cent
Carbon dioxide	12.6
Oxygen	4.0 "
Carbon monoxide	0.0 "
Olefines, & c.	0.0 "
Hydrogen	0.0 "
Nitrogen	83.4 "
	100 0

As regards efficiency, an evaporation of from 15 to 16 lbs. at 212° F. should always be obtained with dry oil.

The hydrocarbon vapor is exceedingly unstable, and appears to depend for its existence entirely on temperature. Efforts have been made to collect samples for analysis, but without success. In appearance it is milky-white, closely resembling the vapor given off from the retort used in the Pintsch gas system. The smell is pungent, and severe irritation is set up in the membranes of the mouth and throat if the vapor is inhaled.

At the temperature of the external air (60°) it was found almost impossible to ignite it, and the outer surface of the jet was at once condensed and formed an oil deposit of a very much lighter color than the fuel oil itself.

The flame when the vapor is burned in a boiler furnace over a layer of broken firebrick is of dazzling whiteness and becomes almost transparent as it approaches the bridge.

COMBUSTION OF HYDROCARBON VAPORS.

All gaseous hydrocarbons when exposed to a temperature of 1000 degs. F. become acetylene, and it seems fair to assume that the vapor will do the same. As the flame proceeds further into the furnace, however, and the temperature becomes higher, the hydrocarbon combinations must break up, and the rest of the vapor is probably burned as carbon monoxide and hydrogen

SUPERHEATED STEAM.

The two classes of apparatus first de

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160 Acres in the Heart of the Sunset District Kern County.

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All proven oil land with wells of other companies now being drilled on all sides of our property.

The derrick for our first well is in place and machinery now on the ground, and work being rushed as rapidly as possible.

We secured the best lands to be had several months before the great excitement in these districts, and we are prepared to offer a first-class proposition to investors.

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FRESNO, CALIFORNIA.

scribed do not vaporise the fuel before combustion begins, which means that of the heat generated in the furnace some considerable part is absorbed for this purpose, and is therefore not available for evaporating water. To attain to the temperatures required for complete vaporization, part of the constituents must be exposed to the heat of the furnace, but the quantity of heat can be reduced considerably below that which is necessary when the fuel is injected into the furnace as spray. The fact that superheated steam lowers the boiling point of hydrocarbon oils, and therefore prevents cracking, renders its employment essential if it is desired to burn the fuel as vapor. The objection to using it on board ship is of the loss of fresh water and the amount of heat lost in making this loss good by distilling sea-water.

AIR AS A SPRAYING AGENT

With air as a spraying agent there is no loss of fresh water, but it is questionable whether the quantity of steam used in the air compressors is not greater than that required in the burners and evaporators together. The complete combustion of petroleum spray depends firstly on the correct relation between the volumes of the oil and the spraying agent, and secondly on the velocity of the spraying agent, both of which requirements place air at a considerable disadvantage as compared with steam.

GENERAL CONCLUSIONS OF WRITER.

The general conclusions produced from the investigations the writer has made are as follows:

(1.) Liquid fuel of good quality, such, for instance, as Borneo oil, used in boiler furnaces, if efficiently treated, should show a reduction in consumption of about 40 per cent. as compared with coal.

(2.) A reduction in bunker space of about 15 per cent for the same weight of fuel; a reduction of about 50 per cent for the same radius of action.

(3.) A reduction in the help employed of at least 50 per cent.

The advantages of liquid fuel as regards ease of manipulation, cleanliness, absence of smoke, reduced temperature of hold as compared with coal increased life of boilers owing to constant temperature, improved performance of engines owing to constant steam pressure, need not be enlarged upon.

IMMUNITY FROM DANGER.

With a fuel oil of which the flash point is 200 deg. F. or over there should be no risk of explosion whatever, and unless there is want of ordinary care in the management of the burning apparatus and the fuel supply the danger of fire ought not to exist.

ABOLITION OF DIRT.

The most fruitful cause of fires appears to be intermittent action of the burning apparatus. This may arise from dirt in the oil or from the presence of water. To get rid of the dirt it is only necessary to provide a filtering apparatus. All crude oils have a certain proportion of water intimately mixed with them, and as the specific gravity of most fuel oils is from ·9 to ·98, it is exceedingly difficult to to eliminate this water by gravitation unless the temperature of the mixture is high. The expansion of oil under increase of temperature is considerably greater than that of water, and some arrangement whereby heat can be applied to the contents of the tank seems to be necessary where crude oil is used.

THE WATER DANGER.

In furnaces where the oil fuel is burned in the from of vapor the danger of extinction from the fact that water is present is of course considerably reduced, for any temperature that is sufficiently high to vaporize a fuel is more than sufficiently high to evaporate water, so that when water passes into the apparatus with the oil it flashes into steam, and though it breaks up the stream of hydrocarbon vapor it does not prevent each fraction from burning unless the amount of water is abnormally large.

An experiment made by the writer showed that the fire was not extinguished when water was present in proportion of five parts of water to three of oil. The water in this case was added gradually and the contents of the bunker was constantly stirred, so as to secure as complete an admixture of the oil and water as possible.

With a burning apparatus of the second type, where the oil fuel is introduced in the form of spray, the danger of extinguishing the fire when water is present is of course much greater, but with a well designed installation and proper care on the part of the attendants such accidents as fires should be impossible.

Oil In the River-bed.

Around the ground where first discovery of oil was made in the Kern River field, which lies on the north bank of the Kern River, a good deal of drilling has been done, both in the bottom lands and the banks of the stream on both sides. From the indications observed in these operations it has been thought that the river-bed is composed of twenty feet of sand superimposed on a clay stratum fifteen feet in thickness, and beneath this lies the oil sand. If this is correct it is not improbable that oil wells will be sunk in the river bed which is now diverted into the Kern Land Co.'s ditch a short distance below the petroleum belt.

Oil Lands for Sale.

In another column will be found an advertisement of Wm. D. Mackay of the Claus Spreckles building. Mr. Mackay represents a company with something over 4000 acres of valuable oil land in Kern, McKittrick and Coalinga districts. The company offers this land to suit at reasonable prices to individuals or corporations who intend doing actual development work in the immediate drilling of oil wells.

Pacific Land and Oil Syndicate.

(Incorporated)

200,000 shares, par value $1.00.

This syndicate has the largest acreage of any oil company in the State; 14,500 acres in Kern River and McKittrick Districts, Kern County.

Lands surrounded by wells fo-sale or to lease for immediate der velopment.

Agents wanted throughout the State.

On account of the increased value of these lands, and realizing the necessity of more rapid development, this syndicate has concluded to offer 10,000 shares of its stock for sale at $1.00 per share.

Address all communications to PACIFIC LAND & OIL SYNDICATE, 308 Pine street, S. F.

A Guaranteed Proposition.

THE FAMOSA OIL AND INVESTMENT CO.

Offers to Investors an Absolutely Safe Investment.

The Famosa Oil and Investment company offers to investors an absolutely safe investment. Stock holders get back dollar for dollar in the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to o the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famosa is capitalized for $350,000 Par value, $1.00 and is underwritten by the Pacific Coast Underwriting Company and guaranteed by the Continental Building and Loan Association of San Francisco, with assets of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

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T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famosa Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

Office, Room 393 Parrott Building, = San Francisco.

Branch Office, 1330 E Street, San Diego, Cal.

STILL BURNING OIL.

Liquid Fuel to Be Retained on the Southern Pacific.

In spite of the report that the Southern Pacific company had decided to discontinue using oil on the Owl, this fast train is still being hauled by oil-burning engines, and a new engine, No. 1110, which has just come in from the East, is fitted to burn oil also. This is an up-to-date engine, equipped with 20x24 cylinders and 73-inch drive-wheels.

A report was published to the effect that the Southern Pacific Company had decided to abandon the use of petroleum as fuel on the engines pulling the Owl train. Two reasons were given for the change. First, because the oil does not make steam fast enough for an engine running as rapidly as that on the Owl's time. Railroad men on the inside claim it is because the oil increased the liability of disaster.

They claim the superintendent had decided to resume the use of coal after figuring that in the event of a wreck on the Owl train the petroleum would be scattered over the debris and envelop the train in flames. It was calculated that more casualties result from this than from mangling the passengers in telescoped or overturned cars.

Petroleum burners were put in the engine as a matter of economy and for the reason that the company's coal supply was running short.

There are forty-four oil-burning engines on the San Joaquin division between Fresno and Los Angeles and thirty-four on the Los Angeles division between that city and Yuma.

Acetylene Gas vs. Illuminating Oil.

German experts are inclined to believe that petroleum, which had nothing to fear from gas manufacturers or electric-lighting engineers, may find a successful rival in the illuminating power developed from calcium carbide—or, rather, from acetylene—which can be produced from it without any elaborate plant and by very simple methods.

The illuminating power of acetylene is approximately fifteen times that of ordinary gas, and since 15 c. m. of the latter give as much light as 6 l. (1.32 gal.) of petroleum, 1 c. m. of acetylene gas suffices to produce the equivalent amount of light. One kilogram of carbide, which furnishes from 300 l. to 330 l. of acetylene gas, therefore is equal in light producing power to 2 l. of petroleum, and even at this moment, when acetylene production is still in its infancy, is cheaper than this quantity of mineral oil.

It would require merely the invention of a portable acetylene lamp to oust petroleum from its dominant position in domestic illumination in Germany, though, of course, the carbide production is as yet too restricted to supply the whole demand covered at present by the use of mineral oils, of which Germany imports annually 1,100 million hectolitres.

To supplant this import, 600,000 tons of carbide would be required, to produce which power-plants aggregating 500,000 to 600,000 h. p. would have to be laid down. Nevertheless, the introduction of acetylene as a source of domestic illumination, as far as the supply offices, would, according to the experts above mentioned, protect Germany against the effect of all arbitrary and sudden variations in the price of petroleum, and divert a large amount of capital to home industries.

Before Investing In Oil Stocks

Find a Company with small capitalization whose lands lie in a thoroughly proven oil field.

The Pacific Coast Oil and Development Co.

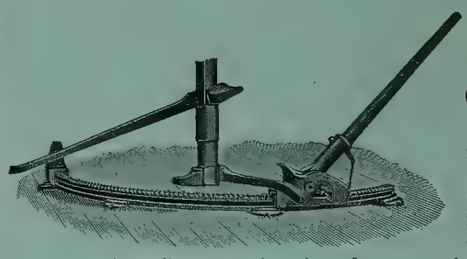
Office, 209 Hearst Building, San Francisco.

Is such a Company. Prospectus, Maps and full information supplied at our office on application.

Will receive orders for a limited amount of Treasury Stock at 50 cents a share,

But reserve the right to cancel this offer without notice.

Pacific Coast Oil & Development Co.



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Manufacturer

OIL & GAS WELL RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices, etc., inquire of

D. HOOKER Los Angeles, Cal., W. FORGIE, Washington, Pa.

THE SOVEREIGN

NO MORE STOCK

At 50 Cts.

Will receive orders for a limited amount of treasury stock

At 75 cents

The Sovereign is under the same management as the Sterling Oil and Development Company. Its property is proven oil land in the Kern River oil district. It has two Standard rigs working night and day and will continue to work until 40 wells have been completed. Well No. 1 struck the producing oil sand on November 27th. Well No. 2 will be in oil this week. The property is between that of the Peerless and the Sterling Oil and Development Company.

Orders for treasury stock will be filled in the rotation of the receipt of order, the company reserving the right to cancel this offer without notice.

Maps and prospectuses can be obtained at our office, 35-36 Crocker Bldg., San Francisco, Calif.

'Phone Red 1751.

WELL NO. 1 IS IN OIL
WELL NO. 2
Will Be In Oil
This Week

Officially Complimented.

Copies of the resolutions recently adopted by the California Petroleum Miners' Association were sent to President McKinley and Land Commissioner Binger Hermann. The resolutions contained expressions complimentary to the official course of the commissioner, who upheld the interests of the oil men against the predatory inroads of the scrippers. Mr. Hermann acknowledges the receipt of the resolutions as follows:

Office of the Commissioner.
[Department of the Interior General Land Office Washington.]
November 27, 1900.

Hon. L. P. Crane, President California Petroleum Miners' Association, Room 33, Mills Building, San Francisco, Cal.

My Dear Sir: Your kind favor is just at hand and it is a source of profound satisfaction to have the assurance which you so kindly tender me from yourself as well as from your association in compliment of my official services in the matter of fair dealing toward the petroleum interests of California, and as to extending to those resources every facility for their development, at the same time enabling the government to ascertain, with care and accuracy, what are the oil lands in California subject to disposal by the department. That there might be no mistake or injustice done, and that I might the more clearly comprehend from personal observation the real situation I made a visit to a portion of the great oil fields in California the result of which confirmed me in the correctness of the course previously taken by the department and as to what was further required along the same lines thereafter and I also became confirmed in the wisdom of the recommendation made by me and submitted to the last Congress as to necessary legislation for the acquisition of title to petroleum lands. The present status insures a timely examination and pending that a prevention of consequences inconvenient as well as costly. As an early pioneer of the Pacific Coast I realized years ago the necessity for a liberal policy on the part of the United States as to the encouragement given in developing the great mineral resources of the country and the adoption and continuance of that policy up to the present time has done much toward making the Pacific Coast States what they are to-day in the great sisterhood of the American Union.

Kindly submit to the enterprising gentlemen who constitute your association my appreciation of the kind words so generously expressed in their resolutions, and with personal regards to them as well as to yourself, I am,

Very Respectfully Yours,
BINGER HERMANN,
Commissioner.

400,000 Shares of Oil Stock
FOR SALE

Monarch, Lion, Occidental, Salinas Oil and Development Co., Etc.

Address ——

S. S. SIMON, Original Owner,
573-574 Parrott Building
Telephone, South 757
Oil Lands given for development purposes or for forming companies

LET US FIGURE

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Building Rigs, Derricks & Camp Houses
COMPLETE
In any Districts of Kern County.

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Analytical and Consulting Chemists
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15,000 Acres
CHOICE OIL LANDS
Cantua and Coalinga districts
Fresno county.
$3 to 10 per acre

Address W. A. DESBOROUGH
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A. ZELLERBACH & SONS
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Paper and Paper Bags, Twine and Supplies of every description incidental to the trade.

We carry the largest stock. Our prices are Equitable.
Tel. Main, 1133.

SALINAS OIL and DEVELOPMENT COMPANY.
Capital Stock, $1,000,000 1,000,000 Shares, $1 each.
Stock Non-Assessable. 2000 Acres in Monterey County

OFFICERS
Wm. N. McCarthy .....president and treasurer;
J. J. Gunn, ... vice-president
J. B. Olsen, ... secretary
Jno. C. Quinn, ...superintendent

DIRECTORS
C. A. Burcham, J. E. Baker, N. A. Dorn,
W. J. Ellis, S. S. Simon;
Nevada Bank,..... depository.

State Mineralogist Prof. A. S. Cooper last week examined our property and reports to us in part as follows:

"I have examined that part of your property adjoining the bituminized sand deposit, and find that the axis of the San Antonio anticline passes through this property. That the shales constructing the anticline are highly bituminized. The axis and strike of the anticline runs S. 35 E. and N. 35 W. This anticlline is made very conspicuous on account of the white leached shales. The northeast dip of the anticline are sandstone strata filled with viscous bitumen. Near the axis of the anticline the shales are highly silicated and are black in color, and this color is owing to the presence of bitumen when they were silicated. After they were ilicified the shales were cracked and seamed each crack and seam, however minute, has been filled with ascending viscous bitumen. A large number of springs containing sulphurated and carbureted hydrogen are found near the apex of this anticline. Mineral waters nearly always accompany bituminous springs in California.

Judging by analogous conditions existing in other oil fields, and in consideration of the geological conditions described, it is probable that petroleum oil may be obtained through wells drilled in this district. It is almost a certainty that carbureted hydrogen will be obtained having a high pressure. (This means a flowing well).

"The property is easy of access. There is an abundance of wood and water on the ground to carry on the work of drilling and in the case of he construction of a pipe line the descent would be continuous to the railroad

I am of the opinion that you are justified in sinking wells."

Mr. S. S. Simon, a successful expert and locator of wells, says: "The anticlines, shales, fossiliferous deposits, bituminous rock and other formations found upon this property, and which indicate the presence of oil, are the finest and most perfect of any in this state. I am satisfied this district will be found to be a lake of oil."

Rig Will Be erected and operations Begin at once

For a limited time stock may be had at the office of the company at 15 cents a share.
For further information apply to J. B. OLSEN, Secretary

573-574 Parrott Building.

GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County

Best Investment On the Market

Absolutely Non - Assessable

Sockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages.

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows

Sunset-and McKittrick District, Kern County.
Coalinga District, Fresno County. Kettleman District, Kings County.
and Contra Costa County

SECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful development is absolutely assured.

12,000 Shares Sold In One Day.

One Hundred Thousand Shares Sold in Less than Three Months

Second 100,000 shares now selling rapidly at $1.00 per share; will probablybe sold by January 1st, when 3d 100,000 shares will be placed on the market at $2.50 per share. Now is the time to buy

The Officers of the Company are all well-known business and professional men

A. G. Deardorff.....President
J. M. Merrell.....Vice-President
John Choice.....Secretary
Wells-Fargo Bank.....Depository
F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
John Choice J C Sala F. A. Berlin
R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO Tel. South 740

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

Oil Notes.

FRESNO.

The Independent Oil Company operating at Coalinga, has commenced drilling on its No. 5.

KERN.

The well of the Hanford-Fresno-Kern River Company, now drilling on the Northwest quarter of 29, 28-28, is down 700 feet.

The Potts Oil and Development Company, operating on sec. 23, 11-24, is said to have struck a good flow of gas in its first well.

The Coast Range Oil Company is down 430 feet, the last 40 feet being blue clay.

LOS ANGELES.

Operations on the Raymond and New England properties are at a standstill on account of want of fuel. The supply was cut off by the destruction of the roads in the recent storm.

Several delays occurred in the installation of the Central Oil Company's water system at Whittier, but it is now in order.

The Rodeo Oil Company's well at the East end of the local field in eighteen hours pumped seventy barrels of oil. The company is well pleased with the showing and has ordered two more derricks built on the property, and development work will be pushed vigorously.

The Pico Oil Company, operating on the East side, has removed the joint of collapsed casing from its well and drilling was begun again yesterday.

The Congress Oil and Pipe Line Company expect the real oil sand will be struck within the next 200 feet on its east side well in the local field.

The Pacific Slope Oil Company has closed a contract for drilling five more wells on its property on the Weid tract, in the western extension of the local field.

The Alliance Oil Company, drilling near the Newhall tunnel, finds the progress made only about eight feet a day.

The Jacilitas Company

The Jacalitas Petroleum Company which has been operating for some time in the Fresno-San Benito District has just purchased sixty acres of land in the Kern River District and will commence development work at once, the first derrick now being in course of construction.

As this land has been pronounced by experts to be as good as any in the field and is rapidly increasing in value, the company feels that the success of the enterprise is assured.

Oil in Colusa.

In Colusa the latest reports from the Gorrill well are to the effect that the well is completed.

It is now capped and is kept secret although the owners are trying to secure new territory in the neighborhood. The Herron well also in Colusa has completed their fishing job and are now drilling through hard formation. It is down 700 feet.

WANTED Twenty or forty acres of proven oil land in Kern River oil field on royalty with option to purchase will commence development immediately. California Crude Oil company, room 6, 8th floor, Mills building, San Francisco.

GLENN COUNTY.

Active Development in This New Oil District

The Great Northern Oil Company began drilling in the Stony Creek district on Nov. 28, and are making fine progress. They have a first class machine and have it housed in so they can work rain or shine. They hope to be a producer soon.

The following companies have secured land in the Stony Creek district: Natural Oil Company, Live Oak Oil and Development Company, Stony Creek Oil and Development Company, Briscol Oil and Land Company, Carson Oil Company and the Nevada Oil Company.

The Citizens of Orland in Glenn county are organizing a company to drill for oil in the northwestern part of the county. They think they have a very good field. There appears to be a great interest taken in the Glenn County oil district.

The Glenn County Oil and Coal Company have their machinery on the ground in the the district and will begin work in a few days.

Stock Sales.

The following were the stock sales in the new Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, December 5:

CALIFORNIA STANDARD.

1000 at	29	290 00
2700 at	33	891 00
5000 at	34	1700 00
2500 at	35	875 00
300 at	31	93 00
26500 at	32	8480 00
1300 at	38	494 00
300 at	39	117 00
2000(B30)at	40	800 00
500(B10)at	40	200 00
1500 at	40	600 00
12500 at	30	37501 00

CARIBOU.

600 at	35	210 00
200 at	29	58 00
200 at	30	60 00
300 at	32	96 00
200 at	37	74 00
200 at	38	76 00
300 at	40	120 00
100 at	46	46 00
100 at	63	63 00
100 at	50	50 00
640 at	75	480 00
400 at	75	304 00
300 at	78	234 00
600 at	79	474 00
550 at	65	357 50
300 at	60	180 00
400 at	51	204 00
600 at	52	312 00
800 at	80	640 00
400 at	70	280 00
300 at	55	165 00
700 at	60	420 00
400(B20)at	60	240 00

EL DORADO.

50 at	2 00	100 00

FOUR OIL CO

500 at	42	210 00
255 at	40	102 00
2500 at	41	1025 00
700 at	43	301 00

HANFORD.

20 at	120 00	2400 00

HOMESTAKE.

50 at	12 00	600 00
25 at	11 50	287 50

HANFORD-FRESNO-KERN RIVER.

500 at	21	105 00
600 at	23	132 00
500 at	24	120 00
400 at	30	120 00

HOME OIL.

1400 at	4 45	6230 00

INDEPENDENCE.

500 at	21	105 00
750 at	20	150 00

KERN RIVER.

20 at	17 50	350 00
10 at	17 25	172 50

LION.

600 at	31	186 00
100 at	26	26 00

McKITTRICK CONSOLIDATED.

200 at	48	96 00
1150 at	40	460 00
150 at	45	67 50
400 at	50	200 00
100 at	47	47 00

MONARCH OF ARIZONA.

300 at	41	123 00
600 at	40	204 00
100 at	42	42 00

MONTE CRISTO.

1500 at	1 40	2100 00
700 at	1 45	1015 00

OCCIDENTAL OF W. VA

500 at	63	315 00
400 at	65	255 00
300 at	70	210 00
550 at	69	379 50

OIL CITY PET.

15 at	34 25	513 75
10 at	34 75	347 50
10 at	34 50	345 00

REX.

250 at	85	212 50

SHAMROCK

450 at	1 10	495 00
200 at	1 22½	245 00
1250 at	1 15	1422 50
400 at	1 27½	510 00
200 at	1 30	260 00
100 at	1 25	125 00

STERLING O & D CO.

100 at	2 90	290 00
20 at	2 55	51 00

SAN JOAQUIN

250 at	9 37½	2343 75
95 at	9 25	878 75

REED CRUDE.

1000(B90)at	51	510 00
700 at	50	350 00
1000 at	49	490 00

PETROLEUM CENTER.

1800 at	23	414 00
100 at	24	24 00
2847 at	22	626 34
9709 at	20	1941 80
1500 at	19	285 00

TWENTY-EIGHT

100 at	2 45	245 00
100 at	2 25	225 00
1850 at	2 50	5425 00
220 at	2 55	561 00
300(B60)at	2 55	765 00

Shares 105,196 Amount $61,538 49

HOWARD H. SHINN

Member Producers' Oil Exchange and San Francisco Stock Exchange Board.

318 Pine St., Rooms 7 & 8

Oil Stocks and Securities.

JOSEPH B. TOPLITZ

Member Producers' Oil Exchange

Stock Broker

Oil Stocks Bought and Sold. Correspondence solicited.

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Telephone Bush 385.

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J. C. Pascoe, Vice President
R. R. Haskell, Treasurer
P. H. Reynolds, Secretary

The Esmeralda Oil and Development Co.

Capital stock 100,000 shares
Price per share $1.00

We own 404 acres of the choicest oil lands in the famous Panoche district, San Benito county, California. We are now boring and rapid progress is being made. **Free from Debt—Ample Funds.** No salaries paid to officers. Treasury Funds will be used for development purposes only.

A. KINGSBURY, - Gen'l Agent,
Room 565 Parrott Building
Telephone, Folsom 1881.

The CONTRA COSTA OIL and PETROLEUM CO.

Capital Stock $500,000

Shares . . . $1 Eac

T ; is operating on land known to be oil land, as in 1864 a shallow well was drilled which yielded oil of a good quality

A railroad runs within a mile and a halt of the property, and tide water is only eight miles distant. For map and prospectug address any of the officers, or

G. GRIFFITH,
Assisstant Secretary.
Hearst Building, San Francisco

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Viavi Co.	"	13
Cogswell College	"	11
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PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

Telephone, Bush, 176

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MONEY should be sent by Postal Order, Draft or Registered Letter, addressed to Pacific Oil Reporter, 318 Pine street, San Francisco, rooms 31-32-33. Communications must be accompanied by writer's name and address, not necessarily for publication, but as a guarantee of good faith.

Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, DECEMBER 7, 1900.

State's Oil Progress.

The material progress of the oil industry of the northern part of the state during the past few weeks has not been equal to expectations, but the record of incorporations shows that prospecting at least will continue to be pushed with vigor during the remainder of the year, although up to the present time nothing has been found in the way of producing wells in this part of the state. Development has been actively pushed in the South, particularly in the Kern River field, and some of the greatest producers up to the present time discovered, among them being several flowing from 400 to 500 barrels a day, tank measurement. An estimate made by a Southern paper places the average output at sixty barrels per pay for each of the sixty wells completed during the month. In Sunset and McKittrick several excellent producers have given these districts a reputation, which is attracting investors from every hand. In Fresno the Coalinga field is diminishing its output, but there is considerable activity on a new section of the district recently opened up by outsiders. In the Temblor field there is considerable activity in drilling, but not much has been accomplished in Kreyenhagen and the Kettleman hills. South of Tehachapi the usual development work has been going on, and the recent heavy storm in that section, while it arrested work temporarily, has given promise of revival in industry, hampered as it has been in that section by the scarcity of water for development work. Special interest in the southern district is centered in Fullerton and Brea Canyon, which although of less area than the San Joaquin section have opened up some excellent producers, and prospecting is extending toward the southeast, in which direction the field is believed to extend. In the city field the Western extension is occupying the attention of oil men. Some drilling is going on in San Diego and San Bernardino counties, but so far without result.

Along the coast the greatest activity has existed around Piru, where over twenty rigs are running, and the Union keeps five strings of tools constantly running on its Torrey Canyon property. Santa Barbara, San Luis Obispo and San Benito counties are all showing good progress, but no strikes of importance are recorded outside of the Summerland field.

Taking the state as a whole, it may be said that the oil business shows a good healthy growth, without the inflation which is the natural result of quickly made fortunes and consequent over-excited state of the public mind, familiar to the Californian from the early days of the gold mining industry.

Is Being Recognized

Pres. L. P. Crane of the Petroleum Miners' Association has been appointed a member of the Executive Committee of the California Miners' Association and another member of the committee will be appointed from the oil men during the coming week. This is a substantial method of recognizing the oil producers, as it will bring their delegates into the councils of the Association, and give them sufficient number of votes to enable their representations to carry weight.

and Monterey counties, containing numerous oil seeps and outcroppings of bituminous rock and asphalt. The company begins operations with $3250 in the treasury, paid in by its incorporators, and intends to purchase a Standard rig at once and expects to begin boring by the middle of January. A limited number of shares of treasury stock will be sold at 15 cents per share to secure additional funds for development purposes.

The officers and directors of the company are: W. H. Langdon, president; Frank H. Miles, vice-president; J. L. Geary, Jr., secretary; G. S. Conner, treasurer; F. H. Allen, G. M. Kelly, J. C. Quinn. The offices of the company are rooms 364-5 Parrott building.

ch for the holiday number o PACIFIC OIL REPORTER.

Our Christmas Number.

On December 21 the Christmas edition of the PACIFIC OIL REPORTER will be published. It will contain fifty-six pages of oil news, gathered from every section of the state. It will contain over one hundred illustrations and half tone reproductions of photographs taken expressly for the PACIFIC OIL REPORTER and show better than anything else the importance and extent of the oil industry of California.

Individuals and companies desiring to advertise in this edition should send in their orders at once. Those desiring extra copies of the paper should engage them in advance.

Steadily Increasing

The business of the Producers' Oil Exchange is steadily increasing. Week before last the sales of stock amounted to over $45,000. This week the sales amounted to over $65,000.

While in San Francisco there seems to be a constantly increasing willingness to invest in oil stocks, in Los Angeles the tendency seems to be the other way, the sales of stock in the Los Angeles Oil Exchange growing less every week.

The fact is San Franciscans are waking up to the possibilities of money making by investing in oil stocks. There is hardly a company listed on the Producers' Oil Exchange the stock of which has not materially advanced during the past year. That some stocks have not advanced more is due to the fact that some of their promoters' stock has been dumped on the market at ruinous prices, thus preventing what would otherwise have been a decided advance in price.

A promoter or a director who will thus injure his company by underselling its stock ought to be expelled, and his stock taken from him, or be made valueless.

In spite of a few drawbacks of this nature the oil-stock market in San Francisco has been steadily on the rise, and spring will see the weekly sales easily reaching the $100,000 mark.

Normal Oil Company.

A new company to be known as the Normal Oil company was organized in this city last evening. The company is incorporated under the laws of the territory of Arizona and its stock is non-assessable. Its holdings consist of 720 acres of the most promising oil lands in San Luis Obispo

PACIFIC COAST UNDERWRITING COMPANY.

The Pacific Coast Underwriting company have recently secured new quarters—Rooms 507-508-509, 5th floor, Parrott building.

Branch offices—Los Angeles; W. B. Burrows, manager; 334 Wilcox building.

Seattle, Washington—L. C. Dillman, Manager.

During the last month, this company incorporated thirty companies and underwrote $1,850,000 worth of stocks. If you require capital to develop your mines, oil lands, patents, manufacturing or mercantile business, communicate with them. Interest bearing and non-interest bearing bonds furnished. Prepaid bonds maturing in ten years. Interest bearing bonds, maturing in fifteen to twenty-five years, coupons attached, interest payable semi-annually; safest and best investment that can be made.

Companies incorporated under the laws of any state or territory desired. Charter, seal, corporation books, etc.; everything furnished complete. The company employs an attorney to look after this branch of the business.

Proven oil lands for sale or lease—960 acres located in the Coalinga district, 1000 acres located in the Newhall district. This is a grand opportunity for any one wishing to promote an oil company. People wishing to make investments will do well to communicate with this company. All business strictly confidential. Bank references furnished upon application. Call or address, Main office, 508 Parrott building, San Francisco.

BITUMEN IN SHASTA.

The first find of bitumen in the Northern California field is credited to Shasta county, where it was identified by C. W. Pope. Specimens brought to this city are hard, not readily scratched, with a slaty cleavage, and closely resemble slate in color and general appearance. When a match is applied the substance melts like resin and gives off an oily smell.

Though long exposed to the elements the float when tested by fire will burn freely and exude oil. The reason the deposit has never attracted attention until now is perhaps because a great deal of slate is mixed with the float and because the presence of mineral oil in this county until recently has been never more than barely suspected. A crew of men will be put to work soon to crosscut the deposit in the effort to locate the main body.

The location of the discovery is northeast of Redding in Shasta county where it was found by prospectors looking for oil. Over a hundred acres in that section is thickly covered with the bituminous float.

Oil on the Colorado.

Dr. Bowers, the State Oil Examiner, was lately in Yuma, looking at the gas and oil indications, and recently there has been seen an increased amount of oil floating on the surface of the water of the Colorado river in that neighborhood. Near the holes formed by the bubbling gas a greasy substance wonderfully resembling petroleum, but without odor, may be plainly seen. It covers the water for quite an extended area, and all who have seen it pronounce it to be oil. Robert S. Hatch secured some of it recently, and sent it to Los Angeles for analysis.

In the meantime, the Southwestern Oil and Development Company, composed of Yuma people, is making rapid preparations for the sinking of a well, and are firm in the belief that they have oil land. As almost all of them own land in the neighborhood, they have raised a subscription to test the field. It is said that several local capitalists of Yuma have stated that they will do the same, so that the amount necessary to start work is ready. A new rig of the latest pattern will soon be ordered from San Francisco, and prospects are good for an early beginning of operations.

Lost Their Tools.

Hydraulicking operations are now going on on section 24, 28-27, where the Santa Barbara and Kern are engaged in development work. The tools of the company were covered by a great upheaval of sand from the bottom, caused by gas pressure.

The Road to Wealth

Headquarters School and Government Lands.

Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick Devil's Den, Mojave Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

WISEMAN'S LAND BUREAU

237 W 1st street

Los Angeles, California.

Oil Prospecting in a City.

The oil development work which has ruined the appearance of Northern Los Angeles seems to be likely to be repeated at Whittier. The local paper states that the Palo Solo Oil company has shipped its rig from Ventura county, and in a few days will commence drilling on the thirty acres leased from C. W. Harvey in the eastern section of the city, on property which includes the former site of the Greenleaf Hotel. Work would have been begun before but for some difficulties experienced in completing the lease. The company proposes to begin operations on the lease with the intention of putting down a deep well, if necessary. A strike in this vicinity would prove up a large amount of territory and would result in turning the entire northern part of the city of Whittier into an oil field.

The "Fortune" Looks Like Oil.

The California Fortune Oil company, recently organized under the laws of Arizona, has 320 acres in Coalinga, eighty acres in McKittrick, and eighty acres in Sunset.

As soon as their rig, which has been ordered, can be placed on the ground the work of drilling will be prosecuted continuously till oil is reached. The Fortune is a strong company with substantial backing, and in view of the extremely close proximity of the many producing wells adjoining them we predict very quick success. The company will put down its first well on section 34, township 12, range 24, Sunset district, adjoining the sections of the noted Monarch and the Jewett-Blodgett-Beal wells which proved good producers at 500 feet.

Mr. A. B. Wooster, the president, is now on their land in Sunset, where he has gone down in advance of the machinery to personally look over the ground and select the first well.

W. C. Carpenter, who is one of the directors, is an oil man of wide experience, and is well known as the successful promoter and secretary of the above mentioned Monarch Oil company of Arizona.

The Gray Gander

The recent strike on the Edgar is said to have produced oil in such quantities that it ran down the canyon for a hundred yards from their well. The Gray Gander is now going through the same formation. They have only a small amount of stock for sale, as it will soon be withdrawn from the market.

Notice.

The Gypsy Queen Petroleum company, incorporated under the laws of the state of West Virginia, August 16th, 1900, with E. T. Maxwell president, and Frederic M. Lee, secretary, having offices at Fresno, Cal., and the Gypsy Queen Oil company, incorporated under the laws of the State of California, December 9th, 1899, with Jos. A. Stulz president, and Harry L. Baker, secretary, having offices in rooms 31 and 32, 7th floor, Mills building, San Francisco, ARE TWO SEPARATE AND DISTINCT CORPORATIONS, AND ARE IN NO MANNER WHATEVER CONNECTED, and their property is located in entirely different districts.

Interests Separated.

The property interests of E. L. Doheny, who looks out for the Santa Fe Company in the Kern River field, have been identified for some time with those of Chanslor & Canfield, the Coalinga operators, in the Petroleum Development Company and in property owned by them jointly in 29, 28-28. An arrangement has been effected by which Doheny takes stock in the Petroleum Development Co. and Chanslor & Canfield receive the holdings in section 29. The property owned by the Petroleum Development Company is mostly proven oil land, amounting to 4,800 acres. It contains twenty-nine wells, and is very valuable, consisting of sections 2, 3, 4, 8, 9, 10, 12, 16, and 17 in 29-28; 18, in 28-28; 23 and 24 in 28-27; and 12 in 29-29. Doheny has now a two-third interest. A. B. Butler retains his original one-fifth, and the remainder is divided among small holders.

The X. L. N. T. Oil company, operating at Coalinga, owns 320 acres (unincumbered) of choice land in the oil belt of that locality on the west half of section 3, township 19 south, range 13 east. Prominent oil experts who have personally examined this property are quite enthusiastic in their praise and report that oil in large quantities and of an exceptionally fine quality exists. It is predicted that by drilling about 1000 feet an unusually large flow will be obtained. This company is organized under the laws of Arizona and legally guaranteed to every shareholder that the stock will never be assessed. A small amount of stock is being sold at 50 cents per share.

Casmalia, Ranch, Oil and Development Co.

Incorporated under the laws of California

Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well known business men of San Francisco, and have put up their own money for developments thus far. The office of the company is in room 404 Call Building, where the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

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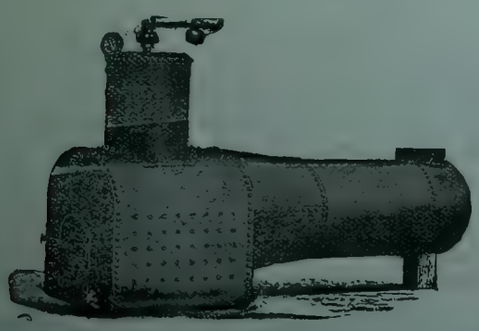

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THE MONTH'S PROGRESS

Herald's Summary of Wells Completed in November.

Number Completed.—Coalinga 4, Midway 1, Temblor 3, McKittrick 15, Sunset 8, Kern River 60, San Luis 1, Santa Barbara 2, Summerland 7, Santa Paula 4, Buckhorn 3, Fillmore 3, Piru 8, Los Angeles, 50, Newhall 6, Whittier 4, Fullerton 11, Los Angeles county 1, Riverside 1—total, 192; increase over October, 45.

Production of New Wells—Coalinga 120, Midway 60, Temblor 30, McKittrick 100, Sunset 200, Kern River 3600, Summerland 111, Santa Paula 55, Buckhorn 200, Fillmore 45, Piru 230, Los Angeles 702, Newhall 138, Whittier 360, Fullerton 411. Total production of new wells, 6862; Increased production over October, 1441.

Failures.—McKittrick 3, Sunset 4, Kern River 5, San Luis 1, Santa Barbara 2, Santa Paula 2, Fillmore 1, Piru 13, Los Angeles 5, Newhall 2, Fullerton 1, Los Angeles County 1, Total 33.

The number of rigs and drilling wells in the field in the month of November are as follows: San Mateo county 1, Monterey county 10, Colusa county 3, Contra Costa county 6, San Benito county 13, Humboldt county 8, Santa Clara county 1, Alameda county 2, Mendocino county 1, Tulare county 1, Napa county 1, Shasta county 1, Marin county 1, Glenn county 2, Alcalde 3, Kings 1, Kreyenhagen 6, Kettleman 13, Coalinga 28, Buena Vista Lake 1, Sandcut 1, Midway 7, Tehachapi 1, Sunset 40, Temblor 14, McKittrick 37, Kern River 121. San Luis Obispo 6, Santa Barbara 24, Summerland 11, Buckhorn 1, Fillmore 12, Piru 27, Santa Paula 23, Los Angeles 80, Newhall 30, Whittier 36, Puente 5, Fullerton 35, Orange county 5, San Bernardino 1, Riverside county 5, San Diego county 9, Los Angeles county 31. Total 661, of which number 505 are actually drilling. This is an increase of 18 rigs and 88 drilling wells over last month.

Oil to Burn.

Alameda's City Board of Trustees have been discussing the expediency of substituting oil for fuel at the works run by the city. In canvassing the matter it was stated that oil could be purchased at from $1 to $1.15 per barrel laid down, and at the ratio of 3½ barrels of oil to a ton of coal the substitution would be reducing the cost to the equivalent of coal at $3.50 per ton, a saving of $2.50 a ton on coal.

The cost of installing is $20 for burners and $50 for four boilers and better burners will be purchased later from the proceeds saved by the change. The tankage required to run five nights would be seventy barrels, costing $120. The matter is still under consideration.

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Judge Fritz.....1st vice-president
R. A. Coleman.....2nd vice-president
I. J. Truman.....treasurer
E. Denicke.....secretary
Wm. M. Madden.....attorney
Columbian Bank.....Depository

DIRECTORS.

W. C. Carpenter A. McDonald R. L. Atkin

Location: Section 34, 12-24, Sunset District. In the same section there are five wells in operation.

Contract Has Been Let For Rig and Drilling Will Begin at Once

The Company also own 80 acres in McKittrick and 320 acres in Coalinga.

SURROUNDINGS—12-24 Sunset District.

On section 32 are eight wells; section 31 are four; and on 35 is located the large well of Jewett, Blodgett & Beale On the same anticline with the Monarch and Occidental.

Ten thousand shares only are offered for sale at **25c Each**

Office, 529 Parrot Building.

Apply to E. DENICKE, secretary.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

CONTRA COSTA.

The J. D. Harvey Company is down 650 feet. They have struck a shell of very hard shale, and two tools are kept constantly at work sharpening tools. Gas is very abundant.

The well of the Contra Costa Oil Company is down 300 feet, and oil is expected in the next 100. Gas and oil seepages are very abundant.

COLUSA.

Six hundred acres have been leased by San Francisco parties for oil development purposes. Work is to begin in four months.

No. 2 of Smith & Gorrill at Arbuckle is down 250 feet. No. 1 was down 556 feet when it was abandoned.

FRESNO.

Only 107 cars of oil were shipped out of Coalinga in November, or at the rate of a little over fiive and a half carloads a day. This is said to be due not to a falling off in production, but to a disagreement between the Coalinga Oil Company and the new owners of the Home Oil Company.

GLENN.

H. B. Elliott, one of the directors of the Glenn County Oil and Coal company, is superintending the work in the field.

The Great Northern Oil company is rushing the work of drilling in a satisfactory manner.

A number of claimholders of land along Briscoe creek, have organized the Briscoe Oil and Mining company. The company propose to bore for oil and expect to strike a vein of copper.

KERN.

No. 4 of the Junction Oil company is in oil.

No oil has been struck by the Hercules on 4, 29-28.

Reports not yet confirmed state that oil has been struck on Poso creek.

The sand in the Jewett-Blodgett-Beale well has been disposed of.

Drilling is again going on at the Arizona Western.

Three hundred feet is the depth reached by the Agricola on 2, 11-24, and the C. B. and W. on 2, 11-24.

The Mt. Diablo well has been perforated for the third time, and is now a good producer.

Seventy-five thousand dollars has been subscribed for the proposed Oil Exchange at Bakersfield.

Considerable water has been encountered by the Climax company at Temblor, wells No. 3 and 4 being water wells. 1 and 2 each produce twenty-five barrels daily.

Four hundred and seventy barrels tank measurement is the record of the McKittrick well on pumping twenty-four hours out of forty-eight. It is perforated for thirty feet.

Well No. 5 of the West Shore company has been producing 500 barrels daily for several days. The drilling record shows 580 feet of oil sand exclusive of clay, which is the largest formation in the field.

The El Zumo Puro is getting its rig up near the Climax, in the Temblor district. Other companies in this neighborhood do not seem to be meeting with success. The Nevada and the Eureka have stopped some time ago, the Common Sense has discontinued drilling, although oil was found, and the Climax is striking water.

Over 100 feet of sand have been passed by the Edgar on 1 28-28.

The Grocers' Company are down 150 feet on 31, 11-24.

The Arizona Western has 200 feet of oil sand at a depth of 1 000 feet, and still drilling.

Well No. 3 of the Four Company has a record of sixty carloads for November and is now pumping 350 barrels.

The 36,000-barrel tank of the Kern Oil company on 32, 28-28 will be finished inside of two weeks.

One hundred and twenty acres in section 7, 29-28, has been sold by the Wilson heirs for $300 per acre.

Eight-hundred barrels a day are going through the "Thirty-Three" Oil company's pipe line.

A ten-barrel well has been finished at 910 feet by the Clarke company on the SE¼ of section 20, 28-28. Water prevented further drilling.

A rig is going up on 8, 28-27, belonging to E. T. Barber, and Umphred and Barber have a rig up on 14, 28-27.

Two of the Standard Oil company's 35,000-barrel tanks are going up in the Kern River field.

The well on the east of 25, 28-27, belonging to the Kern Canyon Oil company, is classed at 100 barrels.

The Southern Pacific has leased the NE¼ of 7, 29-28, to C. F. Gardner for fifteen years.

Part of 28, 32-23, with other oil land amounting to 1500 acres, has been leased by the Lucky Nine Oil company to S. P. Creasinger of Los Angeles.

The Superior Oil company's well at Sunset continues to flow at the rate of twenty-five barrels daily from between the casing.

An eight-barrel well, with prospects of improvement at depth, is the showing made at 200 feet by Richardson, Orr and Metzger on 2, 29-28, on the extreme east of the field.

Well No. 3 of the Kern Oil company, situated on the SW¼ of 32, 28-28, has shown itself to be good for 400 barrels daily on a thirty-days test.

The scarcity of oil cars is likely to be relieved as soon as the Southern Pacific company's new double cars arrive. Cars will also be brought from the oil regions of the East.

The Corona Company, operating on section 33, 11-23, southeast of Sunset, is backed by Mexican capital.

LOS ANGELES

The O'Donnell Oil company is beginning to deepen an old well on State street.

L. G. Parker has resumed drilling at the corner of Omaha and Edgeware roads.

C. V. Hall is engaged in deepening his well on Lockwood street, known as No. 3.

The Sierra Oil company has completed its No. 9 well, east of the Baptist college.

The new well, recently completed by the Union Jack Oil company near Bel-

Continued on page 16

KERN RIVER OIL

AND DEVELOPMENT COMPANY

212 Sansome street, San Francisco, Cal.

Leases 130 acres in the Fullerton Oil district, Orange Co.,
Owns 320 acres in the Kern River oil district, Kern Co.,

250,000 shares of $1.00 par value. 100,000 shares in treasury.

Treasury stock for sale at $1 a share, **fully secured.**
Treasury stock for sale at 50 cents a share, not secured.

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BAKERSFIELD, CAL.

OIL REFINING.

Its Great Extent and Promise in California.

An interesting general review of the oil refining industry of California has been contributed to the Los Angeles Mining Review by L. Blankenhorn. Mr. Blankenhorn was the active manager of the first oil refining business of Jewett and Blodgett, established at Bakersfield a number of years ago, and he is now actively engaged in the oil business.

The writer takes a rosy view of the future of oil refining in this state, believing that the use of crude oil as a fuel will become secondary to the consumption of the refineries The writer says in part:

"A few facts, as presented below, indicate that the refining capacity already existing has reached a point that might absorb nearly the reported production for last year and may be expected to utilize within the next few years even more than the present estimated large production of 1900. The following views here expressed, it may be stated, will have reference only to the commercial aspects of the situation and the figures represent only general and average estimates borne out by results thus far reported They will not pretend to consider the matter from a technical standpoint. The usual products by distillation which have been sought for and found marketable with our simpler and inexpensive methods of refining are: Asphaltum, from 10 to 25 per cent; naphthas, under the various names of gasoline, stove naphthas and benzine, from 10 to 20 per cent; distillates, gas and fuel, from 20 to 50 per cent; illuminating and lubricating oils, from 20 to 50 per cent. Our crude oils used in refining range from 14 gravity Beaume (largely the products of Kern and Los Angeles counties) through the various products of Whittier, 18 gravity; Ventura county, 24 gravity; Fullerton and Puente, 32 gravity, and Coalinga 45 gravity, with varying qualities and gravities between and beyond those named.

"Asphaltum, as a semi-liquid product called maltha, now enters largely into use as a valuable flux or solvent for the harder and natural asphalts used for paving purposes everywhere. The harder asphalts have a varied application, for coating steel and iron pipe, the manufacture of street and interior electric conduits, for paints, varnishes, roof covering, etc.

"Distillates, so-called, and as known to the public commercially, are used by gas companies for direct manufacture or enrichment of gas, for use in gas engines or motors, and now in California reaching a large and increased consumption in ordinary cook stoves and house furnaces. The gasoline and naphthas are utilized as everywhere for use in isolated gas plants and the ordinary naphtha or gasoline stove in homes, factories, etc. The illuminating and lubricating oils are in universal use.

"Although a fair beginning in refining of California oils dates back only a few years, it has already reached an important point. Among the principal refineries already in operation are the following, the number of barrels given being the monthly approximate or 'about' capacity as they have been reported, or have been ascertained from the best available sources of information. In Southern California we have the Puente Oil company, 15,000 barrels, using only its own production, 34 gravity oil; the Asphalt Oil and Refining company, 6000 barrels; the Franklin Refining company, 12,000 barrels; Sunset Refining company, 20,000 barrels; American Oil and Asphalt company, 30,000 barrels; Southern Refining company, 6000 barrels; the Union Oil company (at its San Francisco works), 25,000 barrels; the Pacific Coast Oil company, 25,000 barrels; the Paraffine Paint company 5000 barrels. These with other small plants will approximate, therefore, a total capacity of 150,000 barrels per month of crude oil. A new one under construction in Los Angeles reports a capacity of 30,000 barrels per month to be added to the above. Some of these use only the lighter oils, manufacturing the lighter products, while the others seek chiefly to make a specialty of asphaltum production. Any attempt to estimate the relative proportions of products must be wide of the mark and it is unnecessary, as they vary with the seasons, conditions of supply and market, etc.

"In round figures we may estimate the value of the oil refinery products of California to be at present at least $3,000,000 per annum, and the value of refining as a factor in the oil industry thus definitely fixed. From these figures it must grow to many fold greater proportions. Whatever economic value the production of crude oil may have for California, in the giving of employment to labor and artisans, in displacing other fuel and by the retention of its value in the accumulation of permanent wealth at home, may be applied in a still greater degree to the growth of the oil refining industry, in that it will give indirectly permanent employment to more labor, involve greater displacement and saving of competing products, and lead to still greater proportion of accumulated and permanent wealth. It thus deserves fostering, encouragement and investigation, both from the commercia and technical standpoint."

Personal

General Francis V. Greene and party who are largely interested in the asphaltum business, have been looking over the oil and asphaltum prospects in Los Angeles and Ventura counties.

CALIFORNIA PETROLEUM MINERS' ASSOCIATION.

Incorporated May 28, 1900.

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L. Perry Crane.....president
O.A. Lane.....1st vice-president
J. C. Kirkpatrick.....2nd vice-pres.
E. D. Berri.....3d vice-president
Dr. C. T. Deane.....treasurer
W. B. Simmons.....secretary
Prof. E. B. Heald, G. H. Jones, W. B. Winn, Gen. J. M. Gleaves and B. Marks.

The object of this Association is to promote the interests of the oil industry of California and to furnish a bureau of information. It is establishing Eastern agentss consisting of reputable banker-and brokers in all the large Eastern cities, who shall represent oil companies who are members of this Association in the sale of their stock.

It is admitting to membership only those companies whose affairs can pass the rigid examination which is compelled by the Association. This examination is made by the attorneys of the law department, Hon. G. W. Baker and Edward H. Stearns, and by the membership committee of the board of directors.

Applications for membership can be obtained together with the necessary blanks by applying either in person or by letter to the president or secretary of the Association at its office, room 33, 2d floor, Mills building, San Francisco.

Eastern and Foreign correspondents.

Jacalitas Petroleum Co.

operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns.

Small capitalization. Economical management.

Write or call for a prospectus, map, etc.

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U. S. OIL & MINING COMPANY

Bakersfield, Kern County, Cal.

Are the owners of 600 acres of the choicest oil land in the Kern river and Sunset district. This company are the owners of a part of section 26, 12-24, only half a mile from the famous Jewett, Blodgett & Beales' big strike in the Sunset district upon which they are now sinking a well with every assurance of equally as good success as the formation and conditions are the same. A limited amount of stock is offered for sale at 25 cents per share for a few days only. Remember that active work is being prosecuted by this company on their property with every modern appliance, and when oil is reached your stock will be very valuable.

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Secretaries Of Oil Companies

In Kern River Valley District are respectfully requested to send a copy of their prospectus to

J. S. EWEN,
10 California st., San Francisco
Room 1.

Peace Declared in Devil's Den.

The oil men who are operating at White city and in the Devil's Den country on the west side are neighbors and are the best of friends. A year ago it was different. Then both camps were ready for a fight or a law suit. When things reached a critical stage and the lawyers were getting ready to have the rights of the contending parties litigated, a compromise was suggested. The leading men on both sides got together and it was soon decided that it would be better for all concerned to be friends rather than enemies and peace was declared. This was celebrated by a Spanish supper at the time.

With litigation out of the way development work began in earnest. Mr. Spreckles soon had a number of derricks up and the Devil's Den Consolidated Oil company also began sinking. The neighborly feeling brought about when the compromise was effected has continued, says a Visalia paper, and recently another Spanish supper took place at Visalia, at which Spreckels and others were present. Nothing was said, however, about striking oil.

White Oil Found in a New Field.

The Modelo territory lies north of the Piru ranch and extends back into the hills about two miles. The wells are situated in a compact group in the head of a little gulch called Brea canyon. These wells are owned by the Alcatraz company of San Francisco, of which the Crockers are at the head, and there is plenty of capital backing the enterprise. Mr. H. J. Doulton, the superintendent, has a large force of men at work in the various parts of the field and the camp presents an unusually busy appearance. The Modelo has one of the best field outfits in the state. It is independent of outside machine shops, as a well equipped shop has recently been completed. The turning lathe in this shop is larger than that in the Union Oil company's shop at Santa Paula. In order to reach the hills above the canyon, a double-tracked tramway seventeen hundred feet long and having a rise of seven hundred feet has been constructed. According to the Free Press, the Modelo has lately made an important strike of white oil of 42 gravity on a new part of its field, on the opposite side of the ridge. While the strike is not a large one—only three or four barrels—still it demonstrates that high gravity oil is to be found here and the find will be followed up. Four rigs are being made ready for further development work.

Rushing Work.

The Gypsy Queen Petroleum Company, just beginning operations in the famous Sunset district in Kern county, has one of the best propositions to be found on the market to-day.

This company secured its land several months ago, before the great excitement in this district, and it now finds its property all situated in the heart of the producing district, being on the same formations and oil sands as the largest producing wells in the district. The derrick for their first well is in place and the work of placing their machinery is being rushed with all possible haste and they expect to begin drilling very soon. Companies operating on lands adjoining all of the several holdings of the Gypsy Queen are now drilling with the best of indications and several rich strikes are expected in a very short time.

Gorman Station.

Some surveying has recently been done near Gorman Station in the northwestern part of Los Angeles county, near the boundary of Kern and Ventura. In this locality there are miles of sand rock and shale superimposed with lime rock, and in some places much of the latter composed of marine shells; and much of this at an altitude of over 3500 feet.

Granite and primary rocks were seldom seen, and exudes of asphaltum were found, but no oil seepages. This is not evidence that there is no oil in this formation, as oil men are less and less inclined to depend upon such seepages for their best locations.

This territory is said to be within the oil belt connecting, geologically, the Piru creek and Newhall fields, and the Kern county fields. Farther down the Piru creek the cliffs on each side are almost entirely of a rather hard slate, losing the soft shale so constantly in sight up the valley, and diminishing confidence in it as good territory for location.

New Incorporations.

The following articles of incorporation have been filed in the office of the Secretary of State during the past week:

Hollister Petroleum Development company. Principal place of business, Hollister. Directors—T S Hawkins, J T Lowe, J Garner, N C Briggs, W V Hollingberry, E E Bolton and C Wagner of Hollister. Capital stock, $500,000; subscribed, $250,000.

Prosperity Oil company. Principal place of business, San Francisco. Directors—F L Gadsby I Rienheimer, I Golden, A Ottenger and J J Van Ostrand of San Francisco, W C Beatie of Oakland and D H Bryant of San Jose. Capital stock, $1,000,000; subscribed, $35.

The Business Men's Oil company. Principal place of business, Los Angeles. Directors—T Wiesendanger, P Johnson, A J Koll, C McIntyre, G Prohert, F W Heidel, J H Roberts, all of Los Angeles. Capital stock, $500,000; subscribed, $78,000.

Eclipse Oil and Development company. Principal place of business, San Francisco. Directors P B Arnold, H G Platt, W B McGerry, P W Rochester, San Francisco and C K Small, Oakland. Capital stock, $400,000; subscribed, $5.

Toltec Oil company. Principal place of business, Bakersfield. Directors—R Roberts, Madera: F H Buck, Vacaville, G X Wendling, San Francisco, B F Brooks, Bakersfield, E S Moulton, Riverside. Capital stock, $500,000, subscribed, $25.

Fortuna Oil and Development company. Principal place of business, Santa Paula. Directors—I E Smith, Buckhorn, G W Faulkner, J F Cummings, Santa Paula, M I W Smith, F L Forester, Los Angeles. Capital stock, $500,000, subscribed, $25.

West Sunset Oil company. Principal place of business, Bakersfield. Directors—I L Muller, E H White, J D Batz, W C Moss, W Snook, B A Hayden, Bakersfield, A G Stockett, W W Hitchcock, Kern, A B Price, San Francisco.

The Sulpnur Reefe Oil and Development company, Principal place of business, Bakersfield; Directors—G M White F L Borgwart, W G Lutz, R H Stevens, Bakersfield, D W W Johnson, Rosedale. Capital stock, $200,000, subscribed, $160,000.

McKittrick Star Oil company. Principal place of business, Bakersfield. Directors—M McWhorter, J C Shiffer, W B McGerry, A Van Keulen, M Snuffin, all of Bakersfield. Capital stock, $100,000, subscribed, 37,000.

Golden Reward Oil and Development company. Principal place of business, Bakersfield. Directors—A J Chavez, C B Tibbetts, F R Tibbets, J B Medina, C C Taylor, M L Perry, Kern county, J A Dutton, Alameda. Capital stock, $300,000, subscribed, $700.

Sulphur Springs Oil company. Principal place of business, Los Angeles. Directors—G A Smith, E F C Klokke, Ad Petch, O J Muchmore, M J Nolan, W H Smith, W Shemwell, E H Hutchinson, H M Bowker, G E Hart, S W Strong, all of Los Angeles. Capital stock, $300,000, subscribed, $240,000.

Olympic Crude Oil company. Principal place of business, Los Angeles. Directors—R Mercer, C E Shattuck, S R Lippencott, Los Angeles, D B Steen, Alhambra, E S Rosenberger, Pasadena. Capital stock, $300,000, subscribed, $150,000.

Kern River Oil Land.

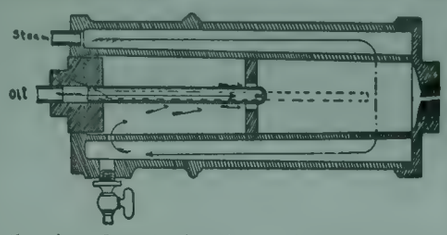
Proven territory on line of Railroad for sale. Splendid chance for those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building.

Pacific Coast Machinery Company



Dealers in Crude Petroleum for fuel and gas also manufactures of the Larkin Retort Oil Burner unequalled for economy and ease of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economical equipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil business we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company. If you are thinking of using Crude Petroleum for fuel give us a call.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco

For Sale or to Lease

Thousands of acres of No. 1 OIL LAND in the

Kern River, McKittrick and Sunset Districts

including some of the very best Sunset properties.

James R. T. Mershon

Oil Land and Stockbroker, Rooms 537, 538, 539 Parrott Building

San Francisco, Cal.

Companies promoted and assisted in the raising of their development funds.

PROMOTER OF THE FOLLOWING COMPANIES.

The **Monarch Oil Co.** of Arizona, **Prudential Oil Company,** of Arizona, the **Lion Oil Co.,** of Arizona, the **J. S. Potts Oil Land and Development Co., Sunset Center Oil and Developing Company** of Arizona, **Vesuvius Oil Co** of Arizona, and **Tiger Oil Co.** of Arizona all in the Sunset district Kern county.

UNDEVELOPED OIL LANDS

Should be Protected By Scrip Locations.

U.S. Scrip and warrants for surveyed and unsurveyed lands for sale and guaranteed by

F. A. HYDE,

415 Mongomery s

SAN FRANCISCO.

Propositions Wanted For Boring Oil Well

2000 Feet More or Less.

VACAVILLE OIL CO.,

J.N Rogers, Secretary.

(Continued from page 13.)

mont avenue, was put on the pump recently. The company has lumber on the ground for a new derrick to be erected at once.

The Dividend Oil company, near the corner of First street and Belmont avenue is grading for another well. It will be the company's second in that neighborhood.

Progress is being made by the Rival Oil company in its new well off of Welcome street.

J. S. Brown has forty acres in the Weid tract and has closed a contract to drill five wells. A rig is up for No. 1.

The Loma Vista Oil company in the Weid tract now has five producers and is at work on No. 6.

Drilling has been resumed by the Green Mountain Oil company on its property near Roekwood street. The hole is now over 200 feet deep.

The storage tank, one of the largest in the neighborhood, erected by Chief of Police Elton on Lake Shore avenue is about completed.

A first-class derrick has been erected by the Liberty Oil company on property leased near Temple street and Western avenue.

The two wells on Alpine street recently purchased by the Morse Oil company from R. T. Harris are being deepened.

The Rodeo Oil company is trying to pump its well out and hopes to be able to put the drill to work again. The company unearthed a body of oil but is not satisfied with the showing, as the operators are of the opinion that a much larger body of oil sand is to be found lower down.

In the Weid tract the Paris Oil company has got oil in its No. 1 and has put it to pumping. Work on No. 2 has already commenced.

The Fullerton Consolidated No. 5 has been flowing at the rate of 500 barrels a day. This is a very remarkable showing for this section, and it is by far the best well in the district.

The St. Paul Oil company, a new operator in the local field, is erecting a derrick on Belmont avenue near State street. The company owns several lots in that part of the field, and expects to put down six wells. Well No. 2 will be drilled just a few feet east of No. 1.

ORANGE.

The well of the Menges Oil company in Brea canyon is down 600 feet.

A complete new rig with a seventy-four foot derrick has been ordered by the Puente Crude Oil company.

Well No. 6 of the Brea Canyon company, which is expected to be a good producer, has put on the pump.

New rigs are going up for the Santa Fe, Fullerton Consolidated, Union and Brea canyon companies.

Thirteen hundred feet, and no oil, is the showing made by the Crown of the Valley Oil company, operating in Brea canyon.

Work interrupted by the storm has been resumed by the Standard Crude on well No. 1, in La Habra valley, down 800 feet, with oil indications.

SAN BENITO.

The Puritan Oil company will commence boring on the further end of the Chappel tract in a short time.

The Tomboy Oil company has a drilling outfit on the ground and will begin boring on the George Dudley place near San Ardo the first of next month.

The Star Anticline Oil company has decided to commence active work immediately on its claims in Bitterwater Oil district.

The work of sinking the 11-inch casing in the well of San Benito County Oil company, progresses very favorably. A depth of nearly 350 feet has been attained.

The water-pipe supplying water to the boiler of the San Benito Oil company's drilling outfit, was washed away by the recent freshet at the point where it crossed the San Benito river from the water company's main. In consequence thereof drilling was interrupted the forepart of the week, while the pipe was being repaired. The pipe has now been raised high enough that no future high waters can interfere with it.

The Oil Well Supply company which manufactures the bulk of oil well supplies in this country, and is represented on this coast by R. H. Herron and company, will consolidate its manufacturing interests at Silverly, Penn., a suburb of Oil City. Some idea of the magnitude of the concern's plans may be had from the statement that its new plant will comprise fifteen buildings, cover forty-two acres of land and have a railroad frontage of 3000 feet.

Work will soon begin on the Place tract in the San Juan valley.

The Ashurst Oil company are erecting an oil derrick on the land of Robert Ashurst.

The Star Anticline company have commenced operations on their tract in Bitterwater.

The Hamiltonian company will put up two rigs at Vallecitos shortly and three others will soon have rigs in that neighborhood.

The San Benito County Oil company has pulled up 247 feet of casing in order to increase the size of their hole.

In one day the County Recorder received for filing eighty oil locations of lands in the Hernandez section of San Benito county.

Several parties interested in prospect work at Coalinga are erecting a derrick and men's quarters near Sargent's Station in San Juan.

Surveys have been made and leases filed for several companies operating near San Juan and two more derricks will go up by the first of the year.

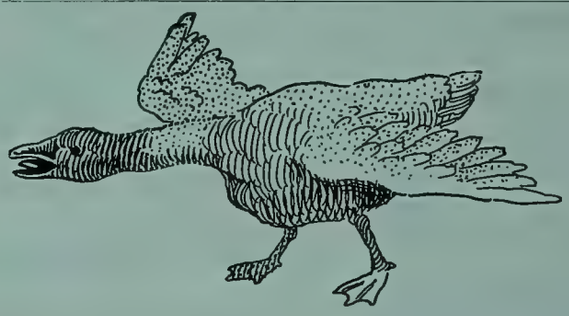
SANTA BARBARA.

The Diamond Star Oil company of Summerland is drilling on its No. 12.

Curtis and Wilkins have commenced to drill at Casitas pass and are down 100 feet.

The Sea Cliff has finished three wells in the Summerland field the past month, and is now drilling on Nos. 28 and 29 and has a rig up for No. 30.

The Southern Consolidated Oil com-



GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company, 504 Parrott Building, San Francisco, Cal., August 8, 1900

We hereby certify that we have underwrttieu the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable.

2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any ime.

5th The bonds used to guarantee the stock are obtained in this city and can be easily in stigated,

E. D COOLEY, President,
W. B. BURROWS, Secretary.

MAP OF GRAY-GANDER OIL COMPANY

Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa_ value $1 each, Treasury stock 100,00 o shares; sold with guarantee for de ve opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street

Rooms 44 and 45, for special induce ments for short time

pany is still fishing in its well on the Higgins place near Carpenteria.

The Oxnard Oil company at Summerland finished Nos. 14 and 15 recently and is drilling on Nos. 16 and 17.

The Santa Barbara Oil company has finished its wharf at Summerland and is building three rigs, when drilling will begin at once.

The Webster Union Oil company's well on the Carreaga ranch is down 1000 feet and is said to have 300 feet of oil sand.

SHASTA.

Bitumen float has been found near Redding in abundance.

An assessment has been levied on the members of the Redding Oil company, to secure a quarter section in addition to the eighty acres already held.

VENTURA.

Applications for dissolution of incorporation have been made by the Lion Oil and Asphalt company and the San Antonia Oil company.

Twenty-two thousand dollars is the consideration reported given by a Los Angeles organization, headed by W. M. Holway, for 720 acres oil land near Piru.

The Palo Solo Oil company, which drilled a failure on the Piru field, has decided not to continue work in that locality, but will make a try in the Whittier field, where a rig is now up.

The Buckhorn Oil and Transportation company has just completed its No. 16, which is said to be good for over 100 barrels a day.

The Union is now operating five strings of tools in Torrey Canyon.

The Central Union is down 500 feet on the Shiells' place.

The Union Oil Company has two new rigs at work in Brea Canyon.

The Crown King Company is down 160 feet on its first well.

Kellerman is drilling his second hole in Nigger Canyon and has some oil. The first was a dry hole.

The Berkeley Oil Company is down over 1000 feet at the present time. The Company is pulling up its 5 5/8 casing.

It was reported last week that the Opal Oil Company had made a big strike in Lion Canyon. It has developed since then that only little oil was found.

The East Piru Company has had much bad luck with its first well, but are now making good progress. Harper & Reynolds have charge of the operations of this company.

The Ramona Oil Company, which is operating near Piru, and is under the supervision of Mr. Jeffries, has a showing of oil and gas and there is every indication of a fine well.

The Santa Fe is making active preparations for a great increase in the development of its territory near Fullerton. Ten new wells will be started on immediately and fifty additional men put to work.

On the beach, above Ventura, the Taylor Ranch Oil Company is down 560 feet. W. G. Adams, who is one o the most interested in the company, believes that oil will be found in a short time.

The Erie Company, working on the Guiberson tract, are going at the work in a systematic way. They have a fine rig and an equally fine well. J. R. Mathews of Los Angeles is at the head of the company. The well is down about 600 feet, a little oil was found at 350 feet.

The Union Oil Company has made a strike in its deepest well in the Torrey field. The well is 2300 feet deep and when the strike was made, the oil rose 1500 feet in the pipe. The well will be drilled still farther, to the bottom of the oil sand at least. From present indications this will be the best well in the field. It is known as No. 48.

The South Pacific Oil Company is working three leases near Piru. The oldest of these is the old Eureka least where the company has several producing wells. On the Dunn place the company has its first well down about 750 feet. The first well of the company on the Chaffee estate is down about 1000 feet. Men well posted seem to think that a strike will be made here in a short time. Mr. L. P. Guiberson has charge of the work on the Chaffee lease.

The Argonaut Oil Company has disposed of its lease of the north half of the Taylor ranch to a number of Los Angeles and Riverside parties and it is evident that something will be done in a short time. The interested parties will soon incorporate and push the work of development. Wm. G. Blewett of the Protective Savings Association of Los Angeles and W. S. Collins, a Riverside capitalist, are numbered in the new company.

The "Oil Era" speaks of a new Ventura county field as follows: "About eight miles northwest of Fillmore, in the upper part of the Big Sespe Canyon, quite a distance above the well [illegible] Kentuck wells, the Sespe Can[illegible] Company is opening up a new [illegible] promising field. About seventy men are now at work building roads. The region is well nigh inaccessible at present. The seepages in this field are reported to be excessively heavy and deep pools of oil numerous."

The Piru Oil and Land Company which has recently purchased the great holdings of David C. Cook in the east end of the county, will soon make extensive developments in its oil territory, says the Free Press. One string of tools has been set at work and five more are being put in readiness. The wells of the company are one and one-half miles from the town of Piru in the Piru River Canyon.

Cost of Mineral Locations.

Beginning the first of next month, the estimated cost of platting and other office work in connection with the survey of mineral claims is stated by the "Scientific Press" is follows: For lode claim, $30; for placer claim, $35; for millsite, $30; for millsite included in one survey with a lode claim, $15; for each lode claim within and included in the survey of a placer claim, $15; for several lode locations included in one survey, the first location named, $30; all other locations included, each $20; for several placer locations included in one survey, the first location named, $35; all other locations included, each $25; for affidavit of $500 expenditure of improvements after approval of survey, $5. Should an amended order issue, an additional deposit will be required.

LINCOLN OIL COMPANY

J. H. EDSON, Secretary and Manager

Central Bank Building, = = Oakland, Cal.

Expert's Report.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party last week. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. The next will sell for twice that amount.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PAPROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is prered.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COLEY, President.
W. B. BURROWS, Secretary.

OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building, San Francisco. Telephone, South 795. Shares 25 cents. Raised December 1st to 50 cents. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATION CO.
Capital.....$200,000
20,000 shares at $10
Location. Ventura county. 150 acres two miles south of Buckhorn.
Officers- Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president; W I Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary; H L Gear, attorney; Germania Trust Co., treasurer.
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital..... $200,000
Locaion, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer; P. B. Nagle attorney.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Fransco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital.....1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization.....$2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, townsip 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east. M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes nd W H Snedaker
Office: 149 Crocker Bldg., San Francisco.

COMMONWEALTH OIL COMPANY. Capita stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its etire nrig outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and nota penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington. superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, J. C. B. Hebbard, Chas J. Heggerty, Chas. A. Lee, John C. McElroy.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location N ½ of NE ¼, S 28 T 28, R 28 E, Kern River District; NE ¼ S 12, T 27, R 26 E, Poso District Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par

EQUITABLE OIL CO.
Capital..... .....$500,000
100,000 shares at $5.
Locat,on: Kern county: Southwest ¼ of section township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer, Germania Loan & Trust Company. Directors—John P Albro, A J Munton, T A Shepard, S D Miner, Capt E F Whitney, Frank Du Bois. Office 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200 ...
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street.San Francisco.

GUINDA OIL COMPANY.
Capital..... ..... $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; FFMPd 1 cells, secretary; W D Reynolds, G H Jackson

GRAND PACIFIC OIL CO.
Capital..... $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona

JSP TS OIL LAND AND DEV. COMPANY.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth N tional Bank, depository
Office: 1016 Market street, San Fraucisco, Ca

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53. Thurlow block, 126 Kearny st.
Chicago office— Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LION OIL COMPANY. Incrporated under the laws of Arizona. Capitao$300,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr.A.S. Cook, president, M. F. Cochrane first vrse.president, D. S. Stanley, second vice-president, F. F.Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spaeckels building), Room 316, San Fraucisco.

MADERA CRUDE OIL CO
Capital.....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, west, S B B and M, Sunset district
Officers and Directors: W C Tighe, president; Joe Bancroft, vice-president; J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building, Madera, C

Great American

Oil & Development Co.

OFFICERS AND DIRECTORS

M. C. Nunan - - - - - - President
D. H. Mosteller - - - - - Vice-President
M. L. Culver - - - - - - Secretary
C. W. Duffie - - - - - - - Manager
Daniel Meyer - - - - - Treasurer
Frank Severio, J. F. Harris, F. H. Allen
J. L. Geary, Jr. W. H. Davis

The Great American is now putting up a standard rig and drilling will commence just as soon as the machinery can be put in place. The company has ample funds in its treasury to complete its first well and in view of this fact the directors have decided to increase the price of stock from 15c to 30c per share on Dec. 15, 1900. All orders received up to and including that date will be issued at the 15c rate.

MOSTELLER & ALLEN, Gen'l. Agts
565-566 Parrott Bldg. San Francisco

HERCULES Oil CO.
Capital $100,000.—— 100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Plagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital..... .....$400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital..... $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec, 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union rust Comp any, treasurer and depository,
Office: Room 435 Parrott Building, S. F.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3, township 19, south, range 14 east, M D B and M
offies, 552 Parrott building, San Francisco, Cal

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1, 000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10. 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson-Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street, St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner Building, San Francisco.

OCEANSIDE OIL COMPANYOF ARIZOA.
Capital..... .....$375,000
375,000 shares at $100 each.
Location ; 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich, J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office--203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA
Capital stock 600,000 shares.... par value, $1.00.
Officers: Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANR
OF WEST VIRGINIA.
Capitpl stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

ORIENTAL OIL COMPANY.
Capital.....$100,00
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county, Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager
Office. Room 506 Pa rott Bldg., San Francisco

PETROLEUM CENTER OIL CO
Capital.....$500,000
500.000 shares at $1.00
Incorporated. October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-President, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm Hanson, Jas H Borland.
Office—Room 29, Third floor, Mills building, San Francisco.

POINT RICHMOND OIL COMPANY.
Incorporated August 7. 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street. San Francisco Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices, 611, 612, 613 Hearst building, San Fracucisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, town ship 15 south, range 10, east.
Officers and Directors—H W Conkling, president; Allen Brant, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office : Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock. 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SURETY OIL COMPANY.
Capital..... .....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif.
Officers, M. Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital..... .....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray, Secretary.
Office, 476 Tenth street, Oakland,

SALINAS OIL COMPANY Incorporated October 9, 1900 Capital, $1,000,000 Number of shares, 1,000,000. Land 5000 acres in Monterey county Officers and Directors—President, W N McCarthy, San Francisco vice-president J J Gunn Independence, treasurer, W N McCarthy, secretary J B Olsen, San Francisco, attorney, Hon Eugene P Bert, San Francisco Office—Room 584 Parrott Building San Francisco

SUPERIOR OIL COMPANY

Capital stock, 600,000 shares, par value $1 each, 1060 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time

Officers and Directors—R S Aston, president W Dixon, vice president, J W Crosland secretary and treasurer, Wm M Landess W W Kelly and W G Wallace Attorney C C Cowgill Office, No 17 Galtes block Bakersfield Cal

THE RAVEN OIL COMPANY

Capital stock $1,000,000 divided into 1,000,000 shares of the par value of $1 each Location: 160 acres in south half of south half of south half section 5, 28 S and lots 1, 2, 3 and 4 containing 304 acres same section Kern River district Officers—Hon John R Aitken president C H Congdon vice-president C H Quincy secretary, D G Overall superintendent, Paul V Finch Bank of Bakersfield treasurer

San Francisco office—Hon John R Aitken Clunie building, 403 California street

THREE STATES OIL CO Limited

Capital $1,000,000

1,000,000 shares at $1

Location: 240 acres in McKittrick and Sunset Districts, Kern county.

Officers: Hon John H Shine, president, W R Thomas, 1st vice-president, T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Gen E P Colgan, I N Pattison, M F Levy

Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital..... $300,000.

Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beaguster. L. M. Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Ca

WILD GOOSE OIL CO.

Capital $500,000

100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers: Claus Kroeger president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone—Main 671

YOUKN CRUDE OIL CO.

Capital..... $250,00

100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runson, C S Benedict, Geo. Easton, Jno F Merrill, F W Sumner and Geo W Henderson.

Office 638 Market street, San Francisco.

YOSEMITE OIL COMPANY

Capital..... $200,000

100,000 shares at $2.00

5032 acres located in Kren River, McKittrick and Colinga Oil District

Officers: A B Capp, President; H G Stabb vice-president W W Camron secretary, W E Beck Treasurer, Crocker-woolworth Bank, depository, Directors, Jas G Maguire, J F Sheehan, Judson Davis, O E Hotchkiss

Office—Room 23 Crocker Bldg., San Francisco.

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Capital Stock $100,000

BOARD OF DIRECTORS:

Henry B. Russ, president, capitalist San Francisco; J. C. Martin, vice-president, road foreman of engines, S. P. Co. San Francisco; I. W. Taber, treasurer, president Taber Photo Co., San Francisco; A. Keller, director, agent S. P. Co., Alameda Point; J. O. Denny, director, journalist, San Francisco; S. D. Woods, attorney, member of Congress for Second District, California; Arthur Wheeler, secretary.

This company is capitalized with less shares than any other company in Contra Costa county.

Stock 50 cents per share.

No assessments. Small capital stock. Guaranteed advance in price.

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Our property is close to the city and can easily be seen. It is declared by experts to be as fine as any in the State.

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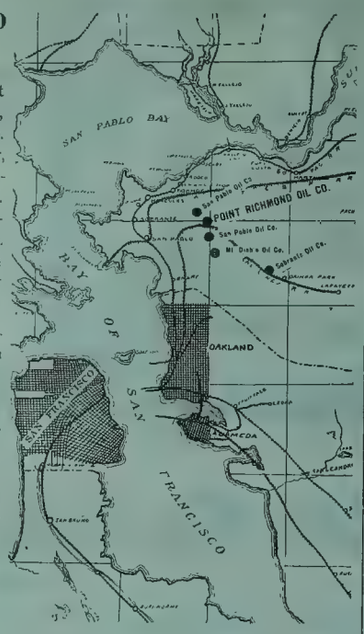

Point Richmond Oil Co.

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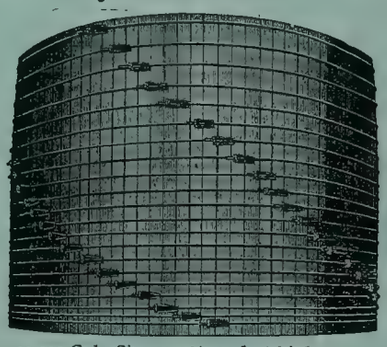

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GEO. W. TURNER, President.
E N .SEWELL, Secretary.

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Oil and Development Company

Rooms 39 & 40 Crocker Building

Junction of Post and Market Incorporated under laws of Arizona

Positively Non-Assessable. Capital Stock, $400,000

Officers—Matthew C. Nunan, President; A. M. Cox, Vice-president; John F. Harris, treasurer; M. L. Culver, secretary; C. W. Duffie, Manager; Hugo D. Newhouse, Attorney; Daniel Meyer, Depository.

A limited amount of treasury stock will be sold at 25 cents per share. Lands of the company are in Sunset, McKittrick and Temblor Districts, comprising 410 acres. Will commence boring at once on section 9, 32 south, range 23 east, M. D. B. & M., situated in the very center of oil-producing wells. This stock sale is a SNAP, as operations begin at once. Work will progress as rapidly as possible. Do not wait to be solicited for this stock as it is not a speculation, but a sound investment. For further information apply or address

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CALIFORNIA STATE

VOLUME 2

NUMBER 8

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, DEC. 14, 1900.

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MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R. F. MORTON C.E.

Scale of Chains — Scale of Miles

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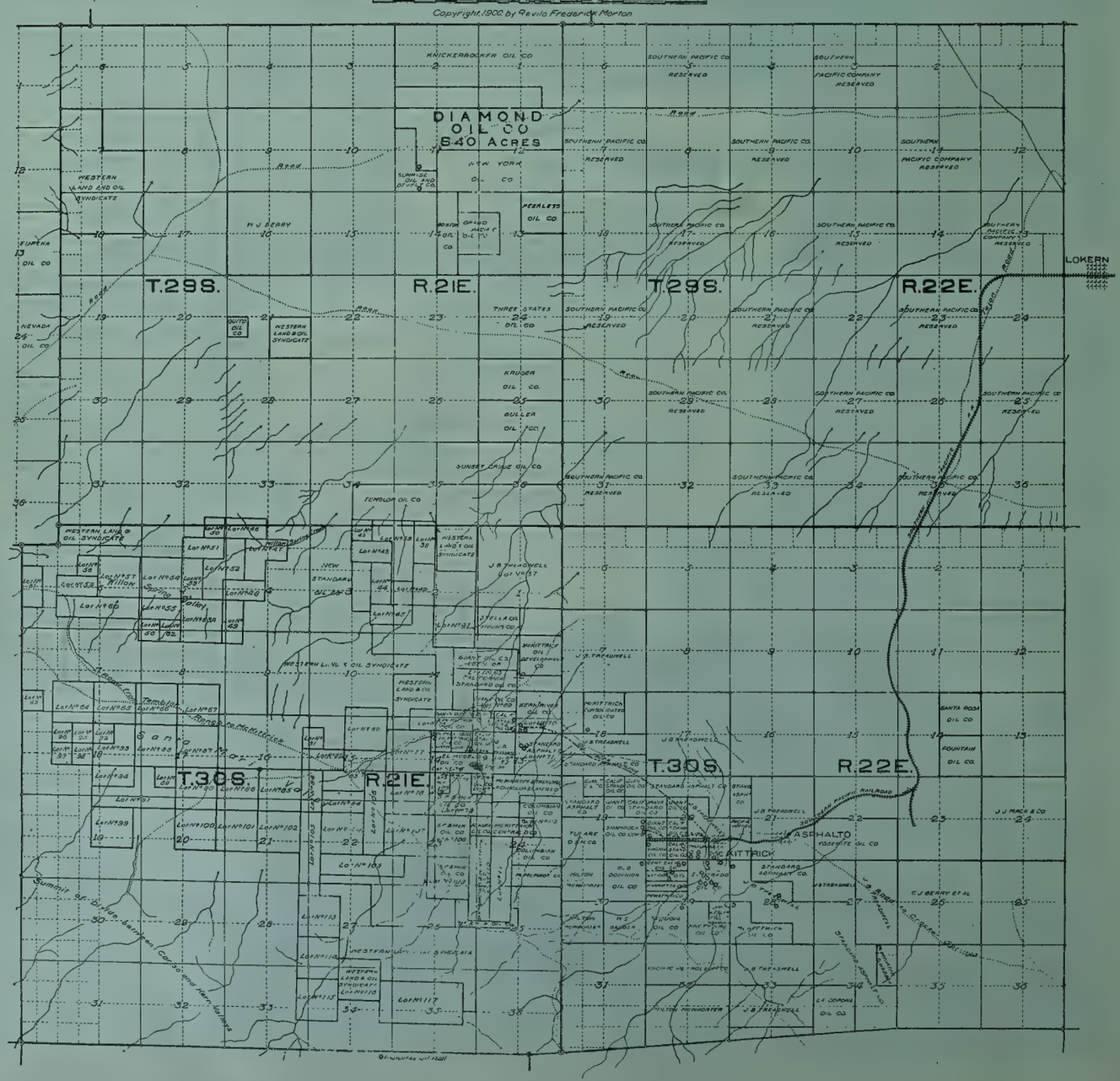


PACIFIC OIL REPORTER

VOL. 2 NO. 5. SAN FRANCISCO, CAL. FRIDAY, DECEMBER 14, 1900 PRICE, TEN CENTS.

VENTURA COUNTY.

Historic Interest of the Pioneer Oil Field of the State.

Present Development and Future Prospects—Its Topography and Geology Illustrated.

The history of the oil industry of California is closely identified with Ventura county, the pioneer field in oil development. The asphaltum deposits attracted attention at an early date, and as early as 1867. Col. Tom Scott, the well known railroad man, got possession of a large amount of territory in Ventura county, but most of it did not turn out well for oil purposes. T. R. Bard, now U. S. Senator, but then a young man just attaining his majority, was selected by Mr. Scott to look after his interests. About 1876 oil was found in several parts of Ventura county and a petroleum of fine quality and high gravity was found in Adams Canyon. This field and Torrey Canyon are the principal producing sections of the county at the present time, and are operated by the Union Oil Company. In Adams Canyon is the deepest oil well in California, recently abandoned at a depth of over three thousand feet, but the company has commenced work on a new well to go to a depth of four thousand feet if necessary.

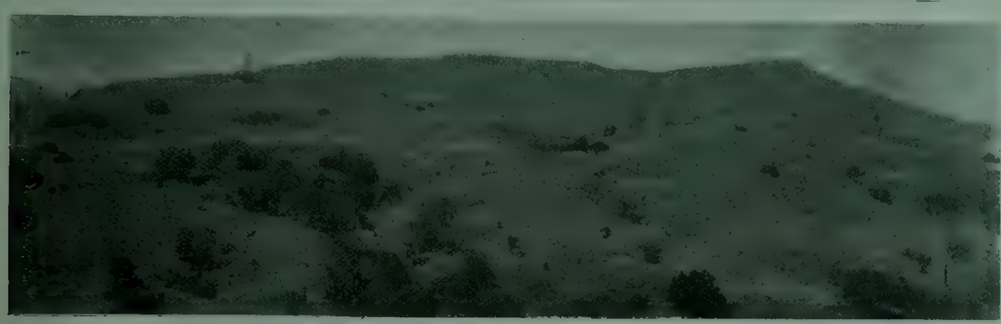
The high gravity of most of the oil of Ventura county has made a general pipe-line system practicable, and the Union Oil Company has the handling of all the oil in the country except that from a few small wells in the Hopper Canyon neighborhood, which are not suitable for piping. The amount of production is about thirty-five thousand barrels a month, handled through one hundred and fifty miles of pipe, distributed to Adams' canyon, Santa Paula canyon, Sespe, Bardsdale and Torrey canyon. The oil at Callegues, which has a low gravity, has to be shipped by rail. The remainder, which runs from fifteen to thirty-three deg. gravity, is collected at Santa Paula, where it is pumped from the great thirty thousand barrel tanks to Ventura. The average gravity of the pipe line product is 26 deg. At Ventura the oil is put on the company's steamer "Loomis" and shipped to their refinery at Oleum, located on the Alameda side of San Francisco Bay.

The high gravity of the oil from this country permits the distillation of illuminating oil and gasoline products and the residuum is available for fuel purposes. In the canyons north of Santa Paula are the four O'Hara wells, noted for being among the longest lived in the state; the Kentuck, also of historic interest, producing about fifteen hundred barrels a month, and the California Oil Company, an independen company which sells its output to the Union. East from this canyon are three good properties of the Union,—Tar Creek, 35 wells, not all producing; Four Forks, 16 wells, and Los Angeles, 10 wells, aggregating about 10,000 barrels per month production. The Tar Creek section has a record of 16,000 barrels per month as its maximum production. In Adam's Canyon the Union has six wells, and there are three more in Saltmarsh, producing altogether about 1000 barrels a month. This is the locality where the famous wells No. 13 and No. 16 are situated. No. 13 produced 122,000 barrels in a year, and No. 16 spouted an enormous quantity of oil before it could be capped and the oil saved. After flowing sixteen hundred barrels daily for six months it suddenly ceased and is now used as a gas well. South of the river are several good properties. The Callegues, comprising ten wells, produce a lubricating oil of about 16 deg. gravity, but at the present time only a small quantity is obtained. The Bardsdale wells, about 53 or 54 in number, were drilled since 1880, and turn out a good output of about 24 deg. or 25 deg. gravity. The Torrey canyon wells near Piru are the Union's most productive properties; of the forty-four wells drilled about thirty-five are productive, with an output of 600 or 700 barrels daily. Much activity is going on here, the company keeping four strings of tools constantly running.

While the Union operates its own properties for the most part in this county, it is also an oil buyer, and handles practically the whole output of the county. The practice of the company is to buy oil at the market price, making deductions for pipage and storage, and market it for the producer. The Loma Oil company of Los Angeles has several producing wells on the hillside north of Santa Paula, and other companies are prospecting through the hills in all directions. Among them are the Capitol Oil company, formerly the Eureka, shown in the illustration, producing a 20 deg. gravity oil. The Fortuna, Hopper, Sunset, and Bradley are small properties whose oil is of a low gravity. Their shipping station is Buckhorn.

North of Piru the principal operator is the Modelo Co., whose territory extends about two miles north of Cook ranch. The Alcatraz Co., representing the Crocker interests, controls this property, which has a finely equipped machine shop and field outfit. A remarkable feature of this outfit is the inclined plane on which is placed a tramway, with a rise of 700 feet in 1700. This company has thirteen wells, but the production is light. Adjoining this on the Cook ranch are several light producers, but this property has been taken up by a Los Angeles company recently and work will be pushed vigorously.

Considerable prospect work is being done elsewhere in the county, particularly on the Taylor and Sexton ranchos near Ventura, in the neighborhood of Santa Paula, on the Ojai, and around Camulos. Still Ventura county has a vast extent of undeveloped territory, and there is abundant opportunity for all who wish to do prospecting work in that locality, with the additional advantages of easy transportation and a ready market for the product.



Wells of Capitol Crude Oil Company. Typical Ventura Oil Field.

Stream of Oil Flowing Down Canyon in Ventura County.

TOPOGRAPHY AND GEOLOGY.

The mountainous character of the surface of Ventura county gives the country a very different aspect from the level fields of the San Joaquin valley. The Santa Clara river flows in a westerly direction through the center of the county, and divides it laterally

(Continued on page 11.)

FUEL OIL IN RUSSIA.

Dr. Dvorkovitz, an Ex-Refiner, Discusses Liquid Fuel in the Petroleum Review.

Twenty years ago the use of oil for fuel was unknown in Russia. The residuum which remains after removing the illuminating oil by the refining process constitutes about 85 per cent. of the oil and there were many plans proposed to utilize this waste product for fuel. At the present time a furnace consisting of a simple combination of plates has been invented by Nobel, the dynamite expert, which gives an absolutely smokeless flame and is very efficient for the combustion of fuel oil but this is adapted only for stationary furnaces and not for locomotives or steamers.

Liquid fuel has been used on the Caucasian railway in Russia since its opening in 1882. The first apparatus was an air-spray, but the steam jet was found to give better results and at the present time 40 per cent. of the Russian railways use oil for fuel.

It is the conclusion of some of the best engineers in this country that the apparatus using superheated steam and superheated oil in a furnace will give better results than the wet steam now so commonly employed, particularly as this economizes the waste heat and gives a greater heating efficiency with the same amount of fuel.

In regard to the effect of oil on boilers it has been proven by statistics furnished by the Russian government that the life of a boiler is much longer when petroleum is used as a fuel than with coal, as with liquid fuel the boiler is kept at a constant temperature.

Work at Riverside.

About four miles from Riverside, at a place called Box Springs, the Fullerton-Riverside Oil Co. has struck a hard flint rock formation, in which progress was very slow. It is expected that this formation will not be gone through for at least 200 feet, as tunnels dug in the neighborhood seem to point to this.

Earth saturated with oil has been taken from the locality which will burn when lighted. The company, which is composed of business men of Fullerton, has the rig paid for and about $7,000 in the treasury and they have decided to sink the well at least 2000 feet if necessary to find oil.

Competing With Coal.

J. W. Harrison, a local broker, is authority for the statement that the asking prices for British Columbia and Washington coal exclude all foreign imports, and are now gradually being regulated by the crude oil offerings, which have now become a disturbing element in establishing coal values. New wells are being developed as oil producers weekly, and outlets for their output must be created, which will mean a decrease for a relative amount of coal. By this time next year, it will be a query where to market our oil product, unless some foreign consumers may be found, as we cannot possibly utilize it all locally. If some methods for refining it may be devised, there would be no fear of over production.

Oil on Carrisa Plains.

The Carrisa plains are located in eastern San Luis Obispo county, in the great plain that once stretched from the Sierra Nevadas to the Granite range in central San Luis Obispo; and similar formations are found on both sides. The Temblor range divides the San Joaquin from the high table land of the Carrisa plains, but is only a narrow fold of from 3 to 5 miles wide. Oil has been found to exist along the east side of Temblor range, from Sunset to a point ten miles northwest of the Temblor ranch, a distance of forty miles.

The Carrisa country shows a similarity in formation, the sands, and shales, the seepages and bituminous matter as that in the neighborhood of McKittrick. The Carrisa really belongs to the McKittrick formation, for it is completely cut off from the western San Luis Obispo by a granite range ten miles wide.

Oil on Steamships.

The question of employing oil as a fuel on steam vessels has been under consideration in the British merchant marine service. The only serious objection to its use is the question as to whether there is a sufficient supply for this purpose. Until lately the chief sources of supply have been America and Russia, but both these fields have a home market for the entire amount of residuum produced, and a supply must be looked for elsewhere. In the past few years several fields have been opened up which have no home demand, and can supply the entire output for the marine service. One of these is Roumania, which produces about 300,000 tons a year. The oil fields of Borneo extend over 1500 square miles, and the wells are very productiue. The oil contains only 25 per cent. suitable for illuminating purposes, so the proportion suitable for fuel oil is very large. The Japanese wells also promise to furnish a good supply, and al these fields are conveniently situated for steamers doing trade with the Orient, so it is likely that in the near future oil will be largely adopted as a fuel in this trade.

Will Soon be Settled.

In a dispatch from Washington last week the cheering news reached the oil men of California to the effect that Commissioner Herman had assured Congressman Needham that an early decision in the contest between the scripsers and mineral land men in regard to the oil land of Southern California, would be forthcoming.

The sooner the present unsettled legal state of affairs is finished the better. A large number of oil companies are awaiting the decision of the land office with a great deal of impatience, as under the present order of affairs the title of the land in dispute is more or less clo d-ed. It is to be hoped that Commissioner Hermann will use his utmost diligence to have the matter settled at the earliest possible moment.

During the year past, crude petroleum advanced nearly $20,500,000 or about 45 per cent, due principally to advanced prices, the production increasing less than 4 per cent. The value of the natural gas consumed in 1899 is placed at a little over $20,000, due entirely to the higher prices charged.

THE SOVEREIGN

NO MORE STOCK

At 50 Cts.

Will receive orders for a limited amount of treasury stock

At 75 cents

The Sovereign is under the same management as the Sterling Oil and Development Company. Its property is proven oil land in the Kern River oil district. It has two Standard rigs working night and day and will continue to work until 40 wells have been completed. Well No. 1 struck the producing oil sand on November 27th. Well No. 2 will be in oil this week. The property is between that of the Peerless and the Sterling Oil and Development Company.

Orders for treasury stock will be filled in the rotation of the receipt of order, the company reserving the right to cancel this offer without notice.

Maps and prospectuses can be obtained at our office, 35-36 Crocker Bldg., San Francisco, Calif.

'Phone Red 1751.

WELL NO. 1 IS IN OIL
WELL NO. 2
Will Be In Oil
This Week

EASTERN ATTENTION.

The New York Engineering and Mining Journal's Review.

The Engineering and Mining Journal of New York has begun the publication of a series of illustrated papers on the oil fields and oil industry of California. Its issue of December 1st also contains the following editorial on the late state convention of the California Miners' Association, of which a quite full report is puplished:

"The prominent points in the successful meeting of the California Miners' Association in San Francisco last week were the discussion of the operations of the Caminelli law and Debris Commission and the practical union of interests with the Oil Producers' Association. As we have heretofore noted, the production of petroleum is assuming great importance in the state, and the operators in oil are beginning to find the same difficulties in relation to their properties and locations that the gold miners have heretofore had to face.

"It is rather curious, as speakers in the convention and local newspapers remarked, that while oil wells have existed in California for nearly thirty years, it is only within the last year those engaged in it encountered any serious difficulty with the mining laws. It is of very recent date, in fact, that the oil developments in the state carried the petroleum operators into the public domain. In Los Angeles, Ventura and Santa Barbara counties most of the oil wells operated were on ground held in private ownership. Since the opening of the oil fields on the public domain in Kern county, the petroleum operators have come entered of the same trouble over mineral and agricultural land locations that the gold miners have been trying for many years to overcome, and for which they believe the Mineral Lands Bill now pending in Congress will provide a satisfactory remedy. The oil operator now finds that he has interest in common with the gold miner against the agricultural land locator.

"Special cases of resemblance exist at many points, thus, the oil wells located on the beach and beyond high-water mark at Summerland in Southern California are in the same position as the beach claims in the Nome district in Alaska. The mineral land laws do not cover the land beyond high-water mark, and the oil operators, like the beach miners, have found it impossible to obtain a valid title to the property which they have begun to exploit.

"The interests of the oil operators and the gold miners are identical at so many points that the establishment of a practical union and of cooperation in the future is a wise step, which cannot fail to help the interests of both in the future."

The Exchanges.

It is doubtful if anyone observes the movement of the stock market as closely as the general public, among whom are thousands of stockholders in the various companies of the state. The period of oil development has passed the problematical stage and there is no longer any doubt but that the industry will continue as it has begun, increasing from month to month in output and in the extent of developed fields. The problem of stock movement has yet an element of doubt in it. The market could move one way or the other. During months just past, the movement has been one way without "the other" which would have been a welcome feature to many stockholders.

The influence of eastern capital on the market has tended to strengthen the situation somewhat and the fact also that considerable blocks of local oil securities have been taken off the market here and placed in the East, has contributed a little towards maintaining a more even balance between supply and demand. The stock market suffers and will perhaps continue to suffer for months to come from the ever increasing list of new companies. The desire to realize quickly in order to invest in some new proposition of the ground floor basis keeps the market pretty well loaded with selling orders. Buyers are quick to realize their advantage in such a situation, in consequence of which, many reliable investment securities are found quoted at ridiculously low figures and that without takers.

While the oil market is not all that could be desired at present, and there are features in the situation which do not seem clear to the casual observer, there are nevertheless, excellent opportunities for both investment and speculation and one who studies the situation may note the existence of stable causes which tend to place this phase of the petroleum industry on a more solid basis as time advances.

A new big station is being built at McKittrick and another at Oil City, to which a system of tracks is being laid.

THE DEEPEST WELL.

Remarkable Find in a Senator Well at 1000 Feet.

The deepest well in the Kern river field is well No. 5 of the Senator Oil Company, located on section 31, 28 28. This well was recently finished at a depth of 1123 feet. At about 1100 feet the drill passed through a clay stratum into a body of oil-sand carrying a light brown oil whose gravity is approximately 21° B. As is generally known, the ordinary Kern river oil is black, viscous and of about 14° gravity, and found at an average depth of 800 feet.

This remarkable stratum is twenty-six feet in thickness and for the present only this amount of casing will be perforated, so that something may be learned of the character of this new field. This discovery seems to bear out the theory that the oil found near the surface is an oxidized and partially evaporated product of a lighter oil found at depth. It is thought that this deep-lying oil may be from this mother-sand, and that it loses some of the lighter constituents as it approaches the surface. This company has a fall of 230 feet in its two mile pipeline, and gravity alone carries the oil through the 5⅝ pipe, no pumping being necessary.

It is reported that the Reed Crude Oil Company has refused an offer of $2,600 an acre for the south half of the northwest quarter of section 32, 28-28, in the Kern river field. The company has thirty wells, completed, all of which will be on the pump January 1st. On this date drilling will also be resumed.

A Guaranteed Investment

THE FAMOSO OIL AND INVESTMENT CO.

Offers to Investors an Absolutely Safe Investment.

The Famoso Oil and Investment company offers to investors an absolutely safe investment. Stock holders get back dollar for dollar in the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to to the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famoso is capitalized for $350,000 Par value, $1.00 and is underwritten by the Pacific Coast Underwriting Company and guaranteed by the Continental Building and Loan Association of San Francisco, with assets of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

OFFICER

Jno. P. Albro - - President
A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famoso Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

Office, Room 393 Parrott Building, - San Francisco.

Branch Office, 1330 E Street, San Diego, Cal.

Origin of Petroleum.

The most sensible and generally adopted theory in regard to origin of petroleum is that it is a product of the distillation of coal by natural heat. An examination of a map of the world will show that the prolific oil fields form a ring around the world extending between 36 and 42 degrees north latitude and are nearly always accompanied by coal. Some theorists believe that the oil comes from the center of the earth, where iron or metal carbides exist in a molten state, and as soon as these carbides come in contact with hydrocarbons petroleum is formed. Another theory is that it is the result of the action of sulphuric acid on certain constituents of the earth's crust. The result of ten years investigations in the coal fields of Europe has pretty thoroughly demonstrated that petroleum is really a product of distillation of coal. Chemical constituents of coal may be said to be eighty-five per cent carbon, five per cent hydrogen and about ten per cent oxygen. It is thought that the heating of the earth's crust which took place when the mountain ranges were upheaved acted upon the coal deposits and distilled the hydrocarbons which in the form of petroleum flowed into the caves and hollows of the earth's crust formed by the upraising of the mountains. This seems to be substantiated by the fact that in the fields of both Europe and America the coal and petroleum product re nearly always found in just such a position, and it is not unlikely that the English coal fields may be accompanied by some similiar petroleum deposits, possibly extending far out into the ocean

Road to the Oil Wells.

The Kern county supervisors recently ook up the matter of the petition for a road to the oil wells along the north side of the river, and passed favorably on the application. Supervisor Jastro, who came home especially to look after this important matter, will at once put a force of men to work grading the new highway, and it will be put into the best possible shape for travel for the winter. The Californian says that when the rainy season is passed it is Mr. Jastro's intention to have the road thoroughly sprinkled with oil and then treated often enough to insure that it shall be kept in good condition. The new road will be sixty feet wide and will begin at the southwest corner of section 6, 29-28, near the Beardsley canal, and will extend for four and a half miles into the heart of the Kern River district.

Metallic Tubing in Refineries.

The question of tubing is an importan one for oil refineries, and is further not an altogether easy one to settle. The chemical action of the oil has a destructive effect on India-rubber tubing, which shortens its life very considerably. Flexible metallic tubing is now beginning to be used at the Russian refineries for various purposes, and is meeting with much favor.

The Del Monte Oil Co.

This company have secured their lands from the Western Exploration company, and have been fortunate in getting four choice pieces which lie in the axis of the San Antonio anticline. A part of their property is situated between the Great American and Monterey wells. This company have just sent on their papers for incorporation, and their stock will be on the market soon. The Del Monte has had the advantage of the expert opinion of S. S. Simon, the expert, and Hon. J. C. Quinn, who is largely interested in Monterey county, where this company will operate.

Personal.

D. J. Simon, brother of the well-known expert, S. S. Simon, left Monday last to visit the oil fields of Monterey county.

Mr. J. A. Beverly has been put in charge of the development work of the Great American Oil and Development company. Mr. Beverly comes highly recommended from the oil men of Pennsylvania, Ohio and Wyoming. In the last-named state he located the first three successful wells. He is a man of many years practical experience and has located as many wells as any man in the country.

Fullerton Production.

William Loftus, one of the pioneer operators in the Fullerton field, told the Tribune recently that the Fullerton Consolidated company's gusher is the biggest producer struck in the Fullerton field since Graham & Loftus' famous gusher, well No. 2, was opened up May 26, 1898. It flowed 700 barrels daily for a week. Since June, 1898, this well has produced from 1500 to 1600 barrels monthly, making its total output to date over 40,000 barrels. No. 9 is now the heaviest producer on the Loftus lease, putting out daily the year round 70 barrels; No. 6 follows with 65 barrels daily. This company has commenced drilling on No. 11.

The oil output in the Fu lerton field during the month of November, by the leading companies operating here, is as follows: Santa Fe, 10,000 barrels; Graham & Loftus, 9000; Fullerton Consolidated, 3000; Brea Canyon, 4000; Union, 3300; Columbia. 5000, making last months' production the record-breaker since the Fuller on field was opened, The average price received for Fullerton oil during the past year (all of which was sold under contract) was $1.10 a barrel, but the producers here say they will be unable to renew at as high prices the first of the year on account of the low prices in Bakersfield, where oil is now selling as low as 60 cents a barrel. Two companies in the Fullerton field declare they will store their oil after the first of January unless they can get 85 or 90 cents a barrel, and will not rush development work.

Atlas Pipe Wrench.

"The Atlas Pipe Wrench Co., Flood Building, San Francisco, and 121 Liberty Street, New York, manufacturers of the Atlas Pipe Wrench, say, that although in the market but a short time, there is a steadily increasing demand for this wrench. It is already used in every state in the union, also in Canada, Mexico, Cuba, the Philippines, Denmark, Russia, England, Australia, China, Japan British Columbia and the Hawaiian Islands. The Company has issued a very attractive little folder, printed in two colors, and illustrating this wrench, which they will be pleased to send to any one."

Locations in Yolo.

M. A. Nurse, engineer to the commissioner of public works, probably knows as much about the topography of Western Yolo as any in the State says the Woodland Democrat. He and a number of other gentlemen have filed on mineral locations aggregreting about 2000 acres The land is situated east of Berayessa oil district.

Gypsy Queen Petroleum Co.

Incorporated under the laws of the State of West Virginia.

Stock Absolutely Non-Assessable With Limited Liabiliy of Stockholders

160 Acres in the Heart of the Sunset District Kern County.

640 Acres in the Fresno-San Benito District

All proven oil land with wells of other companies now being drilled on all sides of our property.

The derrick for our first well is in place and machinery now on the ground, and work being rushed as rapidly as possible.

We secured the best lands to be had several months before the great excitement in these districts, and we are repared to offer a first-class proposition to investors.

For particulars addres

FREDERIC M. LEE, = = = SECRETARY

FRESNO, CALIFORNIA.

EASTERN BROKERS.

They Are Slow in Dealing With California Oil Stocks.

The following letter from G. W. Peer, now in Chicago in the interest of several oil companies with which he is connected, is extremely valuable, showing as it does the position of Eastern banks and brokers in regard to California oil stocks.

Chicago, Dec. 4, 1900.

Mr. L. P. Crane, President California Petroleum Miners' Association, Room 33, 2nd Floor, Mills Building, San Francisco, Cal.

My Dear Sir: I was very much pleased to receive your interesting and valued letter of the 27th ult.

It was somewhat of a surprise to me to know that there was over $14,000,000 now invested in the oil industry in California, but I believe with you that within ten years our state will have an oil output of over $100,000,000 annually. We certainly have a grand future for the oil business in California, and when we get the Eastern investors fully awakened to the situation, with the safe-guards that are now being taken to protect and foster only the legitimate development, the industry will advance far beyond the anticipation of the most sanguine of our people.

Referring to your desire to be placed in communication with brokers or bankers in Chicago who desire to handle the stocks of companies belonging to the California Petroleum Miners' Association, I would say that I believe the fact that the investor is not yet educated in the California oil business will mitigate strongly against your success in this direction. The reason that the Knickerbocker company established an office in Chicago was because we were unable, although furnished with the very strongest kind of endorsements from California and elsewhere, to get any of the reputable stock brokers or even the banks, to become interested in the placing of our stock as they would naturally have to be thoroughly familiar with the situation and all the conditions and be fully satisfied in their own minds as to the stability of the industry itself before they would recommend it to their clientele of investors. We are a long ways from home here and the work of getting the people interested in the oil business must be done in a careful, patient and thorough manner. After the oil business has been sufficiently advertised here and elsewhere in the East to attract the interest of the individual investor, then the broker will take it up because a demand will then be created for oil investments, but if it is left to the broker to interest his client in a proposition of this kind and then shoulder all the responsibility in recommending it to his investors as a first class proposition, you will find it a difficult matter to get them associated with you. In my opinion the only alternative to bring this matter to a head quickly would be this: Let the California Petroleum Miners' Association, or if you please, the Producers' Exchange, or perhaps both, or any other combination who are willing to put up the expenses, arrange to take say half a dozen of the best brokers from here or any other place if you wish, out to California and show them the actual condition of affairs. By thus putting them in close contact with the business and showing them the immense possibilities there are for investors in our California fields you will then have succeeded in accomplishing in two or three weeks, in the way of advertising, more than could be accomplished in any other way in as many months. The people in Chicago and I assume it is practically the same with the people in the entire East, are ready to invest their money when they can be convinced that a good opportunity exists, but there has been so many "wild cat" mining and other enterprises floated that they are very slow to take up anything new.

I am in touch with several of the prominent brokers and bankers here and will take pleasure in making inquiries along the lines you suggest, with the object of putting you into communication with some of these people.

I shall certainly be pleased to take advantage of the opportunity to continue a correspondence with you from time to time, feeling that our interests to a certain extent are mutual and a benefit will thus be derived on both sides.

Very truly yours,
G. W. PEER.

INJUNCTION DISSOLVED.

Point for the Oil Men in a Scripper Case.

An order was issued on the 10th inst. in the United States District Court now in session in Los Angeles, in which a point was made in favor of the oil men in their fight against the scrippers. The case was that of the Ætna Oil Company vs. W. C. Cripps et al. Cripps claims title to the land in dispute as agricultural land, and the Ætna Oil Company had possession by virtue of mineral claims. The question of ownership must finally rest upon the nature of the land, and boring will determine whether the property is mineral or non-mineral. By order of Court, Judge Ross dissolved the injunction restraining the oil company from boring for oil on its lands in Kern county, but permitted the injunction to stand restraining them from removing the oil pending a settlement of the disputed title by the United States General Land Office at Washington.

The Contra Costa.

Reports from the well now being drilled by the Contra Costa Oil Company near Antioch are of such a nature as to give ground for believing that oil will be struck at a much less depth than was expected when the drill was first started. There is an abundance of gas and the shale formations that the drill has passed through, are such as are found only in those localities where oil has been obtained in abundance.

The people connected with the Contra Costa Oil Company are not only experienced oil men and oil locaters, but also are credited with always playing in luck. At any rate the good fortune which has followed them thus far in the past in the development of new territory, bids fair to be continued in even greater measure in Contra Costa.

SALINAS OIL and DEVELOPMENT COMPANY.

Capital Stock, $1,000,000 **1,000,000 Shares, $1 each.**

Stock Non-Assessable. **2000 Acres in Monterey County**

OFFICERS

Wm. N. McCarthy .....president and treasurer;
J. J. Gunn, ... vice-president
J. B. Olsen, ... secretary
Jno. C. Quinn, ...superintendent

DIRECTORS

C. A. Burcham, J. E. Baker, N. A. Dorn
W. J. Ellis, S. S. Simon;
Nevada Bank,..... depository.

State Mineralogist Prof. A. S. Cooper last week examined our property and reports to us in part as follows:

"I have examined that part of your property adjoining the bituminized sand deposit, and find that the axis of the San Antonio anticline passes through this property. That the shales constructing the anticline are highly bituminized. The axis and strike of the anticline runs S. 35 E. and N. 35 W. This anticline is made very conspicuous on account of the white leached shales. The northeast dip of the anticline are sandstone strata filled with viscous bitumen. Near the axis of the anticline the shales are highly silicated and are black in color, and this color is owing to the presence of bitumen when they were silicated. After they were icified the shales were cracked and seamed each crack and seam, however minute, has been filled with ascending viscous bitumen. A large number of springs containing sulphurated and carbureted hydrogen are found near the apex of this anticline. Mineral waters nearly always accompany bituminous springs in California.

Judging by analogous conditions existing in other oil fields, and in consideration of the geological conditions described, it is probable that petroleum oil may be obtained through wells drilled in this district. It is almost a certainty that carbureted hydrogen will be obtained having a high pressure. (This means a flowing well).

"The property is easy of access. There is an abundance of wood and water on the ground to carry on the work of drilling and in the case of he construction of a pipe line the descent would be continuous to the railroad

I am of the opinion that you are justified in sinking wells."

Mr. S. S. Simon, a successful expert and locator of wells, says: "The anticlines, shales, fossiliferous deposits, bituminous rock and other formations found upon thi property, and which indicate the presence of oil, are the finest ands most perfect of any in this state. I am satisfied this district will be found to be a lake of oil."

Rig is Being erected and operations Begin at once

For a limited time stock may be had at the office of the company at 15 cents a share.
For further information apply to J. B. OLSEN, Secretary

573-574 Parrott Building.

GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non - Assessable

Sockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages.

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows

Sunset and McKittrick District, Kern County.
Coalinga District, Fresno County. Kettleman District, Kings County.
and Contra Costa County

SECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful deveopment is absolutely assured.

12,000 Shares Sold in One Day.

One Hundred Thousand Shares Sold in Less than Three Months

Second 100,000 shares now selling rapidly at $1.00 per share; will probablybe sold by January 1st, when 3d 100,000 shares will be placed on the market at $2.50 per share. Now is the time to buy

The Officers of the Company are all well-known business and professional men

A. G. Deardorff.....President
J. M. Merrell.....Vice-President
John Choice.....Secretary
Wells-Fargo Bank.....Depository
F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
John Choice J C Sala F. A. Berlin
R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO Tel. South 740

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

WHITTIER NOTES.

The News' Summary of Week's Operations.

The Whittier Oil and Development company has struck a large flow of gas at its well in the East Whittier district. While the night tower men were at work the first of the week there was an explosion and one of them had his beard taken off without the expense of going to the barber shop. The flow of gas is large enough to run the engine, but of course cannot be utilized while drilling is in progress. The well is down nearly 400 feet, the greater part of this distance through a black shale.

W. R. Nourse has just completed a derrick for C. E. Price on the southeast corner of section 25, and as soon as the lumber arrives will put up another for Hayes and Hart southeast of the Whittier Oil and Development company, about half way and on a straight line between that companyes derrick and the New England company.

The roads in the East Whittier district have been repaired and the oil can be hauled into the territory occupied by the Raymond and New England companies, which have shut down drilling operation since the big rains.

The Sentinel Oil company has a new rig up on its lease in section 30, and will commence drilling at once. The Turner Oil company is making slow progress on well No. 5, because of the hard formation encountered by the drill. The rig for No. 6 is up, but drilling has not yet begun on the well.

Prospecting In Humboldt.

Reports from the Mattole District in Humboldt county state that the oil found there is of superior quality, but nothing but a comprehensive system of exploration will determine whether oil exists in paying qualities or not. At Mattole work will be prosecuted through the winter on the Gray Goose property if the company can secure sufficient fuel with which to operate its plant. Another company is sinking a well on the Upper Mattole, about sixteen miles above Petrolia. The drillers who have been sinking a well for the Union Oil Company have finished their contract, which called for a depth of 1000 feet, but no information is being given out. A second well, which is being drilled for the same company is now down about 500 feet. The Union Oil Company, it is understood, will send two more strings of tools into Mattole in the early spring, and they probably would not do this unless the present outlook was favorable.

Thomas Price & Son

Analytical and Consulting Chemists

526 Sacramento street, San Francisco

Stock Sales.

The following were the stock sales in the new Producers' Oil Exchange at its formal sessions held for the week ending Wednesday, December 5

CALIFORNIA STANDARD		
3400 at	40	1360 00
600 at	38	380 25
900 at	39	351 00
1000 (B30) at	41	410 00
500 at	41	205 00
500 at	37	185 00
500 at	36	180 00
600 at	35	210 00
CARIBOU		
1700 at	65	1105 00
100 at	67	67 00
200 at	63	126 00
400 at	55	220 00
100 at	59	59 00
1000 at	60	600 00
EL DORADO		
200 at	1 05	165 00
FOUR OIL CO		
1507 at	42	632 94
285 at	43	122 45
400 at	45	180 00
1875 at	50	936 50
1300 at	55	715 00
100 at	48	48 00
HANFORD.		
2 at	120 00	240 00
5¼ at	121 00	635 25
6 at	117	702 00
HOME OIL.		
320 at	4 40	1408 00
200 at	4 50	900 00
1200 at	4 45	5340 00
HANFORD-FRESNO-KERN RIVER.		
100 at	35	35 00
700 at	33	231 00
300 at	32	96 00
100 at	34	34 00
500 at	36	180 00
400 at	37	148 00
600 at	38	228 00
900 at	39	351 00
100 at	40	40 00
300 at	41	123 00
100 at	42	42 00
50 at	44	22 00
100 at	45	45 00
200 at	49	98 00
INDEPENDENCE.		
2000 at	20	400 00
2250 at	22	495 00
1000 at	23	230 00
KERN RIVER.		
5 at	17 00	85 00
25 at	17 25	431 25
20 at	17 50	350 00
40 at	18 00	720 00
10 at	19 00	190 00
10 at	18 87½	188 75
10 at	18 75	187 50
10 at	18 50	185 00
KERN OIL.		
5 at	9 00	45 00
50 at	9 75	487 50
65 at	10 00	650 00
LION.		
400 at	30	120 00
600 at	31	186 00
1000 (S60) at	30	300 00
100 at	32	32 00
100 at	28	28 00
MONARCH OF ARIZONA.		
1000 at	38	440 00
200 at	39	78 00
2000 at	40	720 00
1000 at	41	410 00
MONTE CRISTO.		
1800 at	1 50	2700 00
McKITTRICK		
1000 at	40	400 00
MCKITTRICK CONSOLIDATED.		
100 at	42	42 00
300 at	41	123 00
OIL CITY PET.		
10 at	13 75	137 50
10 at	31 00	310 00
25 at	[illegible]	75 00
1 at	34 00	34 00
10 (B) at	35 00	350 00
10 at	30 50	305 00
10 (B) at	31 00	310 00
OCCIDENTAL OF W. VA		
80 at	69	552 00
500 at	70	871 00
175 at	68	119 20
200 at	71	142 00
500 at	65	325 00
PETROLEUM CENTER.		
4950 at	19	940 50
18000 at	18	3240 00
11500 at	17	1955 00
4200 at	20	838 00
200 (B60) at	20	40 00
1000 (B30) at	20	200 00
1500 (B30) at	12	330 00
1000 at	21	360 00
400 at	23	851 00
200 (B30)	23	460 00
1840 at	22	404 80
REED CRUDE.		
9400 at	48	4512 00
8500 at	49	4165 00
5500 (S3) at	49	2695 00
SHAMROCK		
200 at	1 00	200 00
STERLING, O & D CO.		
415 at	2 55	1058 25
225 at	2 52½	568 12½
SAN JOAQUIN		
50 (B60) at	9 62½	481 25
15 at	9 25	138 75
300 (B60) at	9 25	2875 00
50 at	9 00	450 00
TWENTY-EIGHT		
437 at	2 40	1048 80
100 at	2 42½	242 50
950 at	2 45	2317 50
WEST SHORE.		
200 at	3 25	650 00
YUKON.		
100 at	58	58 00
500 at	55	275 00

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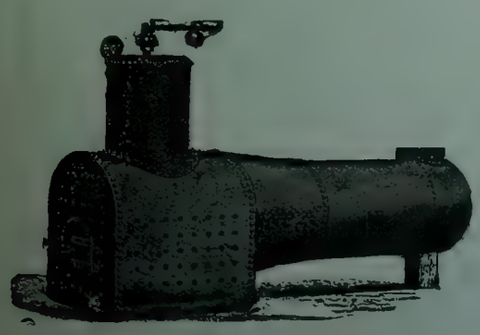

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Published Weekly

The Oil authority of the Pacific Coast

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W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

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FRIDAY, DECEMBER ,14 1900

A Great Christmas Number

The illustrated Holiday edition of the PACIFIC OIL REPORTER which will appear next week will give the only complete conception of the importance of the oil industry of California that has been offered by any publication in California. It will consist of 56 pages of oil news fully illustrated by half-tone reproductions of photographs from every oil district in the State. The cover will be elegantly illuminated and will at once attract and please the eye.

Orders for advertising in the edition should be sent in before Wednesday, December 19th. Newsdealers should order extra copies in advance.

Have Bought the Oil.

The Producer's Association of Bakersfield seems to be putting itself in a position to control the local oil market, as it has already made contracts to take from 75 to 80 per cent of the Kern River and McKittrick fields, and has secured control of substantially the whole of Sunset. These agreements have been secured and are either fully signed or have been agreed upon and are only awaiting the signatures of the property owners.

The pugnacious position taken by the oil-producers of the San Joaquin Valley is significant of the feeling of oil men throughout the State toward the Standard Oil Co. The advent of this company in the crude oil business of the Coast has generally been reported as being looked upon either with favor or indifference by the oil men, but the Producer's Association has declared that they will get the whole output, and if any other buyers want oil it can be purchased from them. As long as the Association has such a backer as Mr. Canfield, and with the successful experience of the Los Angeles Oil Storage and Transportation Company before them, it looks as if they ought to improve the market. Some of the Kern River Oil is only bringing 60 cents now, and the low figure is bringing down the price in other localities. Bearing in mind the disastrous slump in the price of oil in the Los Angeles field a few years ago, and its gradual revival under the careful manipulation of the Storage Company, which has after several years of patient work brought the business back to a paying basis, it is to be hoped that the similar persistent effort and firm co-operation among the Kern county oil producers will bring about equally good results. Whether the oil men accept the assistance of the Standard or prefer to maintain independent action, it is essential that prices should be maintained by co-operative action if the oil industry is to remain on a paying basis.

The Exchanges.

The Los Angeles oil stock market has not shown a very marked degree of change during the past ten days. There is an increasing demand for good oil stocks, and most of the brokers are receiving more buying orders than at any time during the past six months. On the floor of the Exchange, trading has been dull, not because stocks are not moving but for the reason that the brokers are doing most of their business on the outside, which condition of affairs came about originally in an effort to avoid Clearing House fees, charged on deals put through the Exchange. While these dues were discontinued the first month, the old habit of trading on the outside continues still and the result is a poor showing in Exchange reports, when as a matter of fact, a great deal of stock is changing hands every day.

Fullerton Consolidated has perhaps shown the greatest advance of any individual stock selling, buyer-30, at 85c. This is an advance of about 15c over the quotations of a week ago.

Stock quotations of any particular day are not an exact criterion of values. The average price for the period of a month in a given stock will approximate with a certain degree of accuracy the value of the security.

Just at present the most active buying is found in a number of unlisted stocks. Sunset Consolidated has been in great demand during the past two weeks owing to the favorable strike in the Lion well adjoining the company's property at Sunset. Sunset Consolidated has sold all the way from 6 to 15c per share. The demand still continues with a corresponding increase in the price.

Sunset King is also in great favor among speculators, having just made a strike in its well No. 2. Generally speaking, the oil stock market has a better tone. Good wells are coming in at several districts and the outlook seems favorable for an increased business in this line during the winter months.

NOT SUBSTANTIATED.

Has the Standard Oil Bought Out the Pacific Coast Oil Company?

The published report in the papers of Tuesday that the Standard Oil company had absorbed the Pacific Coast Oil company has not been substantiated. The papers stated that the Pacific Coast Oil company's property, including its property in the Newhall fields, pipe-lines, machinery shops and storage tanks in Ventura county, the steamer George Loomis and the refinery at Alameda, which has a capacity of 25,000 a month, had all been purchased by the Standard Oil for the lump sum of one million dollars.

It is a well known fact that to a greater or less extent the product of the Pacific Coast Oil company has been controlled by the Standard Oil. The same can be said at the present time of the Union Oil company. It is also a well known fact that the price put upon the property of the Pacific Coast Oil company a few months ago did not exceed eight hundred thousand dollars. The manager of the Standard Oil company on this coast is Mr. W. S. Miller. When asked if the report of the absorption was true Mr. Miller stated that he knew absolutely nothing about it but that if the deal had been consummated, he would probably have been informed concerning it.

Mr. Schofield is the manager of the Pacific Coast Oil company's business and when asked about the deal Mr. Schofield refused to either affirm or deny the truth of the rumor.

Mr. Shafter Howard, who is engaged quite extensively in oil enterprises, states that he had heard of the proposed absorption of the Pacific Coast Oil company fully six weeks ago and had no doubt but that it was true, although he could give no absolute proof that the deal had been closed.

The Jacalitas.

Reports from the field are to the effect that operations on the property of the Jacalitas company in the Kern River district are progressing satisfactorily. All materials are now on the ground and construction work is being rushed as rapidly as possible. The company hopes to secure the services of a competent driller and that no delay may retard the early completion of their first well.

Glenn County News.

The Great Northern Oil company are progressing finely with their drilling. At a depth of thirty feet they got into dark shale and last Saturday they were still in the shale at a depth of 108 feet. They report oil prospects good.

Glenn County Oil and Coal company are drilling and are making good progress

A great many strangers are in the neighborhood picking up the bargains in the land that has oil indications.

Running Slow.

Kern River well No. 2 at McKittrick is constantly breaking loose and letting the oil escape over the country. The company has three 1200-barrel tanks, and these are constantly kept full. In addition to this the company is kept busy building dams to hold the oil.

PACIFIC COAST UNDERWRITING COMPANY.

The Pacific Coast Underwriting Company have recently secure new quarters—Rooms 507-508-509 5th floor, Parrott building.

Branch offices—Los Angeles, W. B Burrows, Manager; 334 Wilcox Building.

Seattle, Washington—
L. C. Dillman, Manager.

During the last month, this company incorporated thirty companies and underwrote $1,850,000 worth of stocks. If you require capital to develop your mines, oil lands, patents, manufacturing or mercantile business, communicate with them. Interest bearing and non-interest bearing bonds furnished. Prepaid bonds maturing in ten years. Interest bearing bonds, maturing in fifteen to twenty five years, coupons attached, interest payable semi-annually; safest and best investment that can be made.

Companies incorporated under the laws of any state or territory desired. Charter, seal, corporation books etc., everything furnished complete. The company employs an attorney to look after this branch of the business.

Proven oil lands for sale or ease—960 acres located in the Coalinga district, 100 acres located in the Newhall district. This is a grand opportunity for any one wishing to promote an oil company. People wishing to make investments will do well to communicate with this company. All business cstritly confidential. Bank refer-

In League With the Devil.

Of all the oil men operating in the California fields probably only one has ever been accused of having leagued himself with the devil. This man is John A. Stroud of the Monte Cristo, in Kern county says the Los Angeles Herald.

The was a time when the Monte Cristo was not living up to its Dumas-inspired name, and Mr. Stroud was watching every turn of the drill. Success finally smiled upon his efforts, but the well had been costly, and Mr. Stroud's conferes enjoined "economy." As became a good superintendent, Mr. Stroud at once cast about for ways and means. Water was being hauled to the wells for boiler and other use at considerable expense. A stratum of water sand had been encountered part way down in the oil well, but it was cast off.

Mr. Stroud remembered this, and drilled another well a few feet from the oil well until it reached the water. Connecting this well with the beam which was pumping on the oil well Mr. Stroud had a not very unusual combination, but there was one man around the works who could not fathom it. He was the Chinese cook. The sagacious celestial pondered long and deep on the miracle, but the problem offered only one solution. Mr. Stroud must have a powerful "drag" with evil spirits. Going to town he brought out other Chinamen to see it, and the verdict was universal: "Miss Sloud, he all same savee devil." Good devil, bad devil, alle kind devil," and Mr. Stroud had to let it go at that. An organized rush of Chinese money was made on Monte Cristo stock.

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WEST VA., DUPLICATED.

Superior quality of Oil found in Berryessa Valley, Napa Co.

From Devils' Gate at the southern end of Berryessa Valley, Napa county, to seven miles beyond the northern extremity of the valley in the canyons leading from the valley to the upper range are found numerous oil springs from which has been taken the finest petroleum yet found in the state of California. At the oil spring on the territory owned by the Mt. Shasta Oil and Development company has been taken petroleum which has been analyzed and found to contain 64 per cent. of lubricant and the oil is of the exact character of that found in West Virginia taken from the exact duplicate in formation.

The Zem Zem Oil company whose territory lies in the imme diate north of the Mt. Shasta company has several oil springs the exact duplicate of the Mt. Shasta Oil and Development company. The property of the Zem Zem company includes nearly all of the sandrock blanket covering of the oil belt, on the northwest of the valley, which is in character an exact duplicate of the best oil territory in West Virginia and oil from which has been purchased very largely by the eastern railroads, at prices ranging from $7 to $8.50 per barrel, which is classed by refiners as the most valuable produced on the American continent.

The companies organized to develop oil in the Berryessa Valley and foothills are the Mt. Shasta, Monticello, Zem Zem, Napa, Berryesssa, Binger Hermann and Knox oil companies. Every acre of government land has been taken up and all of the supposable oil producing land titled as well.

The elevations at which these oil springs are found range from 720 to 1450 feet. The shale formations as well as sandrock, in general trend, are from northwest to southeast and are absolutely uniform for a distance of 23 miles, and the anticlines are undisturbed and unbroken the entire distance, having a pitch of 45 degrees Sandstones in places show a depth of over 100 feet. Shale and sand stone alternate with a wonderful regularity in most places where surface is exposed, each being substantially ten feet thick and the shale in all cases being full of oil.

The distance from the center of this oil field to railroad, in direct line is not over 4½ miles and but one pumping station is required, which could be located on the apex of the higher range. A pipe line could be established to Winters station on the Southern Pacific branch, twenty-five miles distant with a fall of 430 feet, which will ultimately, without doubt, be constructed.

This valuable oil territory, which to-day stands alone in its character, so far as known, was located by Mr. Thomas A. Finnell, a gentleman of over sixty years, whose life has been spent almost entirely in the oil fields of Pennsylvania and West Virginia and who is acknowledged by all, who have any experience in oil, to be a master in the business. The writer spent several days with Mr. Finnell and learned from him that he had been in that and adjoining territory prospecting for more than four months and in Napa county has located 4420 acres, Colusa county 1050 acres, Yolo county 2660 acres, Shasta county 1360 acres in one section, 1250 in another and still another 1080 acres, making in all some 1200 odd acres. Mr. Finnell's judgment is after many many months of study and review that the great value producing oil fields of paraffine base oil will lie in the immediate vicinity of San Francisco, on the north possibly to the Oregon line, and he stated to the writer that oil from the Berryessa district would readily sell as a lubricant for the railroads operating west of the Rockies for $8 per barrel.

The interest taken in this field by men of long experience, in producing and hauling oil, is marked and that California is unaware of the extent of this industry is not a debatable question, that its true value is only known to experienced oil men is a certainty, that the industry as a whole will revolutionize the commerce of the Pacific Coast is a certainty. The relations of crude petroleum to the commerce of the coast alone as a cheap fuel cannot be measured, but with the induction of the finer oils for refining a still greater commercial value is placed upon the industry as a whole. The inquiries made by Eastern capitalists of long experience in the oil industry at the office of the California Petroleum Miners' Association indicates to some extent the rapid development of the industry in the near future, and the casual observer whose eyes are opened can count the incoming of many millions for investment in the oil fields of California, and the timid ones who fear the coming of the Standard Oil company and unjust treatment on the part of the Southern Pacific company will find in the near future their fears to have been unfounded. L. P. CRANE.

The Road to Wealth

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Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick Devil's Den, Mojave Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

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237 W 1st street
Los Angeles, California.

Ventura County.

Continued from page 1

into two unequal parts. On each side of the river the valley is paralleled by mountainous ranges, traversed by short, steep canyons, where the oil wells are usually located. A line running nearly east and west from Newhall in Los Angeles county to Summerland in Santa Barbara will pass within a short distance of all the producing sections. The trend of the land and the general relative location and high altitude of the producing sections have favored the establishment of the pipe-line system now in use by the Union.

Most of the oil fields are more or less isolated, and in many places the pumpers lead a lonely and uneventful existence.

The geological formations of Ventura county consist of a series of compressed anticlinal folds, modified by occasional faults, which run for the most part in the same direction as the strike of the formation. On the north side of the Santa Clara valley there are two oil bearing strata, the upper being a dark shale with stre[illegible] hard limestone, classified [illegible] Lower Cretaceous and M[illegible] formation. There is another bearing stratum lower down, composed of a hard brown sandstone also Cretaceous, lying beneath the brownstone formation of the Sespe, with a hard white sandstone between them. These formations lie at a considerable depth, and are supposed to be conformable with the adjacent formations.

The Grand Pacific.

Dr. Deardorff, secretary choice, and the officers of the Grand Pacific Oil Company are very much elated over the latest reports from the well now being drilled in Contra Costa county. The well is now down less than 200 feet, yet every time the tools are brought to the surface they show distinct evidences of the presence of oil seepages. The sand pump comes up every time coated with crude petroleum. There is an abundance of gas and the strata thus far passed through could not give more favorable indications for oil. It is believed that a rich body of oil sand will soon be penetrated.

Casmalia, Ranch, Oil and Development Co.

Incorporated under the laws of California

Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now dr lling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which wil commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men o San Francisco, and have put up their own money for development thus far. The office of the company is in room 404 Call Building where the President, C. C. Morehouse, or the Secretary, W. R. Jones can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

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Malleable Drop Forged Steel Tool.

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New York Office, 121 Liberty Street. Works, New Haven, Conn.

FUEL OIL FOR FURNACES.

An Eastern Manufacturer Talks on the Subject.

Mr. E. A. S. Clark, representing a great iron and steel manufacturing firm of Chicago, states that the smelting of ore in any other way than a blast furnace with coal or coke has never been successful. There is not much published literature on the subject of the use of fuel oil in blast furnaces, and not many experiments have been made in this direction with fuel oil, but in the state of the art at present in order to smelt iron ores commercially and successfully it is necessary to do it in a blast furnace with fuel consisting of carbon in a solid state. Fuel oil is used in other processes of the manufacture of iron and steel with marked success. Pig iron is converted into steel in open hearth furnaces, using oil as a fuel, and almost any operations of heating are easily and successfully accomplished with oil.

It is not necessary to convert the oil into gas, he states, as it can be used with better economy direct, in various forms of burners, the principle of which is that the oil is atomized or broken into a fine vapor by the use of compressed air, or steam, in which it burns like a gas.

If the price is sufficiently low, it can be used with splendid results for raising steam in boilers. One pound of oil will evaporate from twelve to thirteen pounds of water, there being seven pounds of oil to the gallon and forty-two gallons to the barrel. The evaporating value of coal varies greatly; one pound of Illinois coal will evaporate about 6½ pounds of water, but Pittsburg coal will do better than this, and good bituminous coal from our Pacific Coast mines will evaporate about eight pounds of water for each pound of coal used.

Even if oil should seem to be somewhat more expensive than coal, based upon comparative evaporative values, it can still be used with economy, since there is no handling of coal and no handling of ashes connected with it, and if there is a number of boilers the attendance is very much less. There have been cases where one man would easily attend to the firing of oil in twenty-two boilers, while with coal it costs about thirty-five to forty cents per ton of coal fired to do the firing and to dispose of the ashes, etc.

Mr. Clarke suggests that oil might be used with advantage in open hearth furnaces like those used by the Union Iron Works to make steel castings, and also in the forge department for heating. It could also be used in malleable iron works for melting and annealing, and in fact its uses in a metallurgical way are very wide-spread indeed.

Ready for Work.

Word was received Tuesday from the manager and head driller of the Great American Oil and Development Co., at Bradley, Monterey county, that the work of erecting the derrick and installing the water plant was progressing rapidly and it is expected that everything will be completed ready to drop the drill by the beginning of next week. In the meantime a meeting has been called with a view to increasing the price of the stock, which will have taken place by the time this paper goes to press.

Santa Clara Oil Land.

An order has been issued by Judge Hyland of Santa Clara County, upon a petition presented by the heirs of the Sargent estate, directing interested parties to show cause why the estate should not be leased. The petition, as presented by Attorney Bowden, shows that before Mr. Sargent's death he entered into a contract with the Watsonville Oil Company by which the latter agreed to develop the Sargent properties and prospect for oil. To this end, the oil company, it is alleged, spent about forty thousand dollars.

Afterward, and in line with the same work, the Sargent heirs contracted with J. P. Brunton that the latter might proceed with the development of the large Sargent holdings for ten years, and gave an option for the purchase of the land at the end of that period, the price being fixed at $500,000.

The court is asked to ratify the agreement so made, and December 21st next fixed by Judge Hyland for the hearing.

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Including Walking Beams constantly on hand at LOWEST PRICES

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Wire Ropes Of all Kinds For Oil Well Purposes

And all fixtures and appliances for the use of Wire Rope

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SAN FRANCISCO—No. 8 & 10 Pine St.

California Fortune Oil Co.

Incorporated under the laws of Arizona, November 7, 1900

CAPITAL, $500,000. 500,000 Shares, par value $1.00 each.

Stock Non Assessable. Location, Section 34, 12-24, Sunset District.

80 Acres in McKittrick and 320 acres in Coalinga Districts.

Our Derrick is Now Completed in Sunset

Drilling will commence in a few days, and rushed as rapidly as possible. Our Sunset property is surrounded by flowing wells, and the Monarch and Occidental wells (largest in the district) are on the same anticline. In the adjoining section the big well of the Golden Gate Oil Company is within one hundred yards of us. The Jewett-Blodgett & Beal well adjoins our section on the east.

Splendid Opportunity For Investment.

Only ten thousand shares offered at twenty-five cents.

Our land is in the proven oil district and there is no doubt but that we shall strike oil.

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We will be glad to furnish prospectus and map on application.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

HUMBOLDT.

The Press is authority for the statement that the prospects for oil in Point Arena are excellent.

KERN.

Development is active on the Midway.

Oil is again reported on the Commonsense at Temblor.

The capacity of the pumping plant of the West Shore has been doubled.

A company called the Star, backed by the Shortridges, will operate on 11, 30-21.

On 30, 31-23, work will commence on the Transfer property.

A new company with San Jose capital is going to operate in the emblor field near the Climax,

A 35,000-barrel tank has been put up on section 4, 29-28, by the Revenue Oil company.

The Edgar is deepening their well on 18, 28-28, as the formation is the same as elsewhere in the district.

Several officials have under consideration the beginning of operations on 22, 11-24.

The Sunset King, on 19, 11-23, Sunset field, has a good producer, and is ready to begin on No. 2.

Well No. 6 of the Monte Cristo has been perforated and is showing up as well as No. 5, which is producing 400 barrels daily.

A gas flame nearly a foot in diameter is burning on the Peerless property, supplied from its No. 6 well. Other wells on this property are said to be equally productive of gas.

The California Wine Association has control of the stock of the Petroleum Center, and work will be pushed vigorously.

A site has been selected for the first well of the Mt. Diablo in section 26, 32-23, of the Kern River field. Work on the Arizona Western is going slowly, to hard shells.

The Southern Pacific is preparing to extend its McKittrick branch two miles to the northwest, in the neighborhood of the Kern River, McKittrick and other properties. Rights of way have been secured on section 18.

The Petroleum Center on 28, 28-28, is laying a pipe-line three-fourths of a mile long to the railroad. They have purchased the land belonging to the Avery company on which their hole was recently drilled by mistake.

Suits for stock papers have been filed in Fresno by S. N. Griffith to recover $100,000 from the California Mutual Oil company. The corporation was organized with a capital stock of 500,000 shares of the par value of $1 each, and it is alleged by the plaintiff that on the 5th inst. he was the owner and entitled to the possession of 100,000 shares of the capital stock, which were in the possession of the corporation.

Suit has been brought by H. C. Tilden against the Trumbull Oil company et al to quiet title to the NW¼ of SE¼, section 24, 28-27. Heaving sand is giving trouble on the property of the Mallory company, 2, 28-27. In the Sunset field the Monarch will drill No. 3 as soon as the new 60 horse power boiler is in place. The wells already drilled are improving since the sand has been bailed out.

On section 31, 28-28, Sovereign No. 2 is 400 feet deep and No. 1 is in oil

There is still a shortage of oil cars in the Kern River field

The Sunset Diamond has made a strike on 13, 11-23, Sunset District.

The Acacia Oil Co will drill on 10, 29-28

A rotary pusher has been employed on the pipe line of the Thirty-three Oil.

The Standard Oil company has the material at McKittrick for three of its tanks, and sites for them are being surveyed.

The tanks of the Standard in the Kern River field are going up and seventeen miles of line pipe have arrived. The resident superintendent, Mr. June, is on the ground, and lines are being surveyed in all directions.

A Kern county company is preparing to invest $1800 in a water pipe line, to be laid upon eighteen mineral locations, so as to comply with the law requiring $100 worth of work to be done on each mineral location.

The Occidental Oil company will put up twenty-five derricks to hold its claims in the Sunset district. The law of mineral locations requires $100 worth of assessment work to be done annually on each claim of twenty acres.

LOS ANGELES

The Ocean View Oil company is having trouble with the casing in its well.

D. M. McGarey is deepening one of his wells on Metcalf street, near Temple

The Big Five Oil company is deepening some of its well on Rockwood street.

The Ohio Oil company, on San Joaquin street, has started the drill again in its well which has been idle for some time.

The Yukon Oil company is drilling on its fifteenth well and has derricks up for three more.

The Echo Oil company has finished up its No. 4, which promises to make a good producer, and has started the drill on No. 5.

Phelps & Beveridge have been obliged to abandon their first well on account of water, but are at work drilling their No. 2.

A good showing of oil has been encountered in the Scheffelin well on East Main street.

The Sterling is putting up a 10,000 barrel tank to hold the contents of the four wells, which will be connected with the pumping-jack.

Chanslor and Canfield have thirty men employed in the Midway field in building roads and other work preparatory to drilling on a large scale. Two rigs will put to work at once, although water is very scarce.

Well No. 2 of the Sterling Oil company 31, 28-28, a two-inch tubing was not sufficient to pump more than 250 barrels a day, and a three-inch was substituted, which is now carrying its full capacity.

In the Midway field, the Bay City, section 22, 32-23, is down 520 feet, with gas and oil indications. The Midway of Oregon will put in four strings of tools, and is ready to begin now on No. 1.

A landing was made in a clay stratum on Spellacy, Woods and company's No. 1, but an opening was forced by the pressure beneath and the well will be deepened to the new sand.

Continued on page 16

BOOTHE

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Steam and Gasoline Engines. Boilers. Pumps. Air Compressors.

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Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns.

Small capitalization. Economical management.

Write or call for a prospectus, map, etc.

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U. S. OIL & MINING COMPANY

Bakersfield, Kern County, Cal.

Are the owners of 600 acres of the choicest oil land in the Kern river and Sunset district. This company are the owners of a part of section 26, 12-24, only half a mile from the famous Jewett, Blodgett & Beales' big strike in the Sunset district upon which they are now sinking a well with every assurance of equally as good success as the formation and conditions are the same. A limited amount of stock is offered for sale at 25 cents per share for a few days only. Remember that active work is being prosecuted by this company on their property with every modern appliance, and when oil is reached your stock will be very valuable.

I. H. TOMLINSON,

408 California St., S. F

New Incorporations.

The following articles of incorporation have been filed in the office of the Secretary of State during the past week:

Corning Oil and Gas company. Principal place of business Corning, Tehama county. Directors W B Miller, I W Bromwell, Orland, Glenn county; W F Maggard, O W Davis, Corning, Tehama county: D S Kays, Pittsburg, Pa.; I V Bailey, Fresno. Capital stock, $100,000, subscribed, $8,190.

Beacon Oil company. Principal place of business, Los Angeles. Directors—M J Newmark, P Langbell, R A Rowan, G D Rowan, H M Newmark, all of Los Angeles. Capital stock, $1,200,000; subscribed, $30,200.

Blanche Oil company. Principal place of business, Los Angeles. Directors—P P Royere, O E Farish J H Parker, L P Collette, Los Angeles, and De Pilarie, The Palms. Capital stock, $2,000,000, all subscribed.

Alberta Oil company. Principal place of business, San Francisco. Directors—P Samuels, L H Brownstone, San Francisco; J W Burton, J P Brunton, H L Chadwick, Los Angeles. Capital stock, $500,000; subscribed, $50.

Overland Oil company. Principal place of business, Bakersfield. Directors—J F Buckel, H Alexander, A J Fowler, H C Rambo, J W Bowman, F Chamberlain and R S Action of Bakersfield. Capital stock, $500,000; subscribed, $35.

Prosperity Oil company. Principal place of business, Nevada city. Directors—R C Walrath, A S Lord, A R Lord, C L Miller, C W Chapman, L S Calkins of Nevada City and J S McBride of North San Juan. Capital stock, $500,000, subscribed, $300,000.

Fullerton and Pierce Oil company. Principal place of business, Los Angeles. Directors—C T Kellogg of Los Angeles, J J Burr of Alhambra and W O Jackson, C H Dunham, I T Veneer and F P Chaffee of Prospect Park and G E Scott of No Curamonga, Cal. Capital stock, $500,000, subscribed, $160.

Union Mutual Oil company. Principal place of business, Los Angeles. Directors—J Maier, A C Day, S McClure, J Y Baruh, C Sheerer, T A Simpson, E E Powers, C P Squires and W A White of Los Angeles. Capital stock, $600,000, subscribed, $900.

Los Angeles City Directory company. Principal place of business, Los Angeles. Directors—A Duffill, P Burks, H Duffill, J A Reed and F L Gramis of Los Angeles. Capital stock, $20,000, subscribed in full,

Big Chief Oil and Mining company. Principal place of business, Bakersfield. Directors—J H Wilson, W G Lutz, R H Stevens, N O Thomas, T S Shaw, C C Scribner, Mrs. C J Coulter and Mrs, D M Dickinson of Bakersfield. Capital stock $250,000, subscribed in full.

Western Mutual Oil company. Principal place of business, Los Angeles. Directors—C L Meracle, G H Richardson, W B Mather G W Strine and R D Holabird of Los Angeles. Capital stock, $500,000, subscribed, $400,000.

At Coalinga.

The Crescent Oil company has been making rapid progress with its new hole. The hole was started with fourteen-inch casing, the largest ever used at that time in the Coalinga district. At a depth of 620 feet the casing had been decreased in size to seven and five-eighths. In the new drilling eleven and five-eighths casing was used at the start and the well has gone down this size already to a depth of over 600 feet. It is generally conceded that if a well is struck on this property it will be a deep one.

The Oil Supply.

A coal broker states that next year crude oil will be delivered here in large quantities, and competition will be so sharp that low figures must prevail. Where fuel figures largely in the monthly expenses of some of our factories, oil will necessarily come to their rescue, and will cause the reopening of a large number of others.

The Casmalia O. & D. Co.

The Casmalia Ranch, Oil and Development Company are now 400 feet down on their well located on the Tognazzini ranch in Santa Barbara county. Everything is moving along smoothly, there having been no delays or accidents of any kind and the indications for an early strike are very favorable. The company has subleased 1000 acres of its large holdings on the Pezzoni and Morganti ranches to a private corporation which is now building its first rig on the Pezzoni ranch. This private corporation is composed of eastern capitalists who have had this portion of the oil district of California carefully examined and are confident that this territory possesses unexcelled possibilities for oil.

The Casmalia Company expects to have to drill to a depth of from 1000 to 1200 feet before striking oil. Another rig will be put to work by the middle of January on the Arrellanes Rancho. The Casmalia rig is near that of Tillman and Bendel, and the three rigs of different Los Angeles companies, while another Los Angeles company is building another rig near by. It is expected that within six months this portion of Santa Barbara county will have a forest of derricks similar to that which now exists in Kern county.

PETROLEUM IN TEHAMA.

Indications of Oil Found Near Corning.

The Geological Surveys, made under the direction of the government, have shown the existence of a well defined bituminous belt extending the entire length of the Pacific Coast. The coal deposits of the north are metamorphosed into the asphalt beds of the south, and in the intermediate territory lie the petroleum formations of the San Joaquin and the gas wells of the Sacramento Valley, accompanied by the strata of unaltered shales, sandstones and conglomerates which are characteristic of oil-bearing formations. In Tehama county, in this state, at a locality ten miles west of Corning, gas is found at a depth of twenty feet in sufficient quantity to feed a flame the full size of the casing and ten feet in height. It is thought that oil can be reached at a depth of from 1800 to 2000 feet. Samples collected from seepages show oil of an excellent quality, said to contain a very high percentage of illuminating oil. Two companies have been formed, each having control of about 2000 acres, and machinery will be purchased and work begun as soon as possible.

Now Drilling.

THE BAY CITY OIL COMPANY,

s now drilling on its lands in Midway District, K n County.

Circulars and maps sent on request.

Bay City Oil Company

321 Safe Deposit Building, San Francisco.
GEO. W. TURNER, President.
E N .SEWELL, Secretary

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Lands to lease on royalty or will take stock in progressive companies
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Treasury Funds to Be Used For Development Purposes Only.

We are Now Boring and Rapid Progress is Being Made.

As our test well struck oil at 32 feet it assures our future.
Free from Debt Ample funds.
No salaries paid to officers,

Since the organization of this company it has acquired 244 additional acres of fine oil lands in the Vallecitos District, San Benito County. This makes a total of 404 acres owned by this company. Capital stock 100,000 shares par $1.00. Treasury stock 40,000 shares. Limited amount to be sold. Stockholders are fully guaranteed against loss, as the officers and directors are men of wealth and integrity. Reference is made to the CALIFORNIA PETROLEUM MINERS' ASSOCIATION, San Francisco, Cal., or THIS PAPER.

A. KINGSBURY, General Agent.

565 Parrott Bldg., S. F. Cal.

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Oil Well Tools and Machinery.

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The Excelsior Adjustable Round Hoop Tanks

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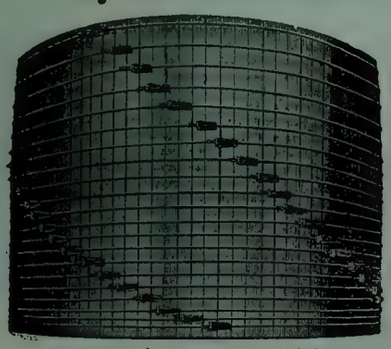

000 Gal. Size 20-2½x14 feet high.

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OIL WELL SUPPLIES

"Star" and Standard Drilling Rigs, Fairbanks Gas, Gasoline and Distillate Engines. Steam Pumps and Boilers, Boston and Reading Casings, Tubing. Sucker Rods, Pumps, Pipe Fittings, cordage, Wire Rope, etc., etc.

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In Kern River Valley District are respectfully requested to send a copy of their prospectus to
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10 California st., San Francisco
Room 1.

When you want to swear to
LEE D. CRAIG
Notary Public and Commissioner of Deeds
16 Montgomery St.
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Point Richmond Oil Co.

Capital Stock $100,000

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This company is capitalized with less shares than any other company in Contra Costa county.

Stock 50 cents per share.

No assessments. Small capital stock. Guaranteed advance in price

Controlled by well-known men

Our property is close to the city and can easily be seen. It is declared by experts to be as fine as any in the State

Strong companies are drilling on each side of us. Send for prospectus.

Point Richmond Oil Co.

floor, Room 41, Mills Building, San Francisco. Telephone Main 1765.

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J.E. BREITWISER, Inventor RISDON IRON WORKS Builders
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NEW RAPID HYDRAULIC ROTARY and WALKING BEAM combination rigs.

NEW STYLE STANDARD RIGS with all iron sprocket belts and rope drums.

NEW MULTIPLE PUMPING PLANT, with separate strokes each well.

HYDRAULIC CLEANING AND FISHING OUTFITS.
FUEL OIL FOR SALE.

The Flashlight Oil Co.

Capital $500,000 shares,—$1 each.

Owns 1200 acres in the best part of the the Oil City District, Fresno County The land to be developed first lies but two and a half miles from railroad station. No sand in the oil in this disrtict, the oil being of a higher, finer grade than further south.

Stock Non-Assessable.

Capable, conservative men behind the company.

The first sale of the stock is now offered at the extremely low price of 20 cents per share. Put your money with us and help put down our first well and you will get the full benefit of the rise in the stock. Our best oil men say we have as good land as there is in the State. Address all commuincations and make all drafts payable to

F. M. PERSINGER, Secretary
Rooms 115-117 Phelan Bldg. S. F., Cal.

Conti ued from page 13

On the Moore tract, M. L. Moore has abandoned the well recently drilled by him and will not continue his search for oil at present.

The California Crude Oil company has abandoned its No. 2 on account of water and has started the drill in No. 3.

The Sierra Oil company has finished up its No. 12 and put it on the pump. The company expects to drill nine more wells.

The Westlake Oil company is now pumping thirty-seven wells and is drilling on Nos. 38, 39 and 40.

The Uncle Sam Oil company has thirteen producers and is drilling on No. 14, which gives every indication of being another good well.

ORANGE.

The Olinda Company is starting a new well.

Graham & Loftus have a rig up for another new well.

The Santa Fe Company's well 15 has produced over 20,000 barrels this year.

The Union Oil Company has commenced a new well on the Kellerman lease.

Well No. 22 on the Santa Fe lease is down about 800 feet, with very good indications.

The Crown Valley's first well is down in Brea canon over 1300 feet, with no indications of oil yet.

The Carbon Canyon Oil Comp ny continues to strike small quantities of oil as its first well is deepened.

The Brea Canyon Oil company put well No. 7 on the pump this week, and it is producing 1 o barrels daily.

The Fullerton Consolidated company will begin drilling on well No. 7 next week. The rig is already up for this new well.

The Menges Oil company is striking the best of indications as its first well goes down in Brea canyon. The well is now down 900 feet.

The Columbia Oil company has erected another new rig over the well where the escaping gas ignited recently and burned the derrick. Drilling will be started up at once.

Fullerton Consolidated well No. 5 continues to gush at the rate of from 250 to 300 barrels daily. This company's No. 1 is putting out 50 barrels daily and No. 2 produces 75 barrels.

The Santa Fe will put in a twelve-horse-power gasoline engine to pump wells Nos. 15, 16 and 17, as they cannot be reached easily by the cables from the main pumping station.

The Rincon Crude Oil company will drill on an 80-acre tract near the Santa Fe railroad, about two miles north of the Montezuma well. The machinery and drill is ready for operations.

An employe who went up to the old Liberty well reports that the heavy gas output from the well continues right along, notwithstanding the fact that 1 o work has been done on this well for many weeks.

Fullerton-Riverside Oil company is drilling on its property near Riverside. A flint rock has been encountered, making drilling slow, but the company has plenty of money and will go down to a depth of at least 1500 or 2000 feet.

The Brea Canyon Oil company will start to drilling on No. 7 this week. This is alongside of abandoned well No. 2, in which a string of tools was lost on account of upheavals of sand and oil sand No. 2 was once a good producer.

The Brea Canyon Oil company commenced drilling this week on wells 7 and 8. Well No. 6, which has recently been producing 100 barrels daily, has put out some sand this week, but is expected to settle down to business by the first of next week.

The Tribune says that the Montezuma Oil company has closed a contract for another well to be drilled on its lease in the Scully tract. This property is in the eastern extension of the Fullerton field. Well No. 1 caved in at a depth of 700 feet, after the drill had passed through heavy oil bearing strata, and the tools could not be recovered.

Fullerton has added another gusher to its list of flowing oil wells, and now claims possession of the largest producer in this end of the state. Word was received from the fifty-eight acre tract in section 8, leased by the Fullerton Consolidated Oil company, announcing that a gusher had been uncapped on that property and was flowing at a rate of 500 barrels per day. The new wonder is well No. 5. which has been giving evidence of wonderful richness for some time.

NAPA.

A dynamite shot was recently put in the sandstone ledge at the oil seepage of the Mt. Shasta Oil company in Berryessa valley. The explosion brought a barrel of oil to the surface in an hour.

From O. L. Lamson of Bitterwater, the Hollister Free Lance learns that prospects for striking oil in the well that he is drilling on the Star Anticline Oil company's property are very flattering. Although but 100 feet, gas is coming from the hole quite freely, and the indications of oil are very favorable. Mr. Lamson expects to strike oil before going down 200 feet. At the Nonpareil well nothing is doing—the company awaiting the arrival of certain machinery ordered.

SAN BENITO.

Numerous oil locations are being filed in Monterey county.

The Hamiltonian Oil company expect to commence drilling in about two weeks

The Ashurst Oil company have all the machinery on the site of the proposed well.

The Prunavera Oil company organized by Boardman & Hooper of San Francisco have purchased a rig and will be drilling before January 1, 1901.

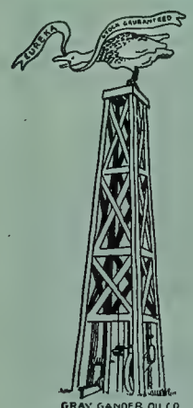
The San Benito County Oil company have driven the 11⅝ casing to a depth of over 400 feet and expect to reach 500 feet with this size casing.

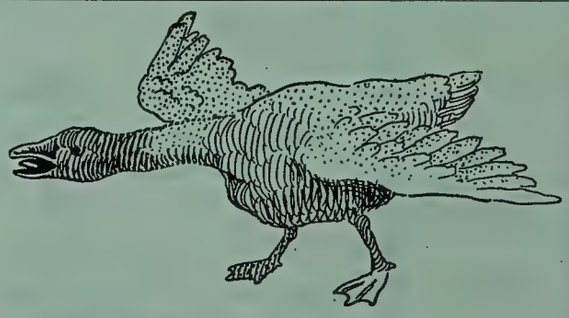
The World Oil company has drilled 525 feet and the indications for oil are good.

The Bee says that work is rushing on the derrick of the Hollister Crude Oil company.

The Star Anticline Oil company has drilled 100 feet. Driller Lamson expects to strike oil at about 200 feet.

A force of men have been surveying





GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
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We hereby certify that we have underwrttien the stock of the Gray Gander Oil Company and the advantages are as follows:

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W. B. BURROWS, Secretary

MAP OF GRAY-GANDER OIL COMPANY

Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

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President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street

Rooms 44 and 45, for special induc ments for short time

for the Pioneer Oil company on the Flint Ranch.

KINGS.

The Devil's Den Development company have their well down 750 feet.

The White Dove Oil company, whose property is located on the Lucier lands on the West Side, will have a rig at work soon.

SOLANO.

An oil-burning plant is being installed at the Benicia Agricultural Works. It is being done under the direction of M. Patton of San Francisco, manager of the Pacific Coast Machinery company.

SHASTA.

The Southern Pacific company through its general land office, made a contribution of $250 toward oil prospecting in Shasta county.

SANTA BARBARA.

The Juanita Oil company of Summerland is out of existence.

The Diamond Star of Summerland is putting up a derrick, and have let a contract for two new wells on Ortega Hill.

An outfit has been moved to Boyd's ranch, near Santa Inez, where drilling will soon begin.

M. E. Anderson has completed the first well of his contract on the park lease at Summerland and has started another.

No. 13 on the Duquesne is down 320 feet and [illegible]

The Sea Cliff has added another finished well to its total.

VENTURA.

The Ramona Oil company, which is drilling north of Camulos, at a depth of 615 feet met a vein of gas which threw water, sand and rocks over the top of the derrick for several minutes. Some white oil has been encountered in the hole, but this is not what is expected when the oil sand is reached.

The West Coast Oil company's first well on the Ayres tract has been abandoned for the present and the company will drill on its No. 2. The contract calls for three wells on that tract, and work on the third will begin shortly.

Gen. John R. Mathews and others interested in the development of the Bard oil lands, recently returned from a trip, where they found promising oil indications. Active work will soon be in progress.

The Ojai company has received encouraging reports from its first well. The hole is now down nearly 500 feet and the shale is heavily impregnated with oil that the derrick is spattered with the product.

The Buena Oil company's well on the Hollingswood tract is down 600 feet in well No. 1. A good well is predicted here by men familiar with the district.

The Buckhorn Oil & Transportation company has just completed its No. 16 which is good for over one hundred barrels day.

SAN LUIS OBISPO.

Operators from the McKittrick country who have investigated the new fields of San Luis Obispo county have faith enough in them to begin boring and arrangements have been made for the sinking of two wells on a 1400 acre tract. This tract is situated in San Luis Obispo county about ten miles west of the Kern county line. It is said the work will be vigorously prosecuted and that ample capital is behind the enterprise.

Before Investing In Oil Stocks

Find a Company with small capitalization whose lands lie in a thoroughly proven oil field.

The Pacific Coast Oil and Development Co.

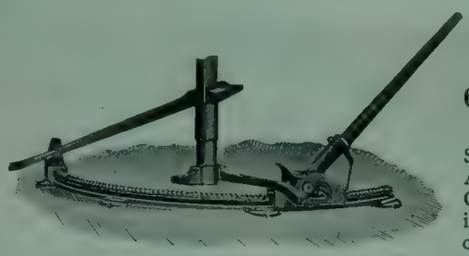
Office, 209 Hearst Building, San Francisco.

Is such a Company. Prospectus, Maps and full information supplied at our office on application.

Will receive orders for a limited amount of Treasury Stock at 50 cents a share,

But reserve the right to cancel this offer without notice.

Pacific Coast Oil & Development Co



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Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices, etc., inquire of

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LINCOLN OIL COMPANY

J. H. EDSON, Secretary and Manager

Central Bank Building, = = Oakland, Cal.

Expert's Report.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours

M. M. OGDEN

Field Expert Producers' Oil Exchange, San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party last week. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. The next will sell for twice that amount.

STOCK UNDERWRITTEN

OFFICE

Pacific Coast Underwriting Company

504 PARROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock isprered.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtaine in this city and can be easily investigated.

E. D. COLEY, President.
W. B. BURROWS, Secretary.

OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, F. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building, San Francisco. Telephone, South 795. Shares 25 cents. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATION CO.
Capital $200,000
20,000 shares at $10
Location. Ventura county. 150 acres two miles south of Buckhorn.
Officers- Martin L W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president: W J Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary: H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital $200,000
200,000 shares at $1.
Locaion, Fresno county,
Officers—Chas. Owens, president; S Aspland secretary; Geo. Buecker, treasurer, W M Walker, field superintendent.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital $500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital ..... 1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker
Office: 149 Crocker Bldg., San Francisco.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rrig outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital $150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, J. C. B. Hebbard, Chas J. Heggerty, Chas. A. Lee, John C. McElroy.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location N ½ of NE ¼, S 28 T 28, R 28 E, Kern River District; NE ¼ S 12, T 27, R 26 E, Poso District Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par

EQUITABLE OIL CO.
Capital $500,000
100,000 shares at $5.
Locat,on: Kern county: Southwest ¼ of section township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors-r John P Albro, A J Munton, T A Shepard, S D Miner, Capt E F Whitney, Frank Du Bois, Geo W Magwood. Office—393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital $200 000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital $600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; FFMPa cells, secretary; W D Reynolds, G H Jackson

GRAND PACIFIC OIL CO.
Capital $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

JS POTTS OIL, LAND AND DEV.CO.
Capital $600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Ca

KETTLEMAN HILLS PETROLEUM CO.
Capital ..... $200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LION OIL COMPANY. Incrporated under the laws of Arizona. Capitao$500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vise. president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Fraucisco.

MADERA CRUDE OIL CO
Capital $100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35. township 11, north, range 24, west, S B B and M, Sunset district.
Officers and Directors: W C Tighe, president; Joe Bancroft, vice-president; J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building, Madera, C

Great American Oil & Development Co.

OFFICERS AND DIRECTORS

M. C. Nunan - - - - - - President
D. H. Mosteller - - - - - Vice-President
M. L. Culver - - - - - - Secretary
C. W. Duffie - - - - - - Manager
Daniel Meyer - - - - - - Treasurer
Frank Severio, J. F. Harris, F. H. Allen
J. L. Geary, Jr. W. H. Davis

The Great American is now putting up a standard rig and drilling will commence just as soon as the machinery can be put in place. The company has ample funds in its treasury to complete its first well and in view of this fact the directors have decided to increase the price of stock from 15c to 30c per share on Dec. 15, 1900. All orders received up to and including that date will be issued at the 15c rate.

MOSTELLER & ALLEN, Gen'l. Agts
565-566 Parrott Bldg. San Francisco

HERCULES OIL CO.
Capital $100,000.—100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Flagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital $400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union rust Company, treasurer and depository,
Office: Room 435 Parrott Building, S. F.

XLNT OIL COMPANY.
Capital stock $500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3, township 19, south, range 14 east, M D B and M
Office--- 552 Parrott building, San rancisco, Cal

MONTEREY OIL DEVELOPMENT CO.
Capital $1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 428c acre2.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton. treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10. 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson. Dr. F A Plymire. Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300.000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamin, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office--606 Hearst (Examiner Building, San Francisco.

OCEANSIDE OIL COMPANYOF ARIZOA.
Capital $375,000
375,000 shares at $100 each.
Location: 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office--203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA
Capital stock 600,000 shares.... par value, $1.00.
Officers; Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Ca

OCCIDENTAL OIL COMPANR
OF WEST VIRGINIA
Capitpl stock, 600,000 shares.... par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1693.

ORIENTAL OIL COMPANY.
Capital $100,00
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county. Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager
Office. Room 506 Parrott Bldg., San Francisco

PETROLEUM CENTER OIL CO
Capital $500,000
500.000 shares at $1.00
Incorporated. October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-President, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm Hanson, Jas H Borland,
Office—Room 29, Third floor, Mills building, San Francisco.

POINT RICHMOND OIL COMPANY.
Incorporated August 7. 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co. Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point J O Denny, journalist, San Francisco. Office, room 42, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo Easton, J L Rathbone, C S Benedict.
Office: 638 Market street. San Francisco Cal

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E, first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices, 611, 612, 613 Hearst building, San Francisco

SAN ARDO CONSOLIDATED OIL CO.
Capital $200,000
200,000 shares at $1.
Location: San Ardo district. Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, R. C. Newell.
Office—Room 9, second floor, Mills building, San

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president Allen Brant, vice-president; D A Porter secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and 1329 Market street, San Francisco.

SURETY OIL COMPANY.
Capital $600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary, D. A Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

GREAL NORTHERN OIL CO. OF OAKLAND
Capital $250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location oil property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray, Secretary.
Office, 476 Tenth street, Oakland,

SUNSET VORTEX OIL COMPANY

Capital $600,000
600,000 shares, at $1.00 each
Incorporated July 31, 1910.
Land, 200 acres, in Sunset and Kettleman Districts.
Officers and directors—Ambrose Harris secretary, Taree A Bell superintendent John I. Greer San Rafael, W B Taylor San Rafael D C Campbell Los Angeles, A H Brust Paul Redfield Lewis L Barrere, San Francisco H L Grat Frank N Stone attorneys Germania Trust Company treasurer
Offices 511-512-513 Hearst Bldg San Francisco

SALINAS OIL COMPANY Incorporated October 9, 1910 Capital $2,000,000 Number of shares 2,000,000. Land 2000 acres in Monterey county Officers and Directors—President W S McCarthy San Francisco vice-president J J Gunn Independence treasurer W S McCarthy secretary J B Olsen San Francisco attorney Hon Eugene J Bert San Francisco Office—Room 951 Parrott Building San Francisco

SUPERIOR OIL COMPANY

Capital stock 100,000 shares, par value $1 each 1,760 acres of land in the Sunset and McKittrick district
Two standard rigs operating at present time
Officers and Directors—R S Aston president W Dixon vice-president J W Crosland secretary and treasurer, Wm M Landess W W Kelly and Wm Wallace Attorney C C Congdil Office No 17 Castes block Bakersfield Cal

THE RAVEN OIL COMPANY.

Capital stock $1,000,000 divided into 1,000,000 shares of the par value of $1 each 1,000 acres 160 acres in south half of south half of section 8, 28 25, and lots 1, 2, 3 and 4 containing 201 acres same section Kern River district Officers—Hon John R Aitken, president, C H Congdon, vice-president, C H Quinney, secretary, D G Overall, superintendent, Paul A Finch Bank of Bakersfield treasurer
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street

THREE STATES OIL CO Limited.

Capital $1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary, E S Tutt Oen E P Colgan, I N Pattison, M F Levy
Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital $300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-23, near Monarch, adjoining Jewett, Blodgett & Beaugster. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Ca.

WILD GOOSE OIL CO.

Capital $500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger president; A P Coffin vice-president; H C Tilden, E L Dow, N H Eaton I. F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671

YOUKN CRUDE OIL CO.

Capital $250,00
100,000 shares at $2.50
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F W Sumner and Geo W Henderson.
Office 638 Market street, San Francisco

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Coast representative Geo. Anderson, Bakersfield

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Analytical Chemist

Special attention given to the analysis of Oils, and to the tests o Gypsum, Kaolin Clay and other minerals held by the Land Department as sufficient to maintain placer mineral locations.
Quick and accurate returns at moderate prices.

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STOCK BROKER.

628 Laughlin Building, Los Angeles, Cal.

Oil Stock Investments paying ½ to 2 per cent. per month. Active Representative Wanted. Correspondence Invited.

A Splendid Opportunity

FOR INVESTMENT

Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.
We also have for sale or lease any part of section 26, township 32 south, range 23 east, Sunset District, on reasonable terms.

ROOM 623 LAUGHLIN BLDG.
LOS ANGELES, CAL.

The Barrett Oil Well Swivel Wrench

For carrying and pl cing bits in drilling stem bits

Drilllers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different sized squares or suit different sized bits.

—MANUFACTURED BY—

J. Barrett, = Alleghany, Pa.

Kern River Oil Land.

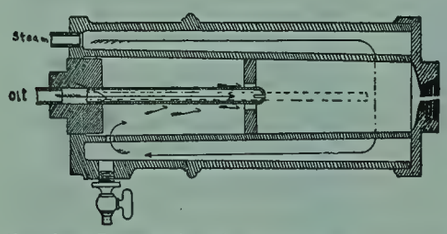
Proven territory on line of Railroad for sale. Splendid chanc or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building

Pacific Coast Machinery Company



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Pacific Coast Machinery Company, 12 Fremont Street, San Francisco

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Thousands of acres of No. 1 OIL LAND in the

Kern River, McKittrick and Sunset Districts

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VOLUME 2

WHOLE NUMBER 50

Pacific Oil Reporter

SAN FRANCISCO, CALIFORNIA, FRIDAY, DECEMBER 21 1900

Opportunities for Investment

Our Drillers Are Rapidly Nearing the Oil Sand

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MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

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Scale of Chains — Scale of Miles

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Our reliability and progressiveness not an experiment. Proven by record of Sterling Oil and Development Company. The Sovereign is under same management. Prospectus and maps are free for the asking.

10,000 shares at 75 cents per share. Orders filled in rotation of receipt, and the right to revoke this offer, without notice, is reserved by company.

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State Mineralogist Prof. A. S Cooper last week examined our property and reports to us in part as follows:

"I have examined that part of your property adjoining the bituminized sand deposit, and find that the axis of the San Antonio anticline passes through this property. That the shales constructing the anticline are highly bituminized. The axis and strike of the anticline runs S. 35 E. and N. 35 W. This anticlline is made very conspicuous on account of the white leached shales. The northeast dip of the anticline are sandstone strata filled with viscous bitumen. Near the axis of the anticline the shales are highly silicated and are black in color,and this color is owing to the presence of bitumen when they were silicated. After they were icified the shales were cracked and seamed each crack and seam, however minute, has been filled with ascending viscous bitumen. A large number of springs containing sulphurated and carbureted hydrogen are found near the apex of this anticline. Mineral waters nearly always accompany bituminous springs in California.

Judging by analogous conditions existing in other oil fields, and in consideration of the geological conditions described, it is probable that petroleum oil may be obtained through wells drilled in this district. It is almost a certainty that carbureted hydrogen will be obtained having a high pressure. (This means a flowing well).

"The property is easv of access. There is an abundance of wood and water on the ground to carry on the work of drilling and in the case of he construction of a pipe line the descent would be continuous to the railroad

I am of the opinion that you are justified in sinking wells."

Mr. S. S. Simon, a successful expert and locator of wells, says: "The anticlines,shales,fossiliferous deposits, bituminous rock and other formations found upon this property, and which indicate the presence of oil, are the finest and most perfect of any in this state. I am satisfied this district will be found to be a lake of oil."

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PACIFIC OIL REPORTER

VOL. 2 NO. 7. SAN FRANCISCO, CAL. FRIDAY, DECEMBER 21, 1900 PRICE, TWENTY-FIVE CENTS.

CALIFORNIA'S PETROLEUM.

A Unique Oil Region and an Industry that Has Begun an Enormous Expansion.

California's petroleum industry has, within less than two years, experienced a period of great expansion, which has made it third in importance of the mineral industries of the state in value of output, if it has not already, during the current year, risen to second place, while it progresses rapidly to crowd for first place, in the future, the great gold mining industry.

But the value of the industry to California is not to be measured by the statistical figures which record the amount and market value of the production. It has an indirect and far grrater significance to the commonwealth so long known as the Golden State. It is now rapidly supplying the chief industrial need of California—a cheap and efficient fuel. With this blessing available, this state will awaken rapidly to the large industrial life and prosperity which its geographical position, its vast and varied resources and the commercial awakening of the Pacific region make part of its destiny With an abundant fuel supply equivalent to coal at $2 50 to $4.00 per ton, manufactures will be enabled to multiply and prosper in competition with other parts of the world. The petroleum industry is thus a basic one in this state, and will do for California what cheap coal has done for Pennsylvania and Alabama.

The crude oil output of California in 1900 will be between 4,000,000 and 5,000,000 barrels, so rapid has been the recent increase of production. In 1899 it was 2,677,875 barrels, to which figure it had steadily advanced year by year. Its allied products were: Asphaltum, 15,060 tons; bituminous rock, 40,321 tons; natural gas, 115,110,000 cubic feet.

During 1900 the expansion has been remarkable, its leading features being the development of the wonderful Kern River field, and a widespread turning to this industry on the part of the general public and on the part of capital, resulting in an energetic prospecting of new fields, widely distributed throughout the length of the state.

The petroleum resources of California are enormous and their development has hardly begun. The formations which are oil-bearing extend throughout the length and breadth of the coast range, a distance of 900 miles, and underlie the whole of the great central valley, comprising over 40,000 square miles of these formations which are in places two miles thick. The developed territory does not aggregate 100 square miles, while geological and surface indications point to profitable stores of oil under thousands of square miles of territory.

This state has a number of features making it unique among the oil regions of the world. One is the geological structure. In the eastern and most other producing regions, the oil-yielding strata, whie deflected and folded more or less, lie comparatively horizontal and seldom outcrop.

In California, with one exception, the fields, developed and prospective, present the interstratified oil sands dipping at high angles down the sides of anticlinal folds. These strata have been greatly folded, contorted and broken. Hence the oil fields are narrow belts covering the width of the incline of the strata. Prospecting is generally difficult and uncertain. Only in the Kern River field do these sands lie flat under a wide area. Other similar fields, and great ones, will be discovered under the floors of the San Joaquin and Sacramento valleys, where only natural gas has yet been developed.

The depths of the productive oil sands in many places in California are phenomenal, ranging up to 400 feet. One unique feature is the submarine oil field at Summerland, where oil wells are sunk from wharves extending far out into the ocean. In their nature California oils, while varying much in gravity and chemical composition, are as a rule heavy oils, with an asphalt rather than a paraffine base, and they contain a high proportion of carbon to hydrogen, which, with the frequent presence of nitrogen and sulphur, makes them afford but a comparatively small percentage of illuminating oil, and that of a rather poor quality. While they afford valuable lubricants and other products of distillation, their chief value is in their use as fuel.

The California field is, and will probably remain an isolated one to a great degree. Its product is not in a commercial position to stimulate competition with other fields in the world's markets. No foreign trade has been established or sought, except for asphalt, but the great future increase of refining will undoubtedly place the refined products in foreign markets. So far the output has been consumed within the state and so great are the possibilities of the home consumption that California will be able to take care of an increase of millions of barrels in the output.

Oil being Flumed from a Kern River Well.

Bulletin No. 19 on the "Oil and Gas Yielding Formations of California," by W. L. Watts of the State Mining Bureau, has just been issued. It is a splendid work of 240 pages copiously illustrated with half-tones, diagrams and maps and is distributed free for postage to residents of the state by the State Mining Bureau.

An Oil Train on the Branch Railroad to the Kern River Field.

GREAT IS THE FUTURE.

State Mineralogist Cooper Says the Industry Has but Started.

State Mineralogist A. S. Cooper has made petroleum a special study for many years, both in its scientific and practical aspects. and is thoroughly familiar with the petroleum resources of the state in general and the important fields in particular. He is not only confident but enthusiastic in regard to the future of the oil industry in California, believing that the industry has yet hardly acquired a start. The other day he expressed that confidence in a brief general discussion of the industry that will have great interest to oil men.

"We have not yet started to develop the oil resoruces of California," declared Mr. Cooper. "The entire territory developed and producing does not amount to 100 square miles and there are 40,000 square miles in which oil may be found. Besides the large area covered by oil yielding formations, the oil sands in this state are unusually thick. In Pennsylvania the deepest oil sands are 100 feet and in some productive eastern fields the oil-yielding strata are from one to a few feet thick. There are many places in this state where the deposits of bituminous sand are 150 to 300 feet thick Think of the Kern river field with 400 feet of sand and one-tenth of it oil!

"There is an immense area in which there are not only possibilities but probabilities of oil being found. The whole central valley of the state is is full of possibilities. There is no good reason why other fields like the Kern River should not exist under the San Joaquin valley. The Kern river field is a half-dome on the east side of the upper portion of the valley. The entire valley was raised in mass and the east side was raised more than the floor on the west side. The erosion from the Sierra Nevadas has been the heaviest and the detritus has tended to throw the drainage to the east side. The hydrostatic pressure is towards the west where denudation and waterfall less, hence the oil floating on top of the water in the porous strata would rise toward the east where the strata are highe The sedimentary rocks underlying the Kern fields and yielding its oil are necessarily of the same geological age and character as those underlying the entire central valley, and under the same conditions there is no reason why they should not be as heavily bituminized. That they are bituminized is proved by the natural gas developed at Stockton and elsewhere. The strata underlying the valley do not lie perfectly flat and it is nonsense to suppose that there are no flexures, foldings or domes presenting slightly tilted sandstones and shales, saturated with petroleum, which ascends to the apex of a dome on account of the buoyancy of the water. In the south end of the valley the sedimentary rocks are probably shallow and are much thicker in the central portion. They are here much more deeply covered by alluvium, which at Stockton is found to be nearly 2000 feet deep. The natural gas from the Stockton wells, which analysis proves to come from petroleum, proves the presence of the latter in that region. For the reasons stated the stores of oil are more likely east of Stockton and, except in the case of possible domes under the central part of the valley, whatever undiscovered fields like the Kern river may exist, are probably along the east side of the valley. Natural gas is found elsewhere through the San Joaquin and Sacramento valleys.

"The natural gas in this valley, by the way, is not free gas accumulated in the tops of domes, as in the East, but exists in solution in water. The free gas is likely small in amount because the formations are so much broken that it has escaped. It is confined in the water under pressure, as in champagne, and when the waters are tapped as in the Stockton wells, which are about 2,000 feet deep, the gas escapes from the depth where the pressure of the column of water allows it to do so.

"There is thus every probability of the existence of a great amount of petroleum under the Central valley. If a dome exists under the valley, it would probably prove the biggest oil field in the world. The rock strata are so deeply buried with alluvium that prospecting for oil is pure wildcatting, but some day somebody will drill a water well, find gas, go deeper and discover an oil field. By the way, several wells of the Kern River field reach 500 feet below the level of the ocean.

"The state is full of possibilities elsewhere, prospecting and development are rapid. The gap between the Sunset and McKittrick districts in the Coast Range foothills on the east side of the valley, is being fast closed. The McKittrick district has been extended northerly five miles to the Temblor field, where the Climax company has five wells, but they have not gone out from the anticline for enough for deep wells. Boring is proceeding along this gap.

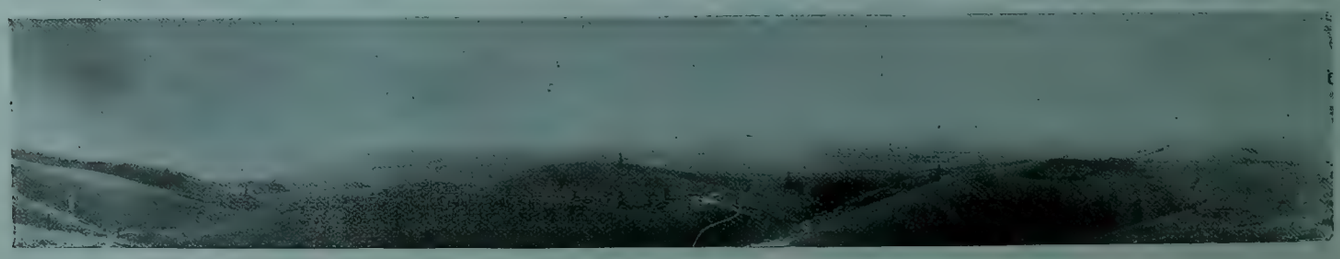
"The next gap in this foothill line extends thirty miles to the Devil's Den district, where wells are going down in promising territory, but they have not struck the combination yet. All along this gap are white shales, mineral springs, seepages, outcroppings of sandstones and other favorable indications. They are bound to develop oil in this region some day.

The same indications extend through the Kreyenhagen field and on to the Coalinga, sixty miles north of McKittrick. They have not half begun to develop the Coalinga field. The anticlinal fold here is contorted and not well developed and the strata dip at a high angle. Production in this field will necessarily decrease if new wells are not developed, but the field is not exhausted by any means. They must go deeper and find sands in other places.

"Northwest of Coalinga 24 miles is the Vallecitos anticline, in San Benito county, about nine miles long. This will probably prove a good territory. Four wells are being drilled in the Vallecitos valley. North of this four miles on a parallel anticline the Union Oil Company has four yielding wells and this will probably be a good field.

"The country from Vallecitos through the counties to Mount Diablo is practically unprospected and there is no good reason why oil should not be found through that whole country. Toward the coast in the counties of San Benito,

Wells of Monarch Oil Company, Sunset District.



Puente Oil Wells Looking South from Puente Hills.

OIL REFINING TO BOOM.

Millions of Barrels Will Be Consumed in Process of Distillation.

Small and crude attempts at refining California petroleum were begun in the decade of the '50's and continued intermittently for a generation before adequate capital and facilities and commercial conditions made the industry an established success.

To-day, although but a fair start has been made, the refining of California oils is far more extensive than is generally comprehended. Exact statistics are not obtainable but competent authorities place the capacity of the refineries of this state at 150,000 barrels per month or 1,800,000 barrels per year. The refineries thus cut an enormous figure in the consumption of the crude output and this and the sure promise of a great and early increase of refineries and of the capacity of present ones, gives further strong warrant to the prediction that consumption will practically keep pace with production in the future. The present value of the products of California oil refineries is about $3,000,000 per year.

California oils, even the lighter oils, principally of Southern California, which are mainly used, yield a low percentage and a low grade of illuminating oils, and such oils are not the chief product of refining, as with the Pennsylvania petroleum. That oil yields from 50 to 80 per cent of the best illuminating oil in the world. California oils, like those of most of the world's fields, are of a heavier gravity and of a different chemical composition. It has an asphaltum instead of a paraffine base, and the proportion of carbon to hydrogen is higher than in the Pennsylvania oil. This gives too little hydrogen to consume the carbon, and the oil burns with a sooty flame. It generally contains nitrogen and often sulphur, and this gives a disagreeable odor when burned. A light California oil yields up to 25 per cent of a fair grade of illuminating oil, and years ago its production was pushed by two large refineries in competition with the Standard Oil company. This company, however, contracted for all the illuminating product of the refineries, and has thus controlled it for several years. The California product is mixed with Eastern oils and sold as a low or medium grade illuminating oil.

Other products are here of greater importance. The principal products of distillation are gasolines, naphtas, benzines, "distillates," as they are commercially known, illuminating oil, lubricating oils, fuel residuum and asphaltum. Little of the finer by-products of refining is included in the output and the refining methods are simpler than in leading eastern refining plants.

The gasolines and naphtas are used in gas plants, for fuel and illuminating, for stoves and all the varied uses to which these products are put. The distillates are used in gas making, in oil engines, etc. Gasoline and crude oil engines are multiplying rapidly in the west. The lubricating oils are of a high grade and great variety. The asphaltum finds a very great variety of uses and brings from $20 to $25 a ton. It has been largely shipped to the east and Europe to be mixed with sand for paving, it is largely used in making protective paints and varnishes and finds many applications in the useful arts.

The Standard Oil company has just entered the refining field, which is a very significant development. The field is a large and profitable one, with a great and expanding market for the refined products, and this is destined to early cut a vastly greater figure in the oil industry of the state, to the stimulation of production, the increase of consumption, the steadying of prices for crude oil and the industrial prosperity of the state.

The following comprises a brief resume of the leading oil refining plants of California as they exist at the present time.

The largest oil refinery in the state is the one of the Pacific Coast Oil Company at Alameda Point on San Francisco Bay. This is also the oldest existing refinery. The plant comprises thirteen stills with a total daily capacity of 2215 barrels. The tankage provided is: for crude, 54,000 barrels; for refined and by-products, 16,000 barrels. The crude oil comes mainly from the Newhall district, Southern California, being transported in a tank steamer and a tank barge. Thirty-two men are employed. The products are gasoline, illuminating oil, lubricants, other distillates and asphaltum.

The plant of the Union Oil Company is at Oleum, Contra Costa county, on the bay shore, capacity, 900 barrels. The products are benzine, illuminating oil, gas engine distillate, gas distillate, lubricating oils and asphaltum.

The Paraffine Paint Company of San Francisco has a small plant at Emeryville, Alameda county, with a capacity of 180 barrels a day. Asphaltum, prepared for roofing and other paints, and various distillates are the products.

These are all the oil refineries in the bay region. The only other one "north of Tehachapi" is the Jewett & Blodgett refinery in the Sunset field, at the head of the San Joaquin valley, thirty miles from Bakersfield, established in 1891. The capacity is about 100 barrels a day. The average heavy oil or maltha refined in the past yielded the following products: distillates, 20 per cent; lubricating oils, 12 per cent, heavy distillates, 13 per cent; asphaltum, 55 per cent. The recent developments in the Sunset field have greatly changed the conditions attending this plant.

There are five refineries in Los Angeles county, four being in the city of Los Angeles. The largest one is that of the Puente Oil Company at Chino, capacity, 1200 barrels. It was established in 1895. A pipe line fifteen miles long conveys the crude oil supply from the company's wells in the Puente field. This company produces about 125,000 barrels of crude oil per year and has produced 1,500,000 barrels. The company has a long term contract to supply the Chino beet sugar refinery with fuel oil and provides most of this supply from its refinery. In 1899 the refinery handled 120,000 barrels of crude oil, the refined product being 35,833 barrels. The output was mainly as follows: gasoline, 105,000 gallons; painters' benzine, 50,000 gallons; water-white oil, 450,000 gallons; gas engine distillate, 900,000 gallons.

The Franklin Refinery company has an 850-barrel plant at Los Angeles and in 1899 handled 20,000 barrels of crude oil. The products are gasoline, gas engine distillate, gas distillate, green oil, lubricating oil and asphaltum.

The Asphaltum Oil and Refinery company, Los Angeles, handles 375 barrels of Fullerton oil daily and is about to double its capacity.

The American Oil and Asphalt company, Los Angeles has the oldest refinery in that city, capacity 675 barrels. The products are distillates and asphaltum.

The Southern Refining company has a new and small plant at Los Angeles, and the Hercules Oil Producing company has a capacity of 1,000 barrels a day.

At Obispo, Los Angeles county, the Sunset Oil Refining company has a plant with a capacity of 1,200 barrels per day.

GREAT IS THE FUTURE.

Continued from Page 7

Santa Cruz, Monterey and San Luis Obispo, and down in Santa Barbara, the probabilities are great but these regions await the first successful driller. Here are anticlines, some fifty miles long, showing shales, bituminous rock, seepages, mineral springs, gas, etc., and the possibilities are large. Southern California fields are steadily being extended, and a great deal of prospecting is going on through an immense region north of San Francisco bay.

"There is a great future for California's petroleum. As production has hardly begun, so consumption has hardly begun."

A lonely derrick by a rare exhibition of an anticlinal fold. Modelo Canyon, Ventura County.

PACIFIC OIL REPORTER

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The Oil authority of the Pacific Coast
Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

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FRIDAY, DECEMBER 21, 1900

One Year Gone, Another Coming. With best wishes and the compliments of the season for its readers, the PACIFIC OIL REPORTER makes its appearance before the public in its great annual edition. It is the desire of this paper to keep pace with the growing importance of the oil industry of California, and to give an adequate representation of the business to the investing classes of America and Europe.

The enormous increase in value and importance of the oil production of the state during the past year is second only to the great gold excitement of pioneer days, and one year more will see the oil industry yielding as much returns to the state as gold and silver mining.

The year just beginning offers prospects for the oil industry equal to the splendid results of the one just passed. The fields of the North so long worked upon without results, seem more than ever before to be about to realize the expectations of those who have so persistently exploited them.

In the South, the great fields of the San Joaquin valley, which at the beginning of the year were struggling with the practical questions of development and showed only a few wells of moderate capacity, are now daily reporting enormous producers, whose owners are vainly attempting to check the output until adequate tankage can be provided.

The Southern California fields continue their policy of conservative expansion, showing a moderate but steady growth. The fields south of Los Angeles, although they have thus far been developed to only a moderate extent, have made some sensational developments which promise great things when the full extent of the territory has been developed.

The narrow Los Angeles city field is finding steady growth in its western extension; the Newhall field has shown some remarkable freaks in oils of different gravity in the same neighborhood and a tendency to develop the heavy oils of the Elsmere section. In Ventura county the Union pursues the tenor of its way and the general bustle of the industry has brought a number of small prospectors in to unusual activity. Summerland operators continue their strange invasion of the sea, and the coast counties to the north are still eagerly prospecting for the high gravity oil which is known to be there, but which has not yet been found in quantity.

A Klondike Jewel.

The McKittrick field is noted for being the earliest explored in the San Joaquin Valley, for its asphaltum deposits, its enormous gas pressure and flowing wells, or gushers. The most noted of these was the McPherson, and near this the Klondike Jewel has secured a location being the owners of 240 acres in Sec 2 30-21. This is a very valuable property and as oil has been struck on the adjoining property, it will undoubtedly be on a dividend paying basis in a very short time.

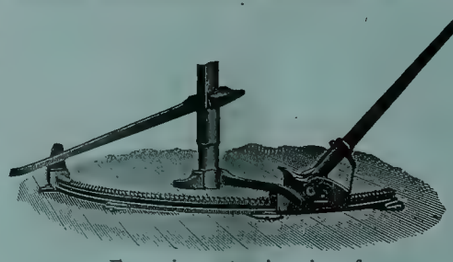
THE NEW CENTURY WHITE OIL GUSHER.

Water-White Oil.

The New Century Company, which struck the famous "White oil gusher" in the Newhall field, is down 700 feet in its No. 2, with the same formation as the first well, and expect to strike oil soon. About three months ago this company struck a flowing well of clear white oil of 45 gravity, which gushed above the casing at the rate of 100 barrels daily. The present production is 20 barrels. This remarkable oil is supposed to be the result of percolation through a hard formation, although it is not improbable that it may be a product of re-distillation by natural heat. A similar product, sometimes called "naphtha oil," has been found in Cuba and Mexico.

An analysis of the oil is as follows by percentages: Petroleum ether, 3.66; gasoline 14.83; naptha 30.33; benzine 17.67; light kerosene, 23.33; heavy kerosene oil, 10.00; lubricating oil, none; residuum, 18; specific gravity, .79918, equivalent to 45.14 deg. Baume.

A sample of this oil may be seen at the PACIFIC OIL REPORTER Office.



W. FORGIE
Manufacturer
OIL & GAS WELL
RIG IRONS
Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices, etc., inquire of D.HOOKER Los Angeles, Cal., W. FORGIE, Washington, Pa.

About Our Fuel and Gas Oils

If you can use Crude Petroleum or its Distillates, either as fuel under boilers, furnaces, brickkilns or forges, for the manufacture of gas or its enrichment, for gas engines and motors, or for stoves and house furnaces, I am in a position to supply them. Crude Petroleum, 14 to 24 degrees, and Distillates (refinery products) from 20 to 50 degrees (Beaume). Higher gravities if desired. Quotations for car loads only (150 bbls) Southern California is now the producing and refining center for California's Petroleum, and the best market in which to buy it or its products. Correspondence solicited

LOUIS BLANKENHORN Petroleum Broker, 211 Douglas Building Third and Spring, LOS ANGELES

A New Element A significant feature of the new year's outlook is the intervention of great capitalized companies in the California fields, concurrently with the breaking up and rehabilitation of the great pioneer corporations. Oil men have concurrent reports that the sale of the Chanslor & Canfield properties at Coalinga to an English syndicate have been confirmed the purchase price being reported to be $1,850,000. and the territory involved in the neighborhood of 4300 acres. Senator Bard is reported to have sold his interest in the Union Oil company and immediately afterward the company is reorganized with $10,000,000 capital, the presumption being that the additional capital will be used to promote development with more activity than in the years past, during which the Union has pursued a course of very conservative management. The Standard Oil company, which during all the time it has been operating on the Coast has confined itself strictly to the purchase and storage of refined oil, has branched out in a new direction, and come into the Kern River field as an agent for the purchase and storage of crude fuel oil, showing that it is in earnest by the investment of money for storage tanks on a large scale one hundred thousand barrels at McKittrick and the same at Kern River. The reported sale of the Pacific Coast Oil Company's property is in a line with these transactions.

The oil men cannot do otherwise than congratulate themselves on the advent of capital to the coast. There is still a vast amount of oil territory which will require great capital to develop it, and when all the money available has been brought in from the outside there will still be plenty of room for small investors, who will reap the benefit of the experience of older and wealthier corporations.

Our Exchange's Splendid Record One million dollars in sales is a splendid record for the San Francisco Stock Exchange for the nine months of its existence, in exact figures $1,083,522.69, from March 20th, the date of the assimilation of the two exchanges, to Dec. 19, when the REPORTER'S stock report closed. The last week's business has passed all previous records, the sales reaching $98,777.20, showing an increase of 42 per cent. over the preceding week. The total for December so far is $229,995.20.

The number of shares sold was 70,090, at an average price of $1.24 per share. At the usual commission of 1 per cent, the oil brokerage business in San Francisco is becoming a profitable one, and those who have stood by the Exchange in its early days are now likely to be carried along on the wave of prosperity which in the coming year will overtake the oil business of California.

FUEL OIL VALUES.

Thomas Price on the Properties of Petroleum.

Thomas Price, the widely known chemist and assayer of San Francisco, has long given attention to petroleum as well as other mineral products and is an eminent authority on the chemistry of California oils. The following brief and general statement is by him:

"All hydrocarbon oils have, pound for pound, the same calorific values. If they are light oils the calorific value per barrel is less because they weigh less. From a practical point of view the evaporative value of the heavy California oils is 17.5 pounds of water evaporated from 212 degrees per pound of oil. Such oils weigh from 7.25 to 8 pounds per gallon. Good bituminous coal will evaporate between 9 and 12 pounds of water per pound of coal. When all economics are considered, it may be stated that on the average one pound of oil is worth two pounds of coal. I have no doubt that improvements in the methods of burning the oil will yield still better results. On the average 3 o 3.5 barrels of oil are equal to one ton of good bituminous coal."

The Famoso.

Inquiries at the office of the Famoso Oil & Investment Company elecited the fact that matters are progressing in a most satisfactory way with this company. The property of the Famoso Company is situated in the Sunset, McKittrick and Kern River districts and is surrounded by producing wells so that the company is sure of getting oil in each district. None but treasury stock of the company is being sold and all money which is received from the sale of oil will be paid out in dividends to the stockholders. The stock of the company is underwritten by the Pacific Coast Underwriting Company and is guaranteed by the Continental Building & Loan Association.

The Commonwealth

Commonwealth Oil Company is situated on 32, 26-28, Kern River district, containing 320 acres of land fully paid for. Their equipment of wagon, tanks, rig, engine etc is the most perfect obtainable. They are now down 583 feet with their first well, and the opinions of experts who have examined the formations passed through are most flattering. From present indications, it is almost certain that the oil sand will be struck in a few days. The company was organized with a capital of $100,000; owns its tract paying no royalty; no salaried officials; all money is expended for work on the grounds and has no debts. The stock has never been on the market, as it was disposed of among the friends of the organizers. The object has been to make it as near a close corporation as possible. The stock is now selling at 75cts but is liable to an advance in the near future.

The California Fortune.

This is one of the leading oil companies in California. It is incorporated under the laws of Arizona and the stock is absolutely non-assessable. Capital stock is $500,000—500,000 shares at a par value of $1.00 each. The companys land are located as follows: 320 acres United States patented land in the famous Colinga district, Fresno county, eighty acres in the McKittrick district and eighty acres in the Sunset, in Kern county, Cal. The first well will be drilled immediately, on the Sunset tract, which adjoins and is bounded on three sides by territory on which are flowing wells of great capacity. These are in close proximity to these proposed site of the companys well. This is right on the Oil Belt and success is almost assured. No well yet sunk in the Sunset district has proved a failure. It is believed by experts that a vast lake of petroleum underlies the Sunset oil fields. The Southern Pacific Railroad is building a line into this district, where the only possible expense to them sales of stock are immediately turned into the treasury for development purposes. There are no salaried officers, the only persons who receive pay are the field superintendent and the men engaged in drilling wells. No other company in California offers more flattering prospects to investors, or is hedged about with more solid quantities of reliability and capacity for successful development. The most eulogistic articles concerning the company appear frequently in the daily Press.

Pacific Coast Underwriting Company.

E. D. Cooley, Pres; J. E. Firmstone, Vice-Pres; W. B. Burrows, Sect'y; J. C. Currier, Treas; Guy C. Calden, Attorney.

Main Office—507-508-509 Parrott Building, San Francisco, Cal. Cable address, "Firmstone."

Branch offices: Los Angeles, Cal., 334 Wilcox Building; W. B. Burrows, Manager. London, Eng., Chas. F. Pierce, Manager. Portland, Or.; Seattle, Wash.; Tacoma, Wash.; Vancouver, B. C.; Boise, Idaho; L. L. Dillman, Manager, Seattle, Wash.

Bond furnished to guarantee the par value of stocks. Companies incorporated under the laws of any state or territory desired.

25,000 ACRES OIL LANDS.

Lands furnished for new incorporations—lease, royalty or cash.

Mining properties wanted. If you have any legitimate business proposition, call or address us. Information cheerfully given.

In Sunset.

The Kern Consolidated Oil company, recently organized, will soon be operating in sections 32 and 28, in the Sunset district of Kern county. The gentlemen connected with this company are some of the most energetic operators now in the oil fields. They expect to have their machinery on the ground very shortly and development work will proceed without delay. Their land is some of the best oil land in the Sunset district, and within a few months the company will be numbered among our heaviest producers.

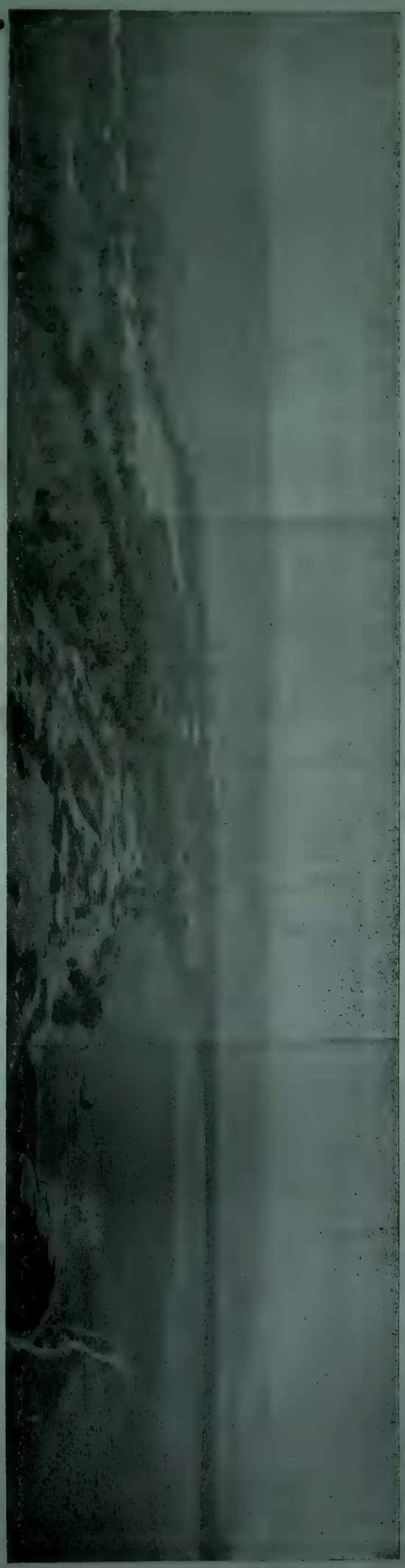
Oil Land For Sale

100 acres in the Temblor portion of McKittrick district, near Climax Wells; also 20 acres in Kern River district.

Proven territory. Title to both pieces of land perfect and patented. Call personally (no agents) on

A. G. DEARDORFF

Room 412 Parrott Building, San Francisco. Tel. Bush 1311.



A Panoramic View of the Kern River Field From the South Side of River.

THE GRAND PACIFIC.

Before many weeks Contra Costa County will be recognized as one of the best of the oil-producing counties in California. Already half a dozen drills are pounding their way down to the oil sands which the best experts believe underlie a large portion of this rich Bay County.

Of the different companies operating in Contra Costa the Grand Pacific ranks among the foremost, not merely on account of the personnel of its officers but also on account of the fact that it controls a vast area of rich oil land. Its initial well is now being drilled as rapidly as two shifts of experienced drillers can operate the machinery, which is pronounced by competent judges to be first class in every respect, not only on account of its strength, but also on account of the fact that the very latest discoveries in oil-well drilling tools have been incorporated in the rig and in the drilling tools. The well is now down about 400 feet and the indications are extremely favorable for an early strike of oil. There is an abundance of gas and already several strong seepages of oil have been encountered. The drill has passed through formations of shale, blue clay and other formations which are extremely satisfactory to the officers of the Grand Pacific Company, as they are indicative of the presence of crude petroleum at reasonable depth.

The company is a strong one, composed of some of the foremost citizens of the State. Its president is the well known Dr. A. G. Deardorff, vice-president; J. M. Merrell, the wealthy Montana mine owner; John Choice, secretary; Attorney F. A. Berlin. Directors: J. C. Sala, the well known San Francisco banker; Dr. R. L. Rigdon; Dr. J. A. Miller; T. E. Pollock, President of the Arizona Central Bank of Flagstaff, Arizona; E. H. Baxter; Wells Fargo Bank is the depository; Franklin Person, Superintendent of agencies.

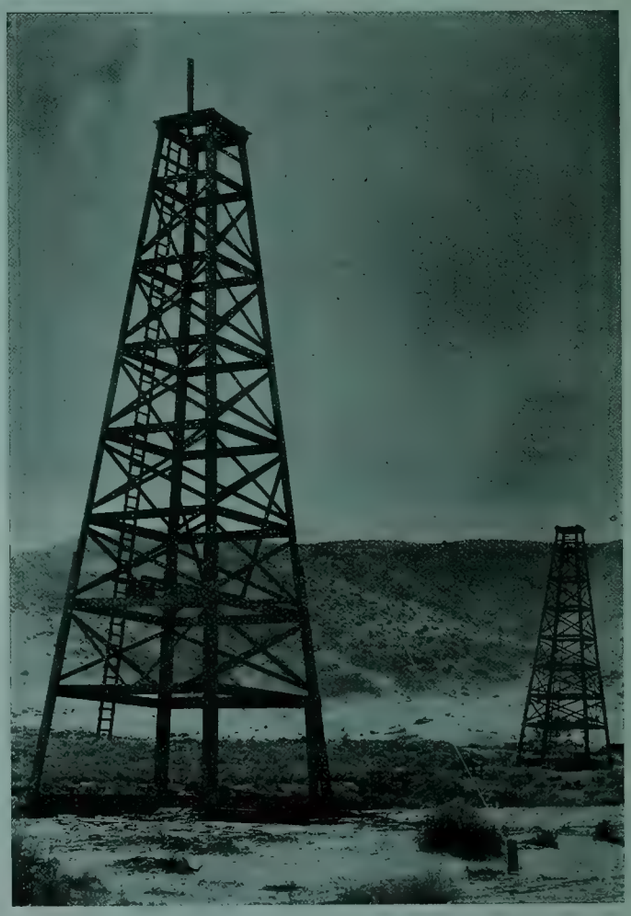
The stock is non-assessable and the 600,000 shares in the treasury as a working capital will enable the company to sink any number of wells in the five districts in which its holdings lie. A limited quantity of this stock is now being offered at $1.00 per share. There is every prospect that the Grand Pacific will in the near future be one of the great and wealthy oil companies of the State, with its stock quoted at many dollars per share, and presenting another striking illustration of the remarkable financial possibilities and rewards of the California oil fields. The main offices of the company are in rooms 412, 413, 414 Parrott Building, 825 Market St, San Francisco.

The Bachelors.

The Bachelor's Oil company is a strong corporation, organized on lines that must insure unqualified success. The company's assets are as follows: 640 acres in the Poso oil belt, section 8, 27-28, M. D. B. and M.; 480 acres of section 20, 27-28, same base and meridian; 20 acres in section 26, 28 27; and 320 acres in section 22, 11-24, S. B. B. and M.—in all 1460 acres of choice oil lands. The corporation has no indebtedness, and is prohibited by its by-laws from incurring indebtedness in excess of five per cent. of its capital stock. There are no salaried officers. The secretary and superintendent, each holding considerable stock, give their services to the company until it is on a paying basis.

It should be stated that the Bachelor's lands lie—besides those in the district—in the Kern River and Sunset districts. The company now has a well nearly completed in the famous Sunset district, in which the average yield per well is 150 barrels, some of them running from 300 to 900 barrels per day. The company will soon have in operation a rig on its Kern River property. The driller undertakes to complete this well within 100 days under a substantial forfeiture. He also takes a block of stock, in preference to cash, for his services, he being so confident that oil will be found in paying quantities. The company is capitalized for $200,000, in shares at $1 each.

View of a portion of the Los Angeles Field.



Derrick of the Stockton Sunset Oil Co. SW¼ of section 15, [Aston] Photo.

Humboldt County.

The only producing oil field in the State north of San Francisco is west of the Eel River in Humboldt County, in the valley of the Mattole River and its tributaries extending from the Coast about twenty miles inland. There are about eight rigs operating in this section. The most remarkable well is the Mackintosh well, which is 1300 feet deep and has passed two oil-bearing strata, one at 700 feet and the other 1000. Though not pumped at the present time, it is rated as a twelve or fifteen barrel well. The oil has a paraffine base, is of a light green color and 39B gravity, the lightest oil in California except the Placerita oil. Other operators in Humboldt are the Wild Goose, 300 feet; and the Humboldt 400; the Mattole, in which Baker & Hamilton are interested; the Craig well, 800 feet deep and the Reed Oil Company's well.

Well of Reed Oil Company, Humboldt County.

In the case of the Kern River Oil Co., vs C. W. Clark, Commissioner Herman has rendered a decision invalidating the claims of the scrippers, and the case will now be appealed to the Secretary of the Interior. Clark claimed the land in question as agricultural land, locating it under the Forest Reserve lien land law, but the Commissioner holds that these lands are still open to location under the mining laws, and if they can be shown to be mineral, it defeats the selections.

Beginning of Drilling Operations in the Sunset Field, Kern County.

HOME WELLS DECREASE.

MARKED DROP IN PRICE OF THIS COMPANY'S STOCK.

A great deal of attention has been directed this week to the Home Oil company on account of the extensive sales of stock of this company which has been made on the Producers' Oil Exchange.

On Tuesday over 7,000 shares were sold at a price averaging $4.05 per share, which was a decrease of fro thirty to forty cents over the price of this stock the day before.

Inquiry as to the reason why so much of this stock should be offered for sale at such a decreased price elicited the fact that the primary reason was due to the decidedly decreased output in oil of the company.

One of the officers of the Home Oil company states that the output of the Home Oil company has decreased to the surprising amount of over 900 barrels per week. Well No. 5, which for a long time has been a gusher and yielding 700 barrels per day suddenly stopped flowing altogether and not only stopped flowing but the supply of oil in the well had decreased to such an extent that even the pumps failed to bring up but a very small amount of oil per day.

Wells No. 6 and 7, which are now being drilled and from which so much has been expected, will amount to practically nothing as producers as they have been drilled to a great depth, have yielded little or no gas and apparently will produce hardly enough oil to warrant their being pumped.

As a consequence of the decreased production of the Home Oil company and the discouraging outlook, some of the heaviest tockholders, such as Mr. G. W. Terrill and Mr. Belden, have disposed of large blocks of stock. The buyer of the stock is supposed to be R. V. Ellis, representing a syndicate who are endeavoring to secure a majority of the stock for speculative purposes. The Hearst estate is supposed to be represented in this syndicate.

Fresno-San Benito.

One of the best companies operating in the Fresno-San Benito district is the San Jose Petroleum company, which has offices at 85 South First street, San Jose, California. This company has 800 acres of land, pays no royalties, is a member of the California Petroleum Miners' Association and is managed by men who are well known and successful business men of Santa Clara county. The company is pushing matters most energetically and will commence active development work in the way of drilling their first well immediately after New Year's.

The Oriental.

The many friends of and the stockholders in the Oriental Oil company will be glad to know that on Tuesday morning a telegram was received that the drillers had struck oil at a depth of 680 feet on well 1, which is being drilled in 30, 32-24 in the Midway district of Kern county, so called because the district lies midway between the Sunset and the McKittrick oil districts. The nearest producing well to the Oriental is the Monarch, which is about two miles distant.

The Mexican Oil Field.

A party of Los Angeles oil men, including C. A. Canfield, E. E. Doheny, A. P. McGinnis and Joe Chanslor, directors of the Mexico Oil company have come back from Mexico where they have been spending a month in looking over the territory recently acquired. The gentlemen are well pleased with the prospects of developing an extensive oil field in Mexico. Several samples of oil brought back by the party were very similar to the California product. A sample was also brought back of a Mexican white oil which resembles the Newhall white oil, and is probably formed in the same manner There are hundreds of acres of ground controlled by the company covered with asphalt, which spread over the surface. It is expected that development work will begin soon and be carried on vigorously.

The purchasers of the Canfield & Chanslor property at Coalinga are said to be an English syndicate for which it is stated Balfour, Guthrie & Company of San Francisco, are acting as disbursing agents. Two hundred thousand dollars has already been paid on the purchase price and a remainder of $1,650,000 is to be paid early in January.

Normal Oil Co'y

Organized Under Laws of Arizona

STOCK ABSOLUTELY NON-ASSESSABLE

We Start With

720 Acres of Land

$3250.00 in Cash

—AND—

Our First Rig Bought!!

FACTS WORTH CONSIDERING

Sure of Oil

300,000 Shares in Treasury——50,000 Shares All We Sell

PRICE, 15 CENTS PER SHARE

Our Company will be as near a close corporation as possible; therefore will sell only a small amount of our treasury stock. We put it at the price to sell quickly, and price is subject to raise at any time. Our land is situated in the **heart** of the **Oil Belt** of San Luis Obispo and Monterey Counties, and has been experted by State Mineralogist Cooper and other noted experts, and by them pronounced **absolutely sure of Oil.** Capital stock, 75^,000 shares; par value, $1.00.

J. L. GEARY, Jr., Secretary

Office: 363-364 Parrott Bldg., San Francisco, Cal.

California Fortune Oil Co.

Incorporated under the laws of Arizona, November 7, 1900

CAPITAL, $500,000. 500,000 Shares, par value $1.00 each.

Stock Non Assessable. **Location, Section 34, 12-24, Sunset Distric .**

80 Acres in McKittrick and 320 acres in Coalinga Districts.

Our Derrick is Now Completed in Sunset

Drilling will commence in a few days, and rushed as rapidly as possible. Our Sunset property is surrounded by flowing wells, and the Monarch and Occidental wells (largest in the district) are on the same anticline. In the adjoining section the big well of the Golden Gate Oil Company is within one hundred yards of us. The Jewett-Blodgett & Beal well adjoins our section on the east.

Splendid Opportunity For Investment.

Only ten thousand shares offered at twenty-five cents.

Our land is in the proven oil district and there is no doubt but that we shall strike oil.

OFFICERS AND DIRECTORS.

A. R. Wooster.....presiden
Judge Fritz.....1st vice-president
R. A. Coleman.....2nd vice-president
E. Denicke.....secretary

Wm. M. Madden.....attorney
W. C. Carpenter.....secretary Monarch of Arizona
A. McDonald R. L. Atkins
Crocker-Woolworth Bank.....Depository

Office, 529 Parrot Building San Francisco, Cal.,

We will be glad to furnish prospectus and map on application.

BOOTHE

MANUFACTURING & SUPPLY CO

126-128 South Los Angelee street
LOS ANGELES, CAL.

Steam and Gasoline Engines, Boilers, Pumps, Air Compressors.

OIL WELL MACHINERY Drills, Tools and Supplies of Every Description

Mining and Milling Machinery, Belting, Pulleys, Shafting, Engineer's Supplies.

FOR SALE

AT McKITTRICK

1 Standard Well-boring Outfit in First-class Condition

Also 1300 Feet of Casing

Apply Room 5, 8th Floor

Mills Building

Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns.

Small capitalization. Economical management.

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,
399A Parrott Bldg, San Francisco

OIL LANDS

For sale in 10 and 20 acre tracts in developed territory

SUNSET—KERN—McKITTRICK—COALINGA

If you are looking for developed territory, we have some desirable locations.

WM. D. MACKAY & CO.,

1302 Claus Spreckels Bldg., San Francisco

SUBMARINE OIL MINING.

A Unique Field of the World at Summerland, By the Sea.

One of the unique features of California's oil industry is the Summerland field on the ocean shore of Santa Barbara county, a few miles from the city of Santa Barbara. The site of the field and town of Summerland is the steep slope from the top of a range of hills to the shore. This is the only place in the world where oil wells are sunk through the ocean and its bed to oil sands below.

In this range is the core of an anticline, the top of which has been eroded away. The strata containing interstratified oil sands dip away to each side, but on the north or landward side the petroleum has been ejected from the outcropping sandstones by hydrostatic pressure. On the seaward side of the slope the strata dip at about forty-five degrees toward and under the ocean and the sandstones have retained their stores of oil. The sandstones outcrop near the top of the hills, and there a few slight oil indications were observed for many years, including emanations of natural gas. Twenty-one years ago Eugene Knapp of Carpenteria sank a water well, found oil and quit disgusted.

The development of the field began in 1895. The first wells were drilled near the top of the slope, reaching the oil sands far above the sea, and were successful. Derricks rapidly multiplied and gradually crowded downward to the shore. In 1896 Prof. W. L. Watts of the State Mining Bureau advised that the oil sands would be found extending out over the ocean and his prediction was soon proved. The first well was drilled on the beach and was successful. In 1897 the first wharf was extended out into the water across the tide line and revealed two oil sands.

Wharves multiplied and were extended further out over the gently shelving bed of the ocean which was thus favorable to this method of submarine oil mining. Now there are fifteen wharves running from 250 to 1250 feet out over the ocean waters, which here in a cove of the tranquil Santa Barbara channel are always gentle to the oil miners. This submarine territory is now the most important part of the Summerland field. There are three oil sands and they thicken with distance from the shore. There are no dry or non-productive wells. The wells range in depth from the wharves from 125 to 800 feet and produce from two to sixty barrels per day of a heavy fuel oil of twelve to sixteen degrees gravity. There are now about 325 producing wells. The output in 1899 was 208,000 barrels and this is about the present rate of production. Most of the output goes to the Oxnard sugar refinery, under long-term contracts with producers.

In drilling under the ocean, a casing larger than the well casing and called a conductor is forced down into the bed-rock of clay and shale to keep out the sea water and the well casing is put down through this conductor. The conditions in this field make the cost of wells comparatively low, the cost of production being estimated at from twenty-five to thirty cents per barrel. One natural advantage here is the availability of water transportation though commercial conditions have not yet allowed its use. In November twelve rigs were added to the field.

View of Part of the Oil Wharves Extending into the Ocean at Summerland.

VENTURA COUNTY.

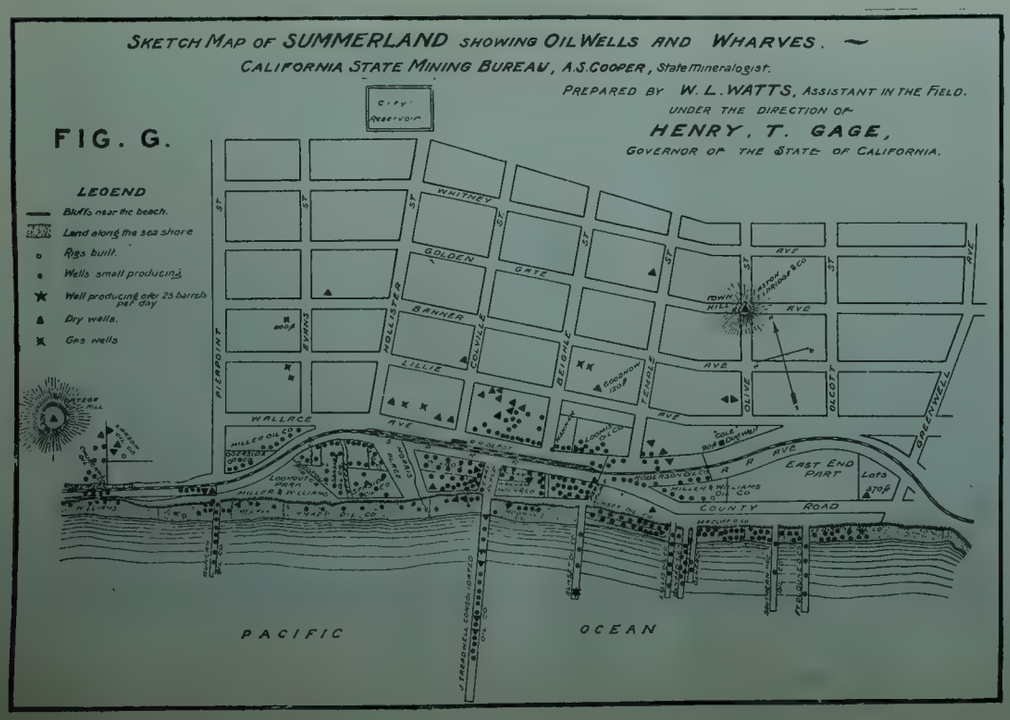
The California oil industry had its practical beginning in Ventura county and here are now some of the leading as well as the oldest fields in the state as well as some of the oil territories bearing great promises for the future.

The industry's boom has set prospecting and exploitation going all over this large mountainous county but the important producing fields are confined to the Adams, Santa Paula, Sespe, Torrey and Bardsdale canyons and their immediate neighborhoods. In a general way these fields lie in a line from the Newhall field of Los Angeles county west to Summerland in Santa Barbara county.

In this county the multitude of oil seepages and asphaltum beds drew the earliest attention of capital. In the Ojai valley on the slope of Sulphur Mountain are the largest oil seepages in the world, as described in another column. In the early 60's the exploitation of oil lands attending the first oil craze began here on a large scale but, as elsewhere, lack of knowledge, appliances etc., worked failure. In 1861 two small refineries produced 400 barrels.

No important strike was made until 1876. In 1883 Lyman Stewart and W. L. Hardison began operations in Santa Paula canyon and elsewhere and their successful wells were the real start of the industry in this county. Others acquired large interests and made important developments and later several of these interests were combined in the Union Oil Company which now controls most of the output of the county. There have been drilled 425 wells, 300 of these by the Union, and about 200 are now producing. The Pacific Coast Oil Company is the second largest producer. The deepest wells of the state, 2500 to 2800 feet, have been drilled in this county, and some of the wells have been great producers. One well drilled thirty years ago is still producing, being the oldest producer in the state.

The Ventura oils, as a rule are of high gravity



STOCK SALES A MILLION.

Great Record of the Producers' Oil Exchange in One Month.

The million dollar mark has been passed by the Producers' Oil Exchange.

The record kept by the OIL REPORTER since the affiliation of the two exchanges on the 20th of March, 1900, shows that the total amount of sales on the 12th of this month had reached $984,745.49, and the total of shares sold was 807,644. As the sales since that time averaged $11,000 to $12,000 per day, the total has long since been written in six figures.

Beginning with April, the average monthly sales on the exchange have amounted to 89,743 shares, amounting to $109,416.16. The daily average has been 3013.7 shares, value, $3674.45, or $1.21 per share.

The greatest amount of sales in any one month is recorded for November, which shows 269,680 shares, worth $278,919.41. Compared with the volume of business for April this showed a fourfold increase, or 459 per cent in exact figures. The poorest week was that ending July 27; the best was the last week reported in this paper, ending December 14.

This enormous increase in business is directly attributable to the increased confidence of the public in the methods of the exchange and in the legitimate future of the industry. Since the Home Oil company has been listed on the Exchange, paying its regular monthly dividends, 2 per cent, investors have seen clearly the possibilities of oil stock, and there has been a gradual increase of clientele, particularly among persons of moderate means, whose employment will not permit following lines of investment requiring constant personal supervision.

Besides the Home there are nine other companies on the list which are dividend-paying, the Kern having paid nearly $325,000 for this purpose, and nearly all the companies which are on the Exchange have a showing of oil, this being a requirement for admission.

The increase of business is very significant, and a deserved tribute to the energy and perseverance of the members, who have persisted in the face of determined opposition and established the enterprise to a permanent and substantial basis.

Nine Months of the Producers' Exchange.

	WEEKLY TOTALS		MONTHLY TOTALS	
	Shares	Amount	Shares	Amount
March 23	1860	$ 2,125.25	10,191	$14,727.00
" 30	8331	12,601.75		
April 6	6365	6,654.25		
" 13	8810	15,639.50	30,258	49,901.33
" 20	9650	16,468.25		
" 27	5433	11,139.33		
May 4	5285	21,438.05		
" 11	2022	7,796.60	17,172	52,079.90
" 18	3330	6,737.50		
" 25	6535	16,107.75		
June 1	4106	11,327.72		
" 8	4801	14,408.58		
" 15	2605	13,811.75	14,912	65,798.05
" 22	3810	16,012.75		
" 29	3690	10,237.25		
July 6	2137	6,376.93		
" 13	4485	8,525.50	24,267	23,675.93
" 20	10,490	6,303.00		
" 27	7155	2,470.50		
Aug. 3	3540	3.893,62		
" 10	7245	10,341.00		
" 17	8355	6,053.00	38,510	53,662.62
" 24	5550	16,472 50		
" 31	13,820	16,902.50		
Sept. 7	22,794	29,013.10		
" 14	12,585	26,799.97	80,640	136,820.12
" 21	15,026	37,612.25		
" 28	30,235	43,394.80		
Oct. 5	16,255	31,256.80		
" 12	17,075	38,024.26	95,048	177,943.13
" 19	29,475	46,787.77		
" 26	32,273	61,874.30		
Nov. 2	44,198	54,811.00		
" 9	34,502	55,846.70		
" 16	33,200	49,761.62	269,680	278 919.41
" 23	96,740	73,200.74		
" 30	61,040	45,299.35		
Dec. 7	105,196	61,538.49	226,966	131,218.00
" 14	121,770	69,679.51		
Total for nine months			807,644	$984,745.49

The Well of the Humboldt Oil Company, in the Mathole District, amid the R c woods of Humboldt County.

IN CONTRA COSTA.

Much Development Work Being Done Near the Bay.

Unless the oil experts are all mistaken in their expectations, Contra Costa county will soon be ranking as one of the leading oil-producing counties of California.

The Tidewater oil syndicate are now down over 700 feet in the well which is being drilled on land leased from them by the wealthy syndicate of which J. Downey Harvey is the lead.

The Contra Costa company is down about 400 feet in their first well. A view of the rig is shown on this page. The indications for oil are exceedingly good.

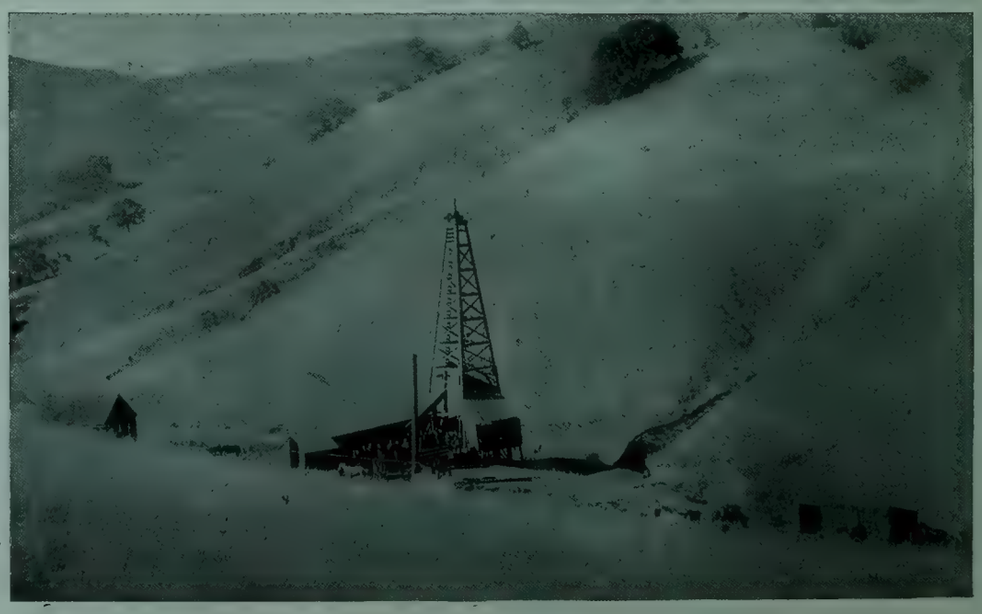
The Mt. Diablo company with which President G. W. Terrill, of the Producers' Oil Exchange, is connected, expects to strike oil within the next forty days.

The Pt. Richmond Oil company of which Henry B. Russ is president, will soon be drilling, while the Santa Fe company expects to have some good wells near Pinole.

The Sobrante is the name of another company which expects soon to have a drill dropping in Contra Costa county.

The oil land lies near the bay, thus making cheap transportation one of the featares of the oil industry in this county.

On section 30, 31-23 the Transfer has its rig up and will soon be drilling.



Well No. 1 of the Contra Costa Oil Company.

CALIFORNIA PIPE LINES.

A Good Start in this Solution of the Oil Transportation Problem.

The oil pipe lines of California, aggregate, in mileage, about 200 miles, but they do not yet make any approach to being the extensive and important feature of the oil industry that pipe lines do in the leading eastern petroleum-producing states, where vast capital has been invested in them, especially by the Standard Oil Company, and where they are so great a factor in the economy of marketing the product.

The pipe lines now in operation in this state practically all belong to oil companies which use them in transporting to sea, rail or refinery the product of their own wells. They have not been laid and operated by commercial corporations engaged in buying and handling the output of oil fields or as public transportation enterprises.

That pipe lines are not here in operation on a larger scale is due in a general way to the early stage of the revivified industry. The expansion of the industry will without question greatly multiply these economical facilities for transportation, as it has, within the current year, brought about so great an increase of immediately needed and more easily established storage facilities in the regions of both production and consumption.

In this state the distances over which oil must be transported to markets are generally long, and railroad freights are an enormous tax, both absolutely and per mile. The great market for California fuel oils is and will remain San Francisco and the bay region To this market practically all of the Kern, Coalinga and other San Joaquin Valley fields is now transported by rail, in tank cars. This costs about 45 cents per barrel from the Kern and Coalinga fields, and from McKittrick, Sunset and other fields away from the railroad the cost of wagon haul must be added. From the most favorably situated wells, this tax is thus about fifty per cent of the commercial value of the product. From Los Angeles to San Francisco the rail rate is over 50 cents per barrel. Industries elsewhere in the state, including even mining plants in the Sierra Nevada mountains, are adopting oil for fuel but here again the transportation rates, higher than to the bay, retard the adoption of this fuel and the consequent expansion of the market. A strong effort to induce the railroad companies to concede lower rates has been begun through the California Petroleum Miners' Association and other forces.

Pipe lines must come as an aid to the industry in the field of transportation. One difficulty with the pipe line transportation of oil for long distances from some important fields results from the heavy gravity of the oil, which makes piping difficult and impossible for great distances. This is especially the case with the Kern river, Sunset and McKittrick fields where the oil is very heavy. The production of the Kern river field is already at the rate of over 1,000,000 barrels a year and this means an annual cost of $500,000 for transportation. A trunk pipe line from the head of the San Joaquin Valley down the valley to tide water at Stockton, which would gather for transportation the entire output of the valley fields, would be the economical solution of the difficulty were it not for the gravity of the oil. Short pipe lines from wells to the spur railroads in the Kern river field have been established and such lines will be laid in time in the fields on the eastern side of the valley.

In the developed fields about the southern coast region, with the exception of the Los Angeles field, the oils are generally of a light gravity, the altitudes of the producing fields are favorable, the industry has been longest established and here the majority of the pipe lines of the state are found, leading to refineries and to the sea coast where water transportation comes into play. In the following recapitulatton of the leading pipe lines of the state the authority mainly followed is W. L. Watts.

The Union Oil company leads in pipe lines. In Ventura county it has established about 100 miles connecting its many wells with its storage tanks, its refinery at Santa Paula and with a four-inch trunk line 25 miles long running to the seashore at the mouth of Sespe river, where the product is shipped to San Francisco bay. In the Los Angeles field this company has four miles of local pipe lines with a capacity of 800 barrels in twenty-four hours, carrying oil of about fourteen degrees gravity under a pressure of 600 pounds. In Orange county the company has a line twenty-six miles long from the Fullerton field to Bixby carrying 2,000 barrels per twenty-four hours, of oil of twenty-one degrees under a head of 450 feet.

The Pacific Coast Oil Company has a 44 mile line of 2 and 3-inch pipe from Pico canyon to the sea at Ventura delivering 600 barrels of 41-degree oil per 24 hours under a head of 1900 feet. The highest undulation is 200 feet. This company also has a 7-mile line to Newhall, 2 inches in diameter, with a capacity of 700 barrels.

In Santa Barbara county the Alcatraz Asphalt Company has a three inch pipe line from its asphalt mines in the Sisquoc region to its refinery on the coast operating under a head of 1900 feet and with one undulation 1000 feet high. This is for the transportation of asphalt and it is accomplished by dissolving the asphalt in a light distillate at the mine, transporting the asphalt in this liquid form and then separating from it at the refinery the distillate which is pumped back to the mine to be used again the same way.

In Ventura county the Modelo Oil Company has a two-inch line running three miles from its [illegible] to the railroad at Piru with a head of 800 feet, carrying 28 degree oil.

The line of the Central Oil Company runs five miles from its wells to the Santa Fe railroad at Los Nietos. The four-inch pipe can carry 1500 barrels.

The Puente Oil Company has 15 miles of 5-inch pipe line from its wells in the Puente Hills to its refinery at Chino, carrying 1500 barrels per 24 hours under a head o 700 feet.

The line of the Sunset Oil Company runs five miles from the wells in Hopper canyon, Ventura county, to Buckhorn station. The pipe is a 2-inch one, the head 500 feet and the average gravity of the oil 12 degrees.

Drilling Scene at one of the San Joaquin Oil Company, Kern River Field. Two newly-made millionaires are in the group

North of Tehachapi the chief pipe line is the one from the Oil City field to Coalinga, 8½ miles long. It is a 3-inch pipe, capable of carrying 3000 barrels per 24 hours, the pressure head being 600 feet and the average gravity of the oil 33 degrees.

The mild and often hot temperature of California oil fields is an assistance, as a rule, to piping oil, but in the Coalinga field the high temperature of summer proved a drawback. As the pipe line follows the surface of the ground, there are many undulations and in hot weather gas, developed from the oil by the heat, collected in the pipe at the highest points, retarding the oil flow greatly. The pipe was covered with earth, lessening the trouble

Additional pipe lines run short distances in various fields, bu these are the main ones of the state at the present time.

WONDROUS KERN RIVER.

California's Greatest Oil Field and Its Valley Foothill Neighbors of the Coast Range.

The Kern river oil field, now the preeminent one of the state, is the wonder of California's oil industry and one of the remarkable oil fields of the world.

It is only fifteen months since the first or "discovery" well was drilled, yet today its 300 productive wells are yielding in excess of a million barrels a year and have given a demonstration of the existence of over a billion, and probably two billion, barrels of oil in the sands beneath less than fifteen square miles of territory. They afford also promise of the discovery of vast additional stores, both at greater depth and in territory beyond the present early limits of the producing field.

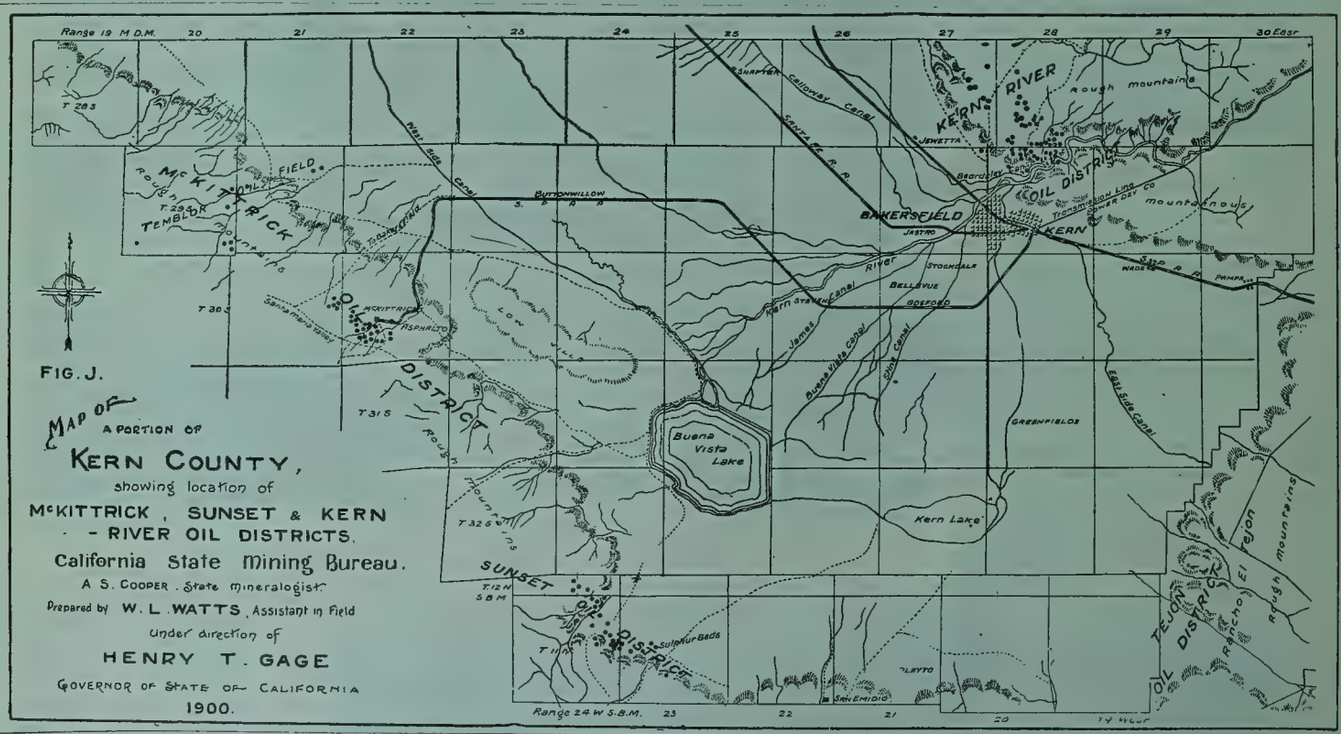
The development of this field has directly added enormously to the wealth of the state, has greatly stimulated the development of other fields and has given new activity and vast promise to the industrial life of the state. It has been the leading factor in the recent raising of the oil industry of the state to the leading place it now occupies.

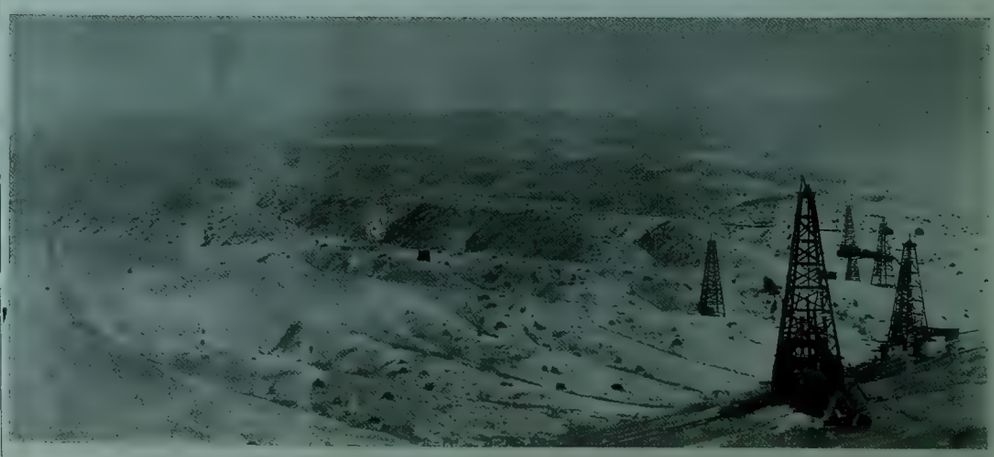
The Kern river field occupies a small portion of the floor of the upper or southern end of the great San Joaquin valley 300 miles long, where the Sierra Nevada and Coast ranges coalesce. It is about five miles north east of Bakersfield, the chief city of this part of the valley. The foothills of the Sierra Nevadas lie just to the east, out of them tumbling the Kern river, which bounds the field on the south. Across the valley forty miles or so, in the foothills of the Coast Range, are the Sunset and McKittrick oil districts. Erosion has much roughened the surface with hills and ravines, the latter occasionally revealing the bed rock below the deep deposit of alluvium. To the eye the field is an arid waste, displaying little vegetation but sage brush, and being so worthless for agriculture or stock raising, in the absence of irrigation, that it had nearly all remained unoccupied public and railroad land which nobody wanted until oil was struck.

It is peculiar among California oil fields in that it is the only one in the state in which the oil-bearing strata approach the horizontal instead of dipping steeply down the sides of anticlinal folds. Geologically it consists of alternating beds of soft sandstones, clay formations and a little shale, in most cases deeply covered by detritus. These strata are of a comparatively recent geological age and were laid under the sea when but portions of the coast range had yet been uplifted above the ocean, so much folding and contorting the sandstones which there yield oil. There was but a slight subsequent uplifting of the Sierra Nevadas and so these strata remain unbroken and incline to the southwest at an angle of about ten degrees. It is not known how deep these alternating sand strata lie below the lowest point yet reached by a drill—about 1200 feet.

The upper bitumenized sandstones rise to the surface and outcrop for a mile and a half along the Kern river to the east of the field, on which side the productive sands are reached at about 450 feet. Here slight oil seepages were noted for a generation and finally led to the discovery. Thomas A. Means and Captan Thomas Barker live on ranches by the river in the neighborhood of these seepages and for many years they were interested in the possibilities of oil, especially Mr. Means, who believed also in natural gas below him, and his often expressed belief made him locally known as "Gassy" Means, He tried for many years to enlist California and eastern capitalists, oil experts and geologists in the oil possibilities of his ranch and through the years a number of leading experts and oil men investigated and abandoned the proposition. In 1893 John A. Bunting, who became one of the "Coal Oil Johnnies" of the field after discovery, and E. E. Elliott, leased 160 acres from Means but did nothing. In March 1899 an expert reported against the proposition for the Tevis estate.

It took a couple of poor woodchoppers wholly ignorant of oil to find this store of wealth. They didn't know enough to let it alone. The mining world is rich in such luck stories. Johnathan Ellwood 70 years old, and his son J. M. Ellwood were earning a living cutting wood along the river and hauling it to Bakersfield. In April 1899, a few days after the last unfavorable report, Mr. Means put oil in





The Outskirts of the Kern River Field, Showing the General Topography of the Region.

the Ellwood heads and induced them to risk a little time on eighty acres he leased them. Being without capital they dug a well with the aid of a rude windlass, living in a wagon by the river and at forty-three feet struck oil sand and a small flow of oil. With an augur they went to sixty feet and found a little better flow. This was in June. They had "struck oil" and that desolate waste could no longer hide its wondrous wealth. The Ellwoods got Milton McWhorter to drill a well for partnership interest. He began a "discovery" well in July on section 3-28-28, and in September had completed it at 350 feet, the yield being about fifty barrels a day.

This at once drew attention to the field and soon a second well struck oil. Several rigs started that fall and during the winter and spring there was a great "rush" and an "oil-craze" over Kern river where each well magnified the riches of the field. The early rushers filed claims on public land, bought railroad land and bought or leased private holdings for miles around. The oil-land locators were at once opposed by "scrippers" who claimed the same lands as agricultural by the use of forest reserve lieu land rights. The resulting tangle of contests came to involve titles to millions of dollars worth of property and resulted in the now famous "scrip" controversy still pending in the United States Courts and Land Department.

The Southern Pacific early sold lands now worth many millions for $2.50 an acre, one-fifth, or fifty cents per acre down. In June and July two men bought three sections, now worth $5,000,000 for $4,800, paying $1,227 down. Others were as lucky. Sections of public land, now worth $2,000,000 to $4,000,000 were located at the cost of a song.

So rapid were developments that in August last there were 176 producing wells and 112 rigs were drilling. In November last sixty new wells were completed and now there are over 300 producing wells. Ea ly developments were attended by many difficulties. Teaming from Bakersfield was expensive. Water had to be hauled from Kern river. The rush overcrowded the resources of Bakersfield, which became and remains a very lively oil town. The sudden great demand made supplies, machinery, drillers, etc scarce. Lack of storage and the cost of hauling to Bakersfield for a long time prevented the disposition of more than a fraction of the possible product of completed wells.

These difficulties have now been greatly remedied. The Southern Pacific has built a branch railroad with spurs aggregating fifteen miles and a town site has been laid out. Storage tanks already have a capacity of 200,000 barrels and tanks holding more than double this amount are being built. Many water wells to the first sand have been completed and a mountain water supply is arranged for. The whole field has been a scene of remarkable enterprise, energy and progress and every feature has undergone a wonderful transformation; yet the present is but a promise of the vastly greater future.

The oil is of heavy gravity ranging from fourteen to seventeen degrees Baume the lighter oil coming from the deeper sands to the west. It will remain mainly a fuel oil, though comparatively extensive refineries will undoubtedly soon be established at Bakersfield. But it is as a fuel oil that it will be of the greatest value to California and the industries of the state will consume the product of whatever magnitude. The oil sands are loose and one difficulty arises from the sand filling the wells at first and coming up with the oil. The practice is to let the sand settle in sump holes or tanks and in some cases the oil is run from the well through sluices 100 to 300 feet long, fitted with high riffles behind which much of the sand settles.

The productive sands range in aggregate thickness from twenty feet on the east to 400 feet in the west and the average for the whole field is probably about 200 feet. The developed area is of irregular shape, about six miles long by nearly three miles wide and is generally estimated at about fifteen square miles. All about the borders of this producing area, prospect wells have been, and still are being drilled, but yet unsuccessfully. The oil yielding strata probably undulate more or less, and it is more than possible that deeper wells will reveal productive strata outside the present productive area as well as below it. The geological indications point to productive territory south of the Kern river especially. The depth of the wells varies from 350 feet in the eastern part of the field to 1200 in the western portion, where the sands lie lower.

Several speculative estimates of the oil content of the developed field have been made by good authorities. State Mineralogist Cooper early estimated it at 1,000,000,000 barrels on the assumption that the productive sands averaged 100 feet in thickness and were saturated to the extent of ten per cent. Other authorities place the average thickness of sands at 200 feet and the saturation at fifteen per cent, making the estimate exceed 2,000,000,000 barrels. Were the oil in the field in one lake it would cover the area of the field to a depth of from forty to sixty feet. Not all of this heavy oil will yield itself to pumping, but any conservative estimate of the practicable yield of this one developed area would amount to hundreds of millions of barrels or more than the total petroleum output of the United States since the industry began in 1859. Extensions of the field laterally and at depth will undoubtedly greatly increase the store "in sight." This brief statement amply justifies the adjective "wonderful" in connection with this field. It has no rival this side of the Caspian region.

There is yet much lack of accurate information about the product, etc., of the field, and many vague and exaggerated statements arn current. The best informatioe

Wells and Tanks in Kern River District. Photo. by Aston

The Kern River Field, Showing the River and Foothills in the Background. Photo. by Aston,

shows that the yields of the wells vary from twenty to 200 barrels per day. A number of wells are reported to have yielded as high as 500 barrels at first. It is probable that the 300 producing wells have an average capacity of 50 barrels per day, or a total diurnal capacity of 15,000 barrels. This would be 5,475,000 barrels per year, for the existing wells. The wells are rapidly multiply, as the showing of 55 new producing wells completed in November shows. A few wells have flowed at first, but pumping is the rule. In some wells the oil is so heavy that it is heated by steaming before pumping.

The number and great aggregate thickness of the oil sands, their high degree of saturation and the gravity of the oil which makes the drainage of the sands by pumping comparatively slow, all combine to insure a long term of life to the wells of this field.

There are many factors which appear to make this oil field one of the safest as well as one of the most promising opportunities for the conservative and legitimate investment of capital. The prices at which these developed oil lands are occasionally sold or bid for—$3000 to $5000 per acre—appear to be but a fraction of their legitimate value.

The proof of the remarkable resources of this field some time ago placed it beyond the pale of speculation and within the pale of legitimate investment inviting to large and conservative capital. People who eighteen months ago would not have thrown away a hundred dollars on the field, have within six months invested many thousands. Many companies have bought or leased portions of the large holdings of others and proceeded with development with an absolute certainty of what they are putting their money into. Leases in the proven territory now command the phenomanal royalies of from 33⅓ to 50 per cent and many prefer to pay these royalties rather than to mak speculative investments in un proven fields. The cost of wells ranges from $2500 to $4000.

Excavation in a Surface Asphalt Deposit, McKittrick District, showing accumulation of Oil.

Present prices of oil to producers vary from 65 cents to $1 per barrel, the average being about 90 cents. A number of producers some months ago made long-term contracts at $1 per barrel. A short time ago one company contracted to supply 250,000 barrels for 65 cents at the wells, the lowest recorded price. The large yield and the cheapness of production afford a good profit at this price.

The largest consumers of the product of this field are the Santa Fe and Southern Pacific railroad companies. The former now uses oil fuel on all its locomotives on its San Joaquin valley division as well as in Southern California. The Southern Pacific used it on forty-four engines in this valley and is rapidly fitting its othet engines for this fuel. The rest of the output is shipped to large fuel consumers, mainly in San Francisco and about the bay region.

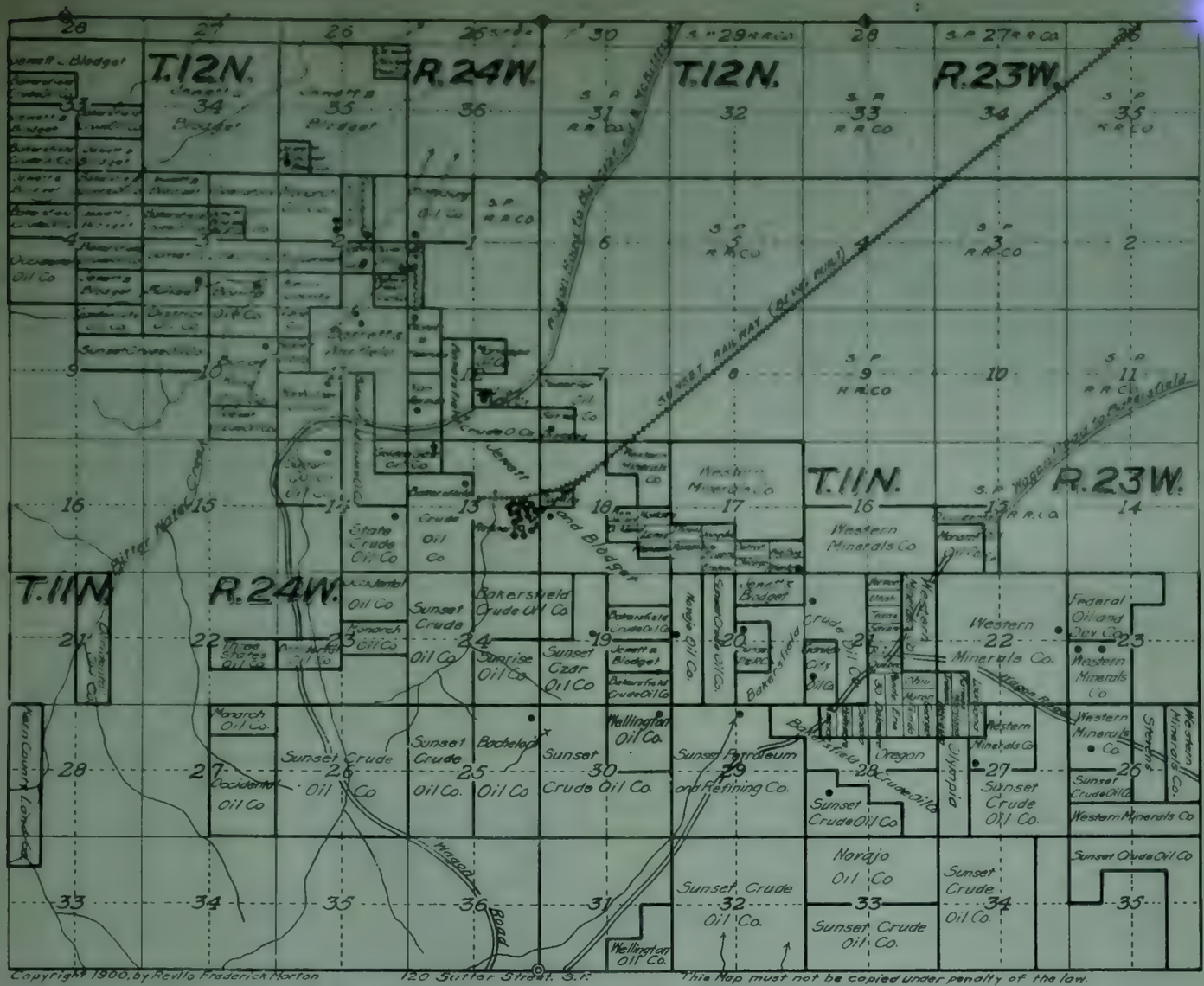
There has been considerable speculation about the possibility of the market taking care of the great output of the Kern River field as rapidly as the product is increased with the multiplication of wells and storage and transportation facilities, but the increase in consumption as the result of this assurance of a reliable supply of fuel oil is so rapid that no fears on this score are entertained by those with a clear knowledge of the conditions. One great factor in this situation is the Oil Producers' Association organized at Bakersfield by the leading producers for the purpose of controlling the output and market that commercial disaster may be avoided. This association now controls between seventy-five and eighty per cent of the output of the Kern River and McKittrick fields and will be able to prevent destruction, competition and a demoralization of prices.

A year hence this field will undoubtedlybe producing more petroleum than has been produced by the whole state in any former year.

A Group of Oil Wells in the Kern River Field 'Photo by Asto

Map of the Sunset District showing principal producing wells. Compiled by W. L. Watts, Expert of the State Mining Bureau.

The Sunset Field and its New Career.



Latest Map of the Sunset Field, Kern County

Compiled by R. F. Morton, San Francisco

The Sunset is another old and slightly developed California field which has leaped into prominence and became an important producer as the result of the stimulation to prospecting and exploitation afforded by the new oil boom.

It lies in the low foothills of the Tehachapi and Coast ranges at the very upper end of the San Joaquin valley about thirty miles southwest of Bakersfield. The name of the field vaguely designates a region comprising two oil lines several miles long running through these foothills northwesterly in a direct line with the McKittrick district about twenty-five miles away in that direction. The oil bearing formations dip steeply eastward toward and under the valley in the manner characteristic of the whole foothill region on the west side of this valley. Oil has been developed through a distance of about five miles and it is likely that the present widely distributed prospecting operations will develop oil all along this gap between the Sunset and McKittrick fields.

Though one of the oldest known oil fields of the state and the oldest producing field in Kern county it has been within a year only that ny considerable development has been accomplished or its real value indicated. The first successful production began in 1891 when Messrs. Jewett & Blodgett, bankers and landowners of Bakersfield, developed a few shallow wells and began a comparatively small business at refining which has continued ever since. The first refinery was at Bakersfield and then a larger one was built at the field. The field contains two oil lines, one yielding a light green oil and the other a dark heavy oil. These first shallow wells yielded little of the green oil and a heavy maltha carrying 50 per cent of asphaltum. The main product of the refinery was asphaltum. A good lubricating oil was also produced, and the business was fairly profitable in spite of the long haul to Bakersfield.

A Birds-Eye View of the Sunset Field in its early stage of Development.

When the oil boom came along in 1899 the Sunset field got its hare of the rush. Jewett & Blodgett increased their large holdings rushed in several drilling rigs and have since maintained active operations on a large scale. Much of the field had remained public land, being worthless for agriculture or pasturage, and many oil-land locations were made. Capitalists and new oil companies rapidly acquired holdings by purchase or lease and in the spring of 1899 a number of rigs were distributed along the field. Jewett & Blodgett struck paying wells in the south-eastern end of the field and then in July came the strike of a 100-barrel yield at 500 feet in the well of the Monarch Oil Company nearly four miles to the northwest. This proved the field for a good distance and greatly stimulaled operations.

Fifty companies are now located in the field and new wells steadily multiply. Jewett and Blodgett have twenty producing wells. In November eight new wells were completed in the district, four being failures and four producers. Development would have been more rapid had transportation not been so difficult and costly. Up to this time Jewett and Blodgett have taken the entire output of the fields for their refinery. A branch railroad will soon be built into the district and then the output can be shipped to outside markets.

Map of the McKittrick District showing the present holdings of active Oil Companies and the location of Wells.

McKITTRICK DISTRICT.

The McKittrick district is one of the oldest new districts of the state.

This district shares the odd history of many of the California oil fields, in that its oil indications were noted and a long series of unsuccessful efforts to develop its oil resources were made during the course of more than a generation before commercial success was attained.

The McKittrick oil field is a part of the narrow oil line running for two hundred miles or so along the irregular foothills of the eastern slope of the coast range on the western side of the Sau Joaquin Valley. This irregular oil-line is presented by the steeply upturned strata of bitumenized sandstones which help compose the eastern limbs of anticlinal folds made in the uplifting of the coast range.

The district lies about twenty-five miles northwest of the Sunset district and these districts may become connected by the development of a long line of producing territory between them. Prospecting wells now dot this long gap.

These outcroppings afford many seepages and large deposits of asphaltum. In 1866 the first asphalt and oil refinery was established here and other similar but mainly unsuccessful efforts at refining and boring for oil marked a long series of succeeding years. In the early '90s' a special effort of this kind resulted in the building of a branch railroad to "Asphalto." This series of enterprises was mainly directed to the great asphaltum deposits. A few wells were drilled, but all were shallow and none were in just the right place.

The oil boom of 1899 naturally spread to this field and productive wells resulted, the first good oil yield being struck at 600 feet: In August, 1900, there were sixteen producing wells, and many were being drilled. During October five were completed and two were failures. In November fifteen were completed and three were abandoned. At the end of that month thirty-two new wells were being drilled.

Several carloads of oil are being shipped daily, but the production of this important district has not fairly begun. There is a daily service over the branch railroad to McKittrick. Two or three phenomenal wells have been developed, one flowing at first a thousand barrels a day. The oil is of a high gravity, the prospects for the extensive development of new territory are bright and the district is one of the best and most promising in the state.

TIME, NATURE AND OIL.

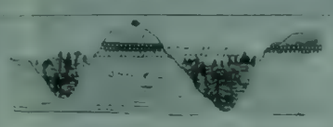
California Petroleum is Being Distilled Now But Most of it Was Made Millions of Years Ago.

California's petroleum has been distilled by nature and piped to her reservoirs through a long series of ages and the process is going on during the current month. It is not made as fast as a good pumping jack can take care of the product and so the demand must depend on the existing surplus and not on the rate of manufacture.

There are places in California where "fresh" petroleum—product of 1900—can be found, and then elsewhere oil a million or a few million years old is selling for eighty-five cents at the well. It would not pay an oil man to buy a tract of hot red shales and wait a few centuries for four barrels of oil and the fact is not one to interest the sordid, but it is nice to know what is going on. Hydrocarbons are not like sauternes in several ways, and one difference is in the fact that old petroleum is no better on that account than the newest. A million years doesn't make the price a cent a barrel more. One never hears an oil producer bragging that his oil is a few hundred thousand years older than his neighbor's and in fact few of the leaders of the great petroleum industry care a continental. They are not prospecting for sublime truths of nature.

Petroleum in its nature, origin, and occurrence is one of the most mysterious and interesting of the products of nature's remarkable genius, to those interested in romantic science. It is a strange thing and keeps secrets quite well. Like a certain other splendid mystery of nature, accounts of its age are open to suspicion, and this question of time is one of the interesting things about crude oil. Its Whence and its When are problems the geologist eagerly strives to solve and are worthy the passing notice of the most practical oil man when he is not engrossed in its Where and Whither.

California petroleum is most of it sublimely old, but still it is younger by many millions of years than oils of other fields. Eastern petroleum comes from rocks of a far older geological age and it occurs in some part of the world in unaltered sedimentary rocks from Archæan upward. The sandstones and shales of California were laid by the ocean before the Coast and Sierra Nevada ranges were uplifted. But if we knew how old were these rocks we would still not know how old was the petroleum. It was made after these rocks were laid and was deposited in them as time went on. If, as is held by many, it was distilled in carbonaceous shales by metamorphic heat, chemical action and pressure, and forced into the porous sandstones open to receive it, the process was a continuing one through enormous periods as, of course it was, whatever its origin. There was a period of most rapid creation and it was long ago and those older times are matters for speculation. In this spirit, it may be observed that State Mineralogist A. S. Cooper has estimated a possible 1,000,000,000 barrels of oil in the thirteen square miles of the



1.—Section of hill showing bituminization of sandstone before erosion.

developed Kern River oil field. Taking Mr. Cooper and a million years as a basis of calculation we find that nature has there made and stored petroleum at the average rate of 1000 barrels per year or about seventy-seven barrels per section per year or five gallons per acre. If the time was longer the rate is less, and undoubtedly is.

But the chief purpose of the writer here is not to solve such problems as these in the space available, but to note some interesting geological evidences, of a circumstantial nature, related to this question and observed by State Mineralogist Cooper, from whom the accompanying diagrams, illustrating his information, were obtained. These evidences concern the phase of the question related to comparatively recent time and are interesting and worthy of note. They relate also to the fact of the continuation of nature's oil operations at the present time.

The present distillation of petroleum Mr. Cooper has studied in Santa Barbara county and he has described it in his bulletin on the "Genesis of Oil and Asphaltum in California." This is seen at a few places in beds of red shale which are undergoing changes through chemical heat, the shale by this process being finally altered into jasper. At one place a tunnel was driven for 200 feet into a bed of such shale, when the intense heat forced an abandonment of the work. Such metamorphic heat explains the many hot springs in various places and many other interesting evidences of this process are to be observed. In such shales, Mr. Cooper says, the distillation of petroleum is now going on. The volatile elements evaporate and residue collects as a thin coating on the surface. From such shales petroleum is now ascending into buried sandstones. Oil is largely found in sandstones, but it entered them from another source and collected there because it offered a favorable resting place. Pressure, capillary attraction, the condensation of hydro-carbon gases, etc., help explain its presence. In many places it has lost its volatile elements and has made simply beds of hard bituminized sand, called here bituminous rock. In some cases it entered a thin oil and later lost its volatile elements, and elsewhere it oozed into and impregnated beds of sand, escaping, under pressure or otherwise, from other sandstone formations where it originally collected. Vast asphalt mines were thus made ready. Now, this process can be seen going on to-day along the Santa Cruz coast. Beds of dry beach sand recently piled up by winds are being impregnated by oil which is slowly flowing into them from persistent adjacent seepages and in due time will be ready to quarry.

One may go back just a little way by noting an old tar spring in the midst of a large asphalt deposit near Los Angeles. This petroleum spring is still working but bears interesting evidence as to age. This spring is in a deep hole filled with viscous quicksand. Water also flows from it, providing a little green herbage about the edges in the dry season. Not very long ago a prospect well was sunk about

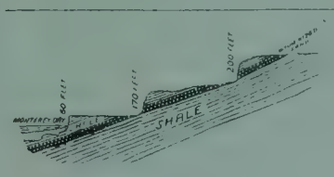


Fig. 2.—Section of bluffs showing bituminization before uplifting.

thirty feet, to the bottom. Near the top were the bones of cattle and sheep recently lost by falling in while after some greens. Below came bones of bear, elk, etc., which departed before the Gringo came. At the bottom were found bones of the long extinct American elephant (Elephas Americanus). Nature was at work on that asphalt deposit when that elephant slipped in and she has not finished it yet.

In working the Los Conchas asphalt mine in Santa Barbara county, the workmen came on a prostrate sycamore tree buried thirty feet under ground in a mass of bituminous sand. The wood was impregnated with bitumen and perfectly preserved, chipping in the manner characteristic of that wood.

The accompanying drawings illustrate much older processes and are noted for the evidences of time they bear. Figure 1 outlines a section of a hill about seven miles from Santa Cruz. Deep gulches have been eroded in the horizontal strata and redwoods hundreds of years old grow in them. Near the top of the hill is a bed of bituminous rock thirty to forty feet thick and in it is the mine of the Santa Cruz Bituminous Rock Comp[illegible] This sand was bituminized before erosion had reached it. Directly under the bituminous rock, Mr. Cooper states, is a bed of loose sand not bituminized. This shows that water was present in the bed of sand when the petroleum entered, and that it was floated to the top where it remained above the heavier water. The process stopped, for some good reason when it had reached the stage shown. Evaporation later hardened the bitumen. Now it is hard and brown for four or five feet in

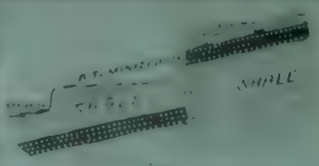


Fig. 3.—Showing bituminization before faulting occurred.

from the surface of the outcrop and further in the material is a viscous mass, very slowly hardening.

At a place on the Santa Cruz Cruz coast, terraces and a bituminized sandstone stratum show that this sandstone was bituminized before the terraces were formed or the shore uplifted, as illustrated in Fig. 2. The distortion occurred after the bituminization and before the first terrace was formed Thereafter the whole mass was lifted without distortion. When the upper terrace was worn it was at the ocean level. The formation of the terraces shows that each followed a sudden uplift. The terraces are worn into the bituminous rock.

Figure 3 shows a fault by the Santa Cruz shore, on Coja creek six miles northwest of Santa Cruz. The throw is about 200 feet, and the stratum of bituminous sandstone about 100 feet thick. The fault occurred after this sand was bituminized but before the terraces were formed.

A very interesting thing is illustrated by Fig. 4 and this bit of evidence goes still further back-

Fig. 4.—Demonstrating deposition of petroleum before metamorphic action below.

ward. Here is a mass of serpentine reaching up through a thick bed of shale to its top, over it lying a bed of bituminized sandstone. It is on Zaca creek, Santa Barbara county. This serpentine was not intruded up into the shale for it is not an igneous rock. It is a metamorphic rock and this serpentine was simply created out of the shale where it lay by metamorphic heat, The significant thing concerning the matter of relative time is that just above the top of the serpentine, which lies closely under the stratum of bituminized sandstone

a portion of the latter stratum has been partially altered by this metamorphic action. This plainly shows that the sand was bituminized before this metamorphism occurred, so long ago.

This short series of observations thus shows bituminization of sands extending backward from the present day to a period before the creation of a mass of metamorphic rock. These bits of geological evidences do not go back so very far through geological periods and they are but samples of the geological evidences regarding California petroleum to be found and studied. Of two bituminous rock deposits in Santa Cruz county one may have been placed while the Indians were rubbing the seeping oil on their joints, while one a mile away is able to tell of the uplifting of the continent's shores or of the time when the mountains were in a furnace. Petroleum has here many stories yet to tell to him who can read them and presents many riddles to the scientist.

View of Oil City Kern River District, from the River. Photo by Aston.

EASTERN MEN WANTED.

Railroads Are Making Material Reductions in Transportation Rates.

The railroads coming in California agree that never have there been such indications of eastern immigration to California as now, and railway officials are predicting the biggest business in years.

The Southern Pacific and the Sante Fe systems have united in asking their eastern connections to co-operate in establishing especially low colonists' rates in order to accommodate the promised inrush of desirable men and their families. It is estimated that the oil fields alone will bring into this state during the coming spring at least 10,000 eastern people. Not a day passes but what this office is in receipt of inquiries from all portions of the eastern oil fields—from Pennsylvania, Ohio, Indiana, West Virginia, Texas and Colorado, asking if there is an opportunity in California for work for drillers, tool dressers and men experienced in working in different capacities in the oil fields.

Invariably the reply is "we are short of help of every kind, and there is room here for good men in every field."

The oil business in California is yet in its infancy. Where there are now ten wells, in two years there will be one hundred or more; where there are seven or eight refineries in California there should be twenty. Even in San Francisco, which is the main market for oil, there is yet to be erected a single oil tank of capacity equal to the demands of the producing fields. Skilled men in the fields are lacking in every branch of the industry.

Now that the railroads have recognized the probable increase of business due to the development of the oil industry they have decided to make a material decrease in the rates of transportation to oil men through their eastern connections. It is to be hoped that eastern oil men will take advantage of this reduction and bring their skill and their knowledge to the oil fields of California

DISCOVERED THE OIL

How J. F. Elwood Drilled the First Oil Well in Kern County.

Herewith is given the only authentic statement of Mr. J. F. Elwood's discovery of oil in Kern county, ever published.

In the latter part of March, 1899, Mr. Elwood's observation of the formation in the McKittrick field led him to believe there was oil on Kern river, near Bakersfield. He accordingly induced his brother to go up and investigate. His brother did so, and reported to him that things were favorable, and they then together proceeded to get a small auger with which they drilled down twenty-five feet, and the next morning oil was running out of that auger hole into the river. The river raised from the melting snow, which prevented their further working at that location, and were obliged to go up on the bluff, where they sunk a shaft and struck oil at a depth of forty three feet, with a pick and shovel. This shaft they run down to seventy-five feet, then they took their auger and drilled down twenty-five feet in the bottom of that shaft, making the depth to the bottom of the auger hole 100 feet, and the oil began raising out of the auger hole into the well. The well will now produce two barrels per day. They drew out of it two barrels daily, with a bucket, which they used for fuel in drilling the first well that they contracted with Mr. McWhorter to drill for them. The shaft was sunk in May, 1899. In the latter part of June, McWhorter put up his rig and commenced drilling for them there, finishing the well some time about the first of August, which well produced about fifteen barrels. Mr. Elwood located land in eleven or twelve different sections, and to-day holds his entire interest in them. His first prospecting was about six miles from Bakersfield, right on the bank of Kern river. It was in the southeast quarter of section 3-29-28. Mr. Elwood is interested with Mr. George L. Hoxie and others in the Elwood Oil Company, and the Bakersfield-Fresno Oil Company, covering land in section 28-28-28, consisting of 520 acres. There is none of this land for sale.

Mr. Elwood is perfectly satisfied with his interests, and does not care to dispose of any property, considering that they are a good investment. His interest in the royalties are about $25 per day at the present time. Each well sunk increases his royalties on an average of about $2 per day This, considering the vast acreage that Mr. Elwood holds, will naturally lead to his being comfortably fixed for the remainder of his days.

It has been currently reported in all former publications that Mr. Elwood discovered this oil while in the pursuit of wood-chopping, but as a matter of fact he went to this property with the idea in view of looking over the land for oil; and, not to arouse the suspicion of the true nature of his mission, he approached the owner of the land that he wished to prospect, by making a bargain for certain timber contained thereon. After he was convinced that he had made a big discovery he went to Fresno and Sanger, got quite a number of his personal friends, and brought them down to investigate the matter, and to get them interested in the field, in which he was successful. Each of them have made from $10,000 to $50,000 through the venture. Mr. Elwood is satisfied with the condition of things in Bakersfield, and expects to purchase largely of real estate and locate permanently in that city.

F. Elwood.

Kern County Court House, Bakersfield 'Photo by Aston.

Since business began February 1st there have been 2,839,464 shares of stock sold on the second floor, in the Los Angeles Oil Exchange. The largest number for one month was 622,650 in September last.

OUR FOLDED SANDSTONES.

The Peculiar Conditions of California Oil-Bearing Formations.

In geological structure the oil fields of California are peculiar among the producing fields of the world.

Elsewhere the strata which yield petroleum on a commercial cale, while always more or less inclined and gently folded, lie comparatively flat under superimposed tormations. The only California field in which the oil-yielding strata approach the horizontal is in the Kern River field, on the floor of the valley, in which the oil sands dip at an average angle of about 15 degrees.

The rest of the California oil fields are amid much folded and tumbled mountains and foothills of the coast ranges, where a series of

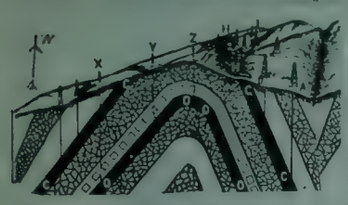


Fig. 1.—Anticlinal Fold and Oil-Line

upheavals has everywhere folded and jumbled the sedimentary strata. Once laid on a horizontal plane under ocean waters. In the Eastern, and in most foreign fields, oil-yielding formations are found extending with fair regularity under large areas, and the revelation of a few prospect wells miles apart may prove a wide territory.

But in the California fields, with he Kern River exception, the oil bearing sandstones are found steeply tilted and composing portions of folds. An A-shaped fold in an anticline and a V-shaped fold a syncline. These strata dip at varying steep angles, and thus present oil-fields that are as narrow as the width of the incline to a practicable depth, making "oil-lines," along which wells may possibly develop oil.

These folds are naturally very irregular, and the strata vary in

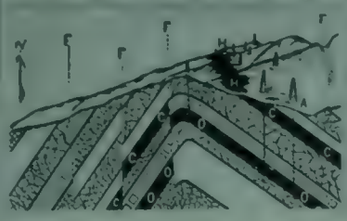


Fig 2.—Faulted Incline Fold.

inclination as they descend, and are faulted, crushed and contorted in every imaginable way. This condition makes expert geological study of the oil-yielding formations more important in California than anywhere else in the world. It is sought here to present but a few typical illustrations of the structural geology of the characteristic oil fields of this state, taken from the bulletin just issued by Prof. W. L. Watts of the State Mining Bureau. In that work Mr. Watts observes:

"To those who explore the hills and mountains of the Coast Range there are few things more interesting than the curiously folded condition of the rocky strata. In California the student of structural geology has not to search very far before he finds natural illustrations of the types of folds he has seen in his text books. In some parts of the world such folds are many miles in breadth, but in the Coast Range the conspicuous folds are generally narrow ones. These small and conspicuous folds generally constitute portions of larger folds, which, although they are more important than the small folds in the formation of hills and mountains, are not so easily detected unless a large area is carefully mapped out and studied. The small folds are of great importance, however, in determining the course and the width of oil lines."

Fig. 1 is an ideal section of an anticlinal fold; typical of a coast range oil field. This shows a "regular fold," the strata dipping at the same angle to each side. The strata C and O, represented in black, are sandstone formations bearing petroleum. The other strata are shales, etc., impervious to oil, which confine the oil to the sandstones. The strata C, C, were origionally continuous, as O, O remains, but erosion has worn away the top of the anticline, letting the sandstones C, C, outcrop at the surface. Under water, gas or rock pressure the oil escapes along the outcrops, forming seepages, the residue after evaporation leaves deposits of asphaltum. The oil may have all been forced out of this stratum or it may remain abundant at depth. It evaporates from near the surface, clogging the upper portion of the sandstone with residues. Only prospect wells at D and A can certainly reveal what oil is below. O, O is a "second sand" which presents no surface indications. Experimental drilling beyond the first sand, as at X or Y, will reveal it and a competent geologist might locate it from studies made miles away where this formation and the one above it outcropped when turned upward. On each side of this anticline there is an "oil line" as H, H. One side may yield oil and the other not. The oil in the stratum O, O, is confined and this is likely to be the most prolific.

In Fig. 2 is shown a similiar fold, but the dip is steeper on one side than on the other. This is an

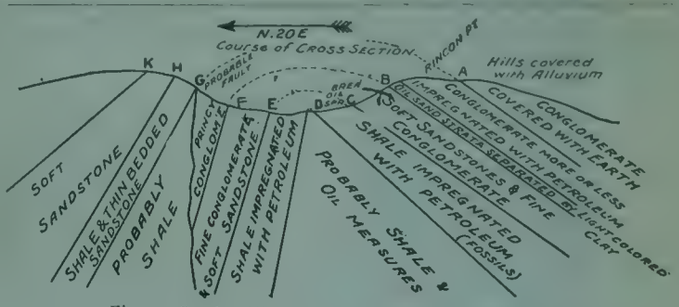


Fig 3 —Section Through Brea Canyon, Puente Hills.

"inclined fold," also illustrated at C, in Fig 5. In Fig. 2, the strata on one side of the anticline are faulted, but not the other side, where an oil line with surface croppings of the first sand and a hidden second sand are shown. On the faulted side, the oil is likely to have escaped through the breaks and fissures, but then the faulting may have itself affected a sealing up of the oil in a broken section.

Figs. 3 and 4 are diagrams by W. L. Watts showing, in sections, the present condition of various strata in a producing oil field. The first is a section at Brea Canyon in the Puente Hills, and the second is a section through the Puente Hills at the Central Oil Wells. Both are inclined anticlinal folds and exhibit faulting, compression and much irregularity.

Fig. 5, at D. shows an "overturned fold," the top of which has been eroded away as has the top of the inclined fold at C. If a well were drilled at J, it would miss the oil-bearing statum K entirely, while the adjoining well would cut through its curve but miss the lowest depths. Only a skilled geological expert would be apt to discover the nature of this fold and there is one of the many chance for "practical" oil men to throw away money. Many derricks have been erected in a position similiar to the ones at A and J and be blindly continued to great depth,

(Continued on page 26.)

The Rig of the Hercules Oil Company, With the Kern River Field in the Background.

VALLEY GEOLOGY.

Professor Watts Sees Buried and Hidden Oil Fields.

Professor W. L. Watts has given a brief general sketch of the geology of the San Joaquin Valley, in its relation to petroleum, in his latest official bulletin, and the following running extracts will be of general interest, the more practical portions being taken. The most interesting feature of his sketch is his statement that the geological conditions warrant the assumption that along the eastern side of the valley there may be found oil fields similar to the great Kern River field in formation and richness. He says in part:

The productive oil fields that have been developed in this region are in the foothills of the coast ranges and the lower foothills of the Sierras at the southern extremity of the San Joaquin Valley.

The formations to which the oil-yielding rocks of the San Joaquin Valley belong are the Eocene (Cretaceous B) and the Neocene; the latter formation having been deposited during an era which embraced the Miocene and Pliocene periods. Of recent years, geologists have decided that it is best to include the Miocene and Pliocene formations of California under the head of Neocene, and to divide the Neocene formations into the Upper, Middle and Lower Neocene. The Eocene rocks are for the most part rather hard sandstones and dark-colored shales, with some strata of hard limestone. The sandstone is characterized by numerous concretions. In this formation are the most important beds of coal known in California. The only place in the central valley where valuable oil measures have been developed in this formation, is at Oil City, near Coalinga, on the western side of the San Joaquin Valley, in Fresno county. At Oil City, an oil remarkable for its low specific gravity has been obtained from formations underlying rocks containing fossils of Eocene (Tejon) age.

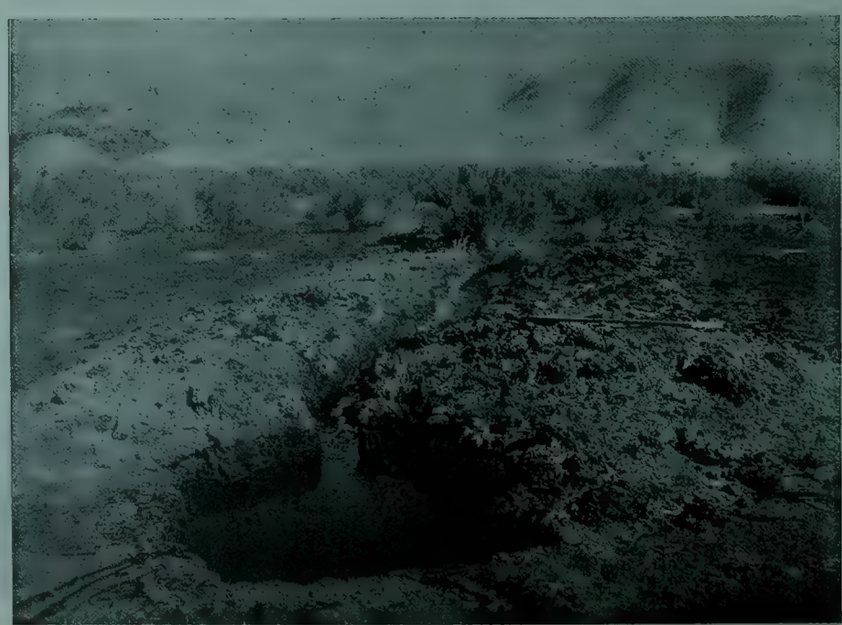
At the time these rocks were deposited the coast line of California was east of the area now occupied by the foothills of the Sierras. The central valley of California was covered by the ocean, and the coast ranges were only partly elevated above the water. The early Neocene times must have been a period of depression which allowed the deposition of the shale formation over a great portion of this region of the state. During the latter part of the Neocene epoch there was a marked period of elevation.

The Lower Neocene formations consist of a series of sandstones and shales containing Miocene fossil and a series of shales which are remarkable inasmuch as they are composed principally of silica. In places they appear to be made up principally of diatomaceous remains. The exposed rocks are usually bleached, and they are sometimes found to be white or whitish for a considerable depth below the surface. Professor Lawson, who has studied these shales, believes they are made up largely of volcanic ash ejected by the volcanic eruptions which prevailed in California during the Neocene period. These shales are interbedded with numerous strata of chert or cherty limestone. They also contain a few strata of sandstone and diatomaceous earth. The sandstones are usually more or less impregnated with petroleum. In many places springs of heavy, tar-like bitumen issue from these shales, forming beds of impure asphaltum. Wells sunk in this formation in most instances yield a heavy, tar-like oil, and some of the wells drilled in the shales near Oil City yield an oil of medium gravity. * * * In some places, as at the Sunset oil wells in Kern county, the whitish shales show a thickness of several thousand feet. In the San Joaquin Valley these shales form a conspicuous feature in the scenery throughout a large portion of the foothills of the coast ranges.

Resting with apparent non-conformability on the colored shales are the Middle Neocene formations, in which are the most important oil measures yet developed in the San Joaquin Valley. These are composed of a series of soft sandstones, bluish shales and clay strata. The Middle Neocene formations contain numerous fossils, which, in point of age, range from Miocene to Recent.

On the eastern side of the San

A Portion of the Coalinga Field. Fresno County.



Oil Seepage, Sunset District. Photo by Aston

Bird's Eye View In the Kern River District Photo by Asto

Joaquin Valley, the Neocene rocks differ somewhat in character from those forming the foothills of the coast ranges. The sandstones are interbedded with clay, and are made up largely of granitic material; volcanic ejectamenta appear to have also contributed to their composition.

Throughout the greater portion of the San Joaquin Valley, the Neocene formations are covered with alluvium. These formations are evidently many thousands of feet thick, but the rocks are so covered with alluvium that it is difficult to determine the extent to which faults may have increased the apparent thickness.

The question of conformability and non-conformability between the Eocene and Neocene formations is very important. If the Neocene formations rested conformably on the Eocene, the oil prospector would know that there might be a good chance of finding oil in the formations immediately underlying the lower Neocene rocks, even though the Eocene rocks did not crop out at the surface.

The Neocene formations on the eastern side of the valley are much less disturbed than those on the western side. On the eastern side they are usually inclined at a very slight angle, generally less than 16 degrees, while on the western side the inclination is seldom less than 20 degrees and sometimes as high af 70 degrees. The reason of this is that the earth-movement which so greatly disturbed the rocks of the coast ranges at the close of the Neocene period, affected but slightly the Neocene formations in the foothills of the Sierras. The development of the remunerative oil field at Kern river, on the eastern side of the San Joaquin Valley, where the formations are so slightly disturbed, warrants the assumption that other localities may be found where oil-yielding rocks which have been subjected to but very little disturbance form a wide and extensive oil-line. The place to look for such conditions is on the eastern side of the San Joaquin Valley. As previously stated, a great drawback to prospecting in the lowermost foothills of the San Joaquin Valley is alluvium, which to a great extent covers the Neocene formations. It is also possible that comparatively undisturbed Neocene formations may be found in the foothills of the Sierras to the south of Tehachapi Pass.

"Old Kentuck" Feuds.

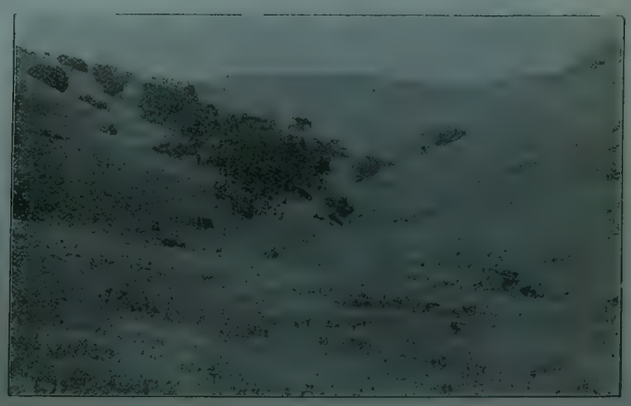
Oil operators are, as a class, law-abiding, peaceful men. Their questions of right are usually submitted to the adjudication of the courts. Bloodshed and murder are seldom connected with their associations. But "oil," like gold, ever excites the cupidity in man's nature, and around some great wells and oil properties there hangs a pall of summary justice—and injustice. Such a dark and bloody ground is the site of the "Old Kentuck" wells of the Sespe canyon, in Ventura county according to the Los Angeles Herald.

The "Old Kentuck" wells were started in the early '80s. The place is an eerie one, and the weird environment may have had to do with the murders that have occured or had their origin there. The country was new then, and men did not hold life so dear as they do now. Of most of these tragedies only the old court archives can tell at this date, but because they lived afterwards some operators yet recall the escapes of Thomas Jefferson and D. C. Scott. It is said that of all who engaged in the "Old Kentuck" feuds, they are the only men who lived to tell of them.

D. C. Scott was sent into the country by the Schofield interests to acquire oil land by location and otherwise, and his business brought him one day too close to "Old Kentuck." Joe Dye, a noted desperado, was in charge of the wells, but as luck would have it he was unarmed when the altercation between him and Scott occurred. He started for his cabin for a six-shooter, and Scott, divining his intention, started to run. He managed to get several hundred yards away before Dye opened up with his artillery, and he escaped without a scratch. Joe is said to have explained to his associates: "Well, he was dodging too much, an' then he was too far away for real good shooting, anyway." Dye vowed to kill Scott, however, and the latter never felt safe afterward until Mason Bradfield, one of his friends, shot Dye one afternoon from a second-story window in Los Angeles.

The other escape was not so easy, and the star actor, Thomas Jefferson, carried the scars of his encounter to the grave. With a party of disreputables, Jefferson one day invaded the "Old Kentuck" when it was guarded by an old man. They went unarmed as usual, as it was thought the old man was harmless. This proved not to be the case, for he drew an immense bowie knife and carved Jefferson in a frightful manner. Jefferson's friends fled, and the old man left him for dead. He was removed to Ventura, however, and after lying between life and death for months, he recovered, but was shockingly disfigured.

Such stories as these are not pleasant to read, but when contrasted with present conditions in Southern California they induce appreciation of the law-abiding spirit of the present day.



Oil Lands in Contra Costa County Where Companies are Now Operating.

OUR FOLDED SANDSTONES.

(Continued from page 23.)

while all the time the drill was getting further from the oil sand.

Other illstrations of the peculiar geological structure of the oil fields of the Coast Range, the difficulties and uncertainties presented and the need of the expertt aid of scientifically trained ment might be greatly multiplied. In his bulletin, Mr. Watts observes: "There are two phases of geological investigation, upon which a right understanding of our petroleum deposits depends: First, a knowledge of the area over which the oil-yielding formations extend; second, a knowledge as to the pos sible course, length and width of the oil lines, or the lines along which renumerative wells can be obtained. With a good topographical map, the first of these propositions can be shown without the expenditure of much time and labor. The second proposition, upon which alone a correct estimate of the value of our petroleum deposits can be based, must be worked out by a careful study of the structural geology pertaining to the subject under investigations."

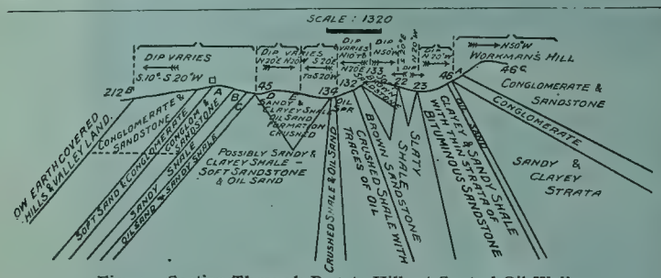
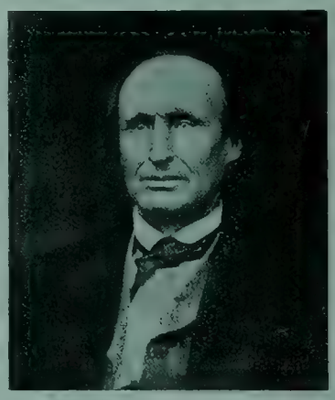


Fig. 4.—Section Through Puente Hills at Central Oil Wells.

Fig. 5.—Inclined and Overturned Folds.



Thomas F. Baker, Founder of Bakersfield

How a Sunset Well Poured Forth Wealth by Day and Night.

One of the Early Gushers in the Kern River Field, Kern County, Showing the Flow of Heavy Oil.

A GREAT OIL EXCHANGE.

The Producers' Exchange of San Francisco and Its Success.

The Producers' Oil Exchange of San Francisco is now rapidly becoming one of the leading business institutions of the metropolis of the Pacific and one of the great factors in the oil industry of the state.

Within the past few months this exchange has seen its business grow to great proportions and its prospects for the future expand into a promise that it will rival the many stock exchanges of the boom days of the Comstock. This exchange is a strong association of some of the most prominent oil men of the state and of the leading brokers of this city interested in the sale of oil stocks. The growth of this exchange and its business is an illustration of the steady increase of the financial interest of San Francisco in the oil industry.

The history of this exchange dates from August 23, 1899, when a few men met to discuss the formation of a board to be called by the name it now bears. At that time the California Oil Exchange had been in existence for a short time. Organization was perfected September 5, with forty-three charter members, and the following officers: President, Geo. W. Terrill; vice president, Joseph L. King; treasurer, W. G. Berry; secretary, R. W. Heath.

Under authorization, a room committee secured and fitted up the present quarters of the exchange on the ground floor of the Mills building, and there the first session of the exchange was held October 23, 1899. The exchange pursued a quiet career for several months, as did the California exchange. The good sense of the members of both exchanges brought about a consolidation of the California Exchange with the Producers' Oil Exchange on March 20, 1900. This gave additional basic strength to the institution, a strength which was to so greatly increase in the future.

The business of the exchange was dull for eight months succeeding organization. In the fall of 1899 the oil boom had just reached San Francisco and time was necessary to develop a methodical interest on the part of the investing public. There were for a time, occasional sessions at which not a share of stock was sold.

But from about July 1 last, interest and sales increased steadily until today this exchange is one of the leading financial features of the Pacific Coast. The transactions have now reached such a magnitude that the brokers generally are regularly making handsome commissions. On December 7, there were 27,250 shares sold at the morning session and 8,930 at the afternoon session, a total of 36,180 shares. It is well to note in this connection that from the beginning there have been no "wash sales" on this exchange and that the current sales are legitimate transactions in the best oil stocks in the California market.

The stocks listed by this exchange now number about fifty. Of these but five are in the Los Angeles field, the rest of the companies represented being in fields north of Tehachapi. The number would now be much larger were it not for the care exercised by the listing committee in admitting stocks from the great number now before the public. The policy and practice of the exchange is to list only the stocks of companies which are actually producing oil, and the few exceptions are the stocks of companies which crept in during the early days of the exchange, but these are stocks of legitimate and worthy companies.

Under this careful practice the number of stocks listed is increasing at the rate of two to three per week and it is anticipated by experienced and conservative brokers and oil men that in a comparatively short time the number of oil stocks listed will be between 150 and 200 and that the exchange will be center of an old-time stock boom resembling nothing but the halcyon days of the Comstock. Those who make this prediction base it on the splendid present and unquestionably greater future of the oil industry in this state, and on the speculative spirit that pervades city and state.

At the present time an aggregate of $10,000 worth of stocks sold at a morning session is a low total of sales and at a single session $23,000 worth of stock has been sold in a legitimate way. The attendance at the daily sess[illegible] now crowds the room provid[illegible] by the hall, and the present large quarters are already proving inadequate for the needs of the exchange.

Chairman Jos. L. King has been a close student of the fields, companies and commercial features of the industry and has been indefatigable in the accumulation of reference material of value. In the rooms of the exchange are dozens of the latest official maps of oil producing counties, oil fields, etc., leading publications are on file and this has long been known as the best place in the city to obtain ready information about the practical affairs of the industry.

Mr. King, with characteristic care and persistency has compiled a voluminous register of oil companies with details of their organization and properties and now has 1500 companies so registered. A constant stream of inquiries for information in person and by mail come to Mr. King and all are cheerfully replied to without regard to membership in the exchange.

The membership includes forty-four licensed and seventy unlicensed brokers.

The present officers of the exchange, elected at the annual meeting in September last are the following:

President, G. W. Terrill; vice-president, William Edwards; treasurer, Wm. F. Belding; chairman, Joseph L. King; secretary, R. W. Heath.

Executive Committee.—Chairman, Harry Francis; Wm. Edwards, A. F. Coffin, E P. Barrett, Joseph L. King, Wilfred Page, Sivian Salomon, W. W. Terrill.

The First Meeting of the Producers, Oil Exchange, in March, 1900.

A BURNING GUSHER IN THE COALINGA FIELD.

An oil well presents a remarkably picturesque scene when, after the drill has pierced the impervious cover of a stratum in which oil and gas have been confined for ages under enormous pressure, the pent-up energy is suddenly released and shoots up for a thousand or two thousand feet the heavy tools and a column of oil that strikes the top of the derrick and floods the surrounding area. Such gushers are not usual in the California fields, though many flowing wells are developed, but a number of wells have displayed this phenomenon, especially in the Coalinga field.

When the gas and oil thus belching forth take fire, the scene is weird and sublime. The halftone above is from a photograph of such a burning well in the Coalinga district. It's hard luck to have a buning oil well on one's hands, but in this case the Home Oil company was not very sorry. The owner of such a catastrophe is generally very philosophical about it. A burning oil well is about the only kind of property that would sell for just as much while on fire.

They had a great deal of trouble to get the fire out and the well under control in this instance, but they did it, and the well became one of the great ones of that district developed in 1899. Various experiments were tried before success was attained. As is generally the case with such gushers, the flow of gas and oil was of intermittent force, and finally the end was accomplished by running a pipe from the boiler and down the well during a time of partial subsidence and smothering the fire with a big jet of steam.

California has been free from serious disasters from burning wells and tanks but they may attend the expansion of the industry.

A HEALING POWER.

Some of the Old and Varied Medicinal Uses of Petroleum.

The following observations on petroleum in medicine were written for the Los Angeles Herald by Dr. John McCoy:

From time immemorial, from Adam to Esculapius, and from Esculapius to the present day, man has ransacked the heavens and the earth for means to relieve suffering humanity of the ills that have followed hard after us all down through the ages. Earth, air and water have yielded their share, and along the eastern horizon hope looms up, giving great promises for the future. In the days of Ben Jonson and Queen Elizabeth the average life of man was about twenty years; now it is forty, and it is still on the increase.

The future is big with possibilities from a medicinal and a sanitary point of view. Long ago petroleum was considered valuable as a remedial agent in pulmonary tuberculosis and it is still used in the treatment of this disease. A number of petroleum derivatives are to be found on the shelves of all well ordered drug stores, and some of them have had an extensive sale. In large doses they are believed to depress the heart's action, and this fact militates against their common use. They should not be taken internally except by the advice of a physician. Coal tar derivatives are also of this class. They have caused the death of many persons. Barbadoes tar, Haarlem oil, Seneca oil and American oil, all consisting, in part, or wholly of petroleum, were sold by druggists long before oil was obtained by drilling. They were used mostly as liniments for rheumatism, and kindred ills. Cosmaline, glymol or petroleum oil, and the large vaseline family are highly appreciated, and extensively used by many druggists and physicians. Most of them are about the consistency of butter, and will keep for a long time without becoming rancid. It is believed that we may some day procure an anesthetic similar to chloroform and ether from petroleum, and that many other useful medicines may be gotten from that laboratory deep down in the ground. Benzine is now called petroleum ether; its inhalation makes a peculiar effect on the nerve centers. Paraffine, naphthaline, mineral tar, and many other petroleum derivatives have a place in the healing art. They are useful in skin diseases, and make a good dressing for wounds. They are useful in diseases of the chest where there is no inflammatory action. Petroleum and its derivatives are stimulant, antispasmodic, expectorant, and diaphoretic. Crude petroleum is used in domestic practice, and often with good results; it has been extolled as a remedy for tape worms. Naphtha is regarded as a useful remedial agent in the treatment of cholera. The vapors of petroleum have proved useful in some asthmatic affections. Men who have asthma often find relief by working among flowing wells, or otherwise handling crude petroleum. Workmen occasionally drink it in liberal quantities, and some remarkable cures have been reported.

Come to think of it, petroleum products have a faculty of eradicating all manner of disagreeable stains, and they appear to have wiped out that pencil mark which once on a time divided the state into Northern and Southern California, says the Los Angeles Herald. If it is ever drawn again by any malicious person it will undoubtedly appear north of Kern and San Luis Obispo counties.

The words "struck ile" first came from the lips of a maiden whose father in the early days of the oil excitement in Pennsylvania had been drilling for a long time and about given up hope, when one day the drill tapped the sand and a volume of liquid wealth poured forth. The excited maiden on hearing the news rushed to a neighbor's house, crying as she went, "Dad's struck ile." From that time the phrase became a by-word in the oil regions and the fame of the aforesaid maiden reached far beyond.

FOSTERING THE INDUSTRY.

The Purposes and Important Achievments of the California Petroleum Miners' Association.

The California Petroleum Miners' Association is the only organization representing the interests and promoting the general welfare of the oil industry of the state, and this fact and the work it has done and planned make it one of the important and looming features of the petroleum industry. It is one of the large industrial forces of the state, and a brief review of its composition, purposes and achivements is especially appropriate here, and will be of interest to intelligent oil men generally.

This organization is now only seven months old, but in this comparatively short time it has accomplished a great work in behalf of the oil interests of the state generally, proved its value to the industry and given bright promise of a long and successful career. Being composed in membership of the leading men in this industrial field, it is thoroughly representative of the whole industry. About 100 leading oil companies are enrolled, all their officers and directors thus being connected with the Association, and the membership includes, besides, many individuals who are playing leading parts in this expanding field.

The beneficial work that has thus far been accomplished by the California Petroleum Miners' Association has not chiefly concerned markets, prices, the exploitation of particular oil fields, etc., but has been general in its nature and of great significance.

Its first victory in behalf of the oil interests was in behalf of the oil miners in their conflict with the scrippers. It was mainly through the active and persistent efforts of this Association that vast tracts of the public domain, chiefly in the San Joaquin Valley, were last summer withdrawn from entry by the Commissioner of the General Land Office, thus preserving the oil miners' rights and opportunities in the development of the oil resources therein.

It did an effective work in connection with the International Petroleum Congress at Paris in promoting its success and in advertising the petroleum resources of California by sending exhibits of typical oils of the state and naming influential delegates to represent this state.

Perhaps the achievement of greatest significance was the successful co-operation of the California Petroleum Miners' Association with the California Miners' Association in the last annual state convention of the latter, November 19-21. An invitation to represent the oil interests of the state in that general mining convention was cordially accepted, with the result that the petroleum industry was, for the first time and completely, included in the scope of the California Miners' Association, support to its legislative interests being pledged and the several resolutions declaring the legislative needs of the oil industry being adopted by this convention. There was thus gained for the oil interests of the state the direct and active support of this old and powerful association, a great and direct gain, the value of which will be seen in the future.

When Well No. 5 of the Home Oil Company Broke forth in the Coalinga District.

The California Petroleum Miners' Association has been a bureau of information which has disseminated a great amount of information about the oil resources of the state at home and abroad, and done much to advertise them and to enlist capital from elsewhere in their development. It has already served the industry well in other ways, and demonstrated to oil men the need and value of unity and co-operation in behalf of its general interests.

The Association originated early in May, 1900, from the getting together of a few men who appreciated the need of such an organi tion to promote the general welfare of the industry amid its boom and the troubles and wants which were arising. The matter was taken up at its earliest inception by the PACIFIC OIL REPORTER, which made the first public announcement of the plan in an editorial in its issue of May 4, and which continued its vigorous advocacy.

The first meeting was held on Wednesday, May 16, in the office of the Fresno-Alpha Oil company, in the Mills building. T. A. Kirkpatrick of the London Oil company, manager of the Palace Hotel, called the meeting to order and L. Perry Crane of the World Petroleum Co., was elected chairman, and W. B. Winn of the PACIFIC OIL REPORTER, secretary. Among others present were: E. P. Heald of the Palace Oil Co., H. S. Field of the Esmeralda, C. H. Elliott of the Dos Palos, B. Marks of the Santa Maria, W. E. von Johannsen of the Century, J. B. Hoss, A. S. Stratton, et al. These men are all prominent in the business life of San Francisco and they proceeded with a clear appreciation of the particular value of an association formed on practical lines.

The work was taken up enthusiastically, and at a second largely attended meeting, on May 25, a committee report on the objects and plan of organization was approved. The purposes of the Association, as thus declared and embodied in the constitution, were:

"To promote and encourage the petroleum industry in California to the end that the commercial wealth of the state may be enhanced.

"To assist in securing such National and state legislation as will best protect the petroleum industry of California.

"To create a bureau of information regarding the oil territory of California, and to furnish information and to afford protection to inquiring investors.

"To disseminate knowledge of the petroleum interests through the press and by public meetings and literature of the Association.

"To maintain by all proper means the dignity of the petroleum business of the state of California.

"To discourage all resort to unbusiness like methods in the production and manipulation of oil and oil companies' stock.

"To employ competent legal service, if required, to protect the oil industry of the state, or to maintain the rights of the members of this Association.

"To provide suitable headquarters for the members of this Association and other persons interested in the petroleum interests of California."

In carrying out these purposes it was proposed that the Association, while not concerning itself with the sale of stock like an exchange, should protect the industry and the investing public from the injurious effects of the exploitation of fakes by reporting on the standing and integrity of oil companies; that it should act as a board of trade in giving information about districts, compile statistics, maintain an exhibit of oils and their analyses; promote state and National legislation in behalf of the oil interests; advertise the opportunities for legitimate investment and otherwise aid the industry in every way possible.

Incorporation followed, headquarters were opened in room 33, second floor of the Mills building, and on June 7 organization was effected as follows: President, L. P. Crane; first vice-president, O. A. Lane; second vice-president, J. C. Kirkpatrick; third vice-president, E. D. Berri; treasurer, H. S. Field; secretary, W. B. Winn; additional directors, E. P. Heald, W. B. Simmons, G. H. Jones, B. Marks, F. E. Harmon.

Since then Secretary Winn has resigned the office, while remaining a director, W. B. Simmons succeeding to the secretaryship, and the vacancy caused by the resignation of Director F. E. Harmon has been filled by the election of U. S. Surveyor-General J. M Gleaves and Dr. T. C. Deane has been elected director in place of H. S. Field who was compelled to resign on account of pressure of business duties. The Association is growing steadily both in membership and in its scope of usefulness in the oil industry. Every oil company and every one who desires the general welfare of the oil industry should affiliate with the Association and become an active member.

GREAT SULPHUR MOUNTAIN.

The World's Greatest Oil Seepages In Ventura County.

One of the remarkable features of the oil resources of California is to be found down in the beautiful Ojai valley of Ventura county in he southern part of the state. Here is an undeveloped oil field, the great Bard ranch, miles in length, which exhibits the most wonderful oil seepages in America, if not in the world and displays surface geological indications of enormous oil stores more definitely and certainly than any other field in the United States.

This property is a striking illustration of the enormous possibilities of the oil industry of this state in the future and it is of especial interest just now for the reason that a syndicate of eminent and wealthy oilmen have matured plans for its development on a large scale, thus giving promise of one of the greatest oil enterprises in the state.

It was down there in the Ojai valley that the oil industry of California had its real beginning and that is the region where it shows its oldest and most elaborate development. The prolific seepages of this region early drew general attention, and in 1864 Leland Stanford and others undertook operations among them. During the '60's Colonel Thomas Scott, the railroad magnate, became interested here and bought large tracts of oil lands in this part of Ventura county, sending Thomas R. Bard, now United States senator, to manage his interests.

Much of Scott's holdings passe into the possession of Mr. Bard including the Bard ranch of over 6,000 acres which is the subject of this account.

In succeeding years others carried on development in this region and productive wells resulted. Finally several large interests were merged into the Union Oil company, in which Mr. Bard held a leading interest, and this great company has since then become the leading one of the state. It has put down 300 wells in Ventura county and its most productive fields are close to the Bard ranch. Its pipe lines cross this property and its great refinery at Santa Paula is but six miles away. This big ranch is surrounded on all sides by productive wells.

But the wonder and the promise of all this rich particular region is the Bard ranch lying thus in the midst of this proven field. It includes the northern slope of Sulphur mountain, which shuts the Ojai valley off from the ocean to the south, and it includes a large part of the floor of the valley. In shape the property is a right angled triangle with a narrow base. The apex of the triangle is at the head of the valley and here is the famous "No. 6" well, the oldest producing well in California, drilled over thirty years ago. The property is part of the old Ojai rancho and it stretches down the slope of Sulphur mountain for between six and seven miles. The valley lies about 1500 feet above the sea and the mountains rise on either side to about 3000 feet.

It is on the northern slope of Sulphur mountain, embraced in the Bard ranch, that the remarkable indications of vast oil deposits are displayed. The geological structure is singular. On the northern side of this elongated mountain the outcropping strata dip southward under the mountain at an angle of forty five degrees. On the southern side of the mountain they similarly pitch northward under the mountain, showing that the present mountain is part of a syncline. Across the Ojai valley the strata dip northward, showing that what is now the valley is a denuded anticline, the apex of which was once above the lowest present depression.

The strata which outcrop along this slope of Sulphur mountain include great beds of oil-bearing sandstones, aggregating 600 to 700 feet in thickness, and the outcroppings run in straight and unbroken lines, showing no faults. It is thus demonstrated that under and through the mountain, for a length of several miles, there curve thick, unbroken sandstone strata rich in petroleum, and which must hold enormous quantities of oil in their basin-like depths.

That this is true is shown by the wonderful seepages along the slope, where rock and gas pressuret has for ages been slowly forcing upward and out at the surface the oil confined below. As the oil seeps from the ground its volatile constituents rapidly evaporate, leaving an asphaltum residuum which gradually accumulates as years go on, until immense beds containing thousands of tons of asphaltum gather below each seepage.

The seepages on the Bard property include the largest known to exist in the State—probably the largest in the world. The illustrations [reproduced from photographs] accompanying this article—impressive as they are—can convey but the slightest idea of their mass. The greatest of them all is that in Pinkerton Canyon, a minute part of which is pictured on this page. This is about midway of the property, and the sight of it would repay a long journey. Here one may pick his way [if the day be not too warm] on a solid bed of asphaltum for nearly a mile up the windings of the canyon. At some points the deposit is more than a hundred yards wide. Its depth can only be a matter of conjecture, but is estimated as high as a hundred feet.

Under the rays of a summer sun, this whole mass softens enough to move sluggishly on down the canyon, and then it becomes a veritable death-trap. One cannot walk many paces without seeing the bones of animals or the horns of cattle protruding from the mass. Once an animal gets fairly caught on this holding, yielding surface, and it is as surely doomed as the prisoner of a quicksand. The losses to the stockmen whose cattle graze on these hills, from this cause, are frequent and have amounted in the aggregate to housands of dollars. As for birds, squirrels and other wild creatures, they are as helpless here as flies on sticky fly paper. The seepage in Pinkerton Canon, though larger than the others, is a fair representative of several upon this remarkable property. The accompanying view of a portion of this seepage shows a large watering trough which has been carried downward and partly buried by the flow.

This wonderful stretch of oil-bearing rocks and seepage is thought by those who have made a careful study of the formation there to comprise an oil belt fully a half mile in width. This would indicate that there is room for at least 2000 wells upon the property. That many wells will, of course never be drilled and the vast stores of oil will be slowly and steadily developed and withdraw through a long series of years, but it is interesting to note the fact that 2000 wells, which would not stand together as closely as those in the Los Angeles field, would if each produced but ten barrels a day, yield over 7,000,000 barrels a year, or double the present production of the state. The productive wells at each end of this long oil line reinforce the unmistakable and remarkable surface indications sufficiently to warrant the prediction that here will be one of the wonderful oil fields of California.

A Pool of Oil from a Seepage on the Bard Ranch.

That this property has not been developed in the past to a greater extent has been due entirely to a lack of opportunity on the part of Senator Bard. He has been a leading member of the expanding Union Oil Company, has had many oil and other interests to command his time and capital, and his recent election to the United States Senate further circumscribed his business activities. In past years he has repeatedly refused to part with the property to capitalists and has cherished the intention to develope the property when time and opportunity permitted.

However, a short time ago he consented to transfer the property to a strong company of Los Angeles capitalists, most of whom he well knew, and in whose judgment and ability to carry through whatever enterprises they should undertake he had unlimited confidence, and to entrust to them the development of what he had always believed to be the richest oil territory in this part of the state. Then it was that the Bard Oil and Asphalt company was organized, and the mineral rights above referred to transferred to that company, Senator Bard retaining a large interest in the property as a stockholder of the company; and the work of developing the 6000 and more acres covering these valuable oil deposits was begun. The title to the property is unquestionable and the members of this company are distinguished citizens who have made conspicuous successes in life.

The oil is a light oil of twenty-four degrees gravity and pipe-line and railroad transportation is directly available. Wells are now being put down by the Bard Oil and Asphalt company which will operate on a large scale with abundant capital, but the property is so large that it has been decided to sell one-half to buyers in parcels to suit, and this will further hasten development.

The president is W. H. Perry, of Los Angeles, who is also president of the Los Angeles City Water company and of the Perry Lumber company, is a director of two of the leading banks in that city, and a large stockholder in the Nevada bank and the Union Trust company of San Francisco.

General John R. Mathews, who is first vice-president, has recently completed a term as postmaster of Los Angeles, and is one of the leading commission merchants of Southern California.

Thomas Hughes, second vice-president and superintendent, is one of the most successful oil operators in California.

L. H. Valentine, secretary and attorney, is one of the best known attorneys of Los Angeles.

Herman W. Hellman, treasurer, is vice-president and local manager of the Farmers and Merchants' bank, besides being a stockholder and director in half a dozen other financial institutions in Southern California.

The other directors are Senator Thomas R. Bard; Edward Strasburg, president of the Oil Storage and Transportation Co.; A. H. Naftzger, president Southern California Fruit Exchange; A. J. Crookshank, register U. S. Land Office. The capital of the company is $2,000,000 in shares of $1 each.

Such an association of men, with such a property, will not fail to make a very notable success of interest to the entire oil industry of the state.

Largest Seepage in California. Pinkerton Canyon. Trough Buried in Oil-Flow.

FIRST OIL-BURNING ENGINE.

How the Santa Fe Pioneered the Way to Oil.

The Santa Fe Railroad company is the largest buyer and consumer of California fuel oil, is one of the largest producers of petroleum in the state, it taught the railway world the economy and method of using oil for locomotive fuel, and it promises to long remain a leading force in the industry of this state.

This gives this great railroad corporation a prominent place as a factor in the oil industry of California and the effect of its presence in this field is a benign one and one from which no suspicions or fears may start, as they may from the presence and operations of other corporate forces. The Santa Fe is not a commercial institution and its capital is not and will not be used to bull or bear markets. It will, with ordinary business acumen and prudence, seek the cheapest efficient petroleum fuel it can obtain, both by developing its own supply and by making the best contracts it can secure, but it naturally has no further interest in prices of oil and it has no motive which should lead it to seek control of the output. It is to the apparent interest of this corporation to foster the development of the oil resources of the state to their fullest extent and there has not yet appeared on the horizon of the oil industry any issue with this company which portends any hostility such as has so often attended the relations of railroad corporations to various industrial interests.

The great feature of the oil industry in the current time is the rapid increase in the output. Increase of output demands an adequate increase of consumption, or there will surely follow an era of low prices, depression and discouragement, which will end when the consumption overtakes the supply. During the recent large increase in production the Santa Fe company has been rapidly extending its use of fuel oil until now this is practically the only fuel used in its locomotives on all its lines in California, and its consumption amounts to several hundred thousand barrels a year. With all its large investments in oil lands, vigorous prospecting work and producing wells, the company is yet obliged to depend largely on contracts with other producers and during the current year it has made such long-term contracts covering tens of thousands of barrels per month. This amounts to the removal of so much

The Pioneer Oil-Burning Locomotive.

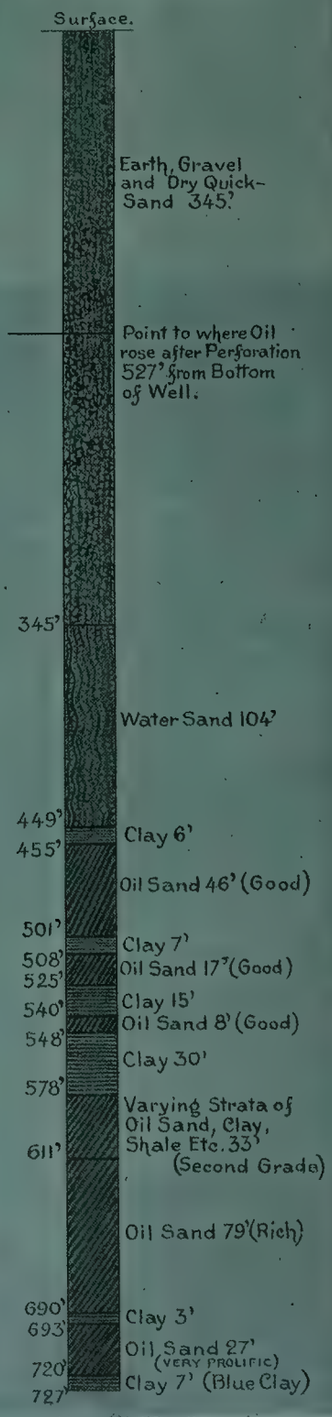
Continued on page 37.

EARLY SCENES IN THE KERN RIVER OIL FIELD.

Supt's Smile, When Peerles struck "Ile."

Peerless Well completed,

Original Discovery in Kern River District in Sec. 3. 29-28. 50 Feet by Windlass and 20 Feet by small Drill.



Peerless Water Wagon.

Peerles Wells 3 and 2. Oil was struck in 2, Jan. 17' and the Well was afterwards completed at 727 Feet. Oil was struck in No 3 on Feb. 17, and Work still continues.

"33" Pumping Jack.

This page illustrates some of the typical developments in the Kern River field in the spring of this year, when the first producing wells were being completed and oil men were just beginning to realize the greatness of the field. They are mainly views of the property of the Peerless Oil company, in the heart of the producing district.

Derricks were not so numerous as now, and those shown look a little lonesome in comparison with the present time, when photographs from the same points of view would show backgrounds filled with the monumental towers that proclaim the exits prepared for hydrocarbons.

That water wagon was one of the pioneer features of the field, and tells of one of the early troubles of drillers. The field is, on the surface, an arid waste, and the only source of water for steam boilers and drilling was the Kern river, three or four miles away. Water was struck by all the wells, but drillers were in a hurry to get to the oil sands and did not stop in the first water sand and take a new start, but cased off the water and went on down. Such water wagons were early secured and kept busy. Some men went into the water business and made money out of the Kern river before oil companies made money out of oil. Later water supplies naturally became adequate through water wells an pipe lines.

The section, or "log" of Peerless well number 2, was the first definite information about the geological formations of the field penetrated by the wells to be made public. The early operators were very secretive about their "logs," but now the succession of strata all through the field is well known.. The section here given is typical of the field and shows the phenomenal aggregate thickness of the oil sands. Deeper drillings have revealed oil sands below the lowest here shown, and there remains the possibility of further rich sands below the lowest point yet reach by the drill. The future possibilities and probabilities of the Kern River field are below as well as around it.

The picture of the discovery well of the district is of historic interest. J. F. Elwood, a man without means or any knowledge of the oil business beyond the fact that if oil was in the ground a hole would reveal it, if deep enough, decided to see what was below the neighbo.hood of an old seepage. He dug an ordinary well to a depth of about seventy feet and then used a well-boring auger, reaching the first oil sand and accomplishing the discovery of the great Kern River field in the summer of 1899.

LEGISLATIVE NEEDS.

How the Miners' Association Supports the Industry.

At the ninth annual convention of the California Miners' Association, held in San Francisco November 19-21, 1900, the petroleum industry played a leading part, and the legislative needs of this industry were cordially taken up by the big general organization of the mining industry. In the future the oil industry will have a mighty champion to co-operate with in its battles for needed state and national legislation.

The series of resolutions adopted on the last day of the convention, declaring the demands and purposes of the miners of the state, embraced many matters of importance to the industry at large and nearly half of these resolutions were devoted to the oil industry. This industry was represented in the convention by a strong delegation from the California Petroleum Miners' Association, which presented a series of resolutions expressing the readiness of the oil men to co-operate with all other branches of the mining industry in behalf of its general good, and stating the especial needs of the oil interests in the fields of law and governmental administration. The most important of these resolutions were the following:

RESOLVED, That in the problem of emedying the criminal abuse of the land and mining laws of the nation by the wholesale attempts to secure as agricultural land by the use of so-called scrip and otherwise, great tracts of the public domain that are unquestionably mineral in character and which are recognized as mineral by the people who seek to secure them as such by subterfuge, legal technicalities and outright perjury, the petroleum industry faces the matter of most serious present concern to it in its relation to the Federal laws and their administration. We believe that this problem is peculiarly one in which the whole mining industry of the state is interested together with the petroleum miners, and we confidently ask the reciprocal aid of the California Miners' Association in our endeavors to protect the heritage of the miner in the public domain in accordance with the letter and spirit of the beneficent laws which were intended by Congress to sacredly preserve the vast mineral resources of the public domain to the mining industry that their development might be encouraged and fostered.

RESOLVED, That one of the most important and feasible remedies for the sad abuses of the rights of the oil miner on the public domain, would be found in the law unsuccessfully proposed to Congress during its last session, by which the location of petroleum placer claims was sought to be so regulated as to secure to the miner an opportunity to make a technical "discovery" of mineral substances as a precedent to location, in accordance with law. A measure of this nature is demanded by the peculiar conditions of the petroleum industry, would be but a measure of simple justice necessary to give effect to the spirit and intent of the mining law, would be but a wise adaptation to the oil industry of the tunnel site law, and would work no injury or inconvenience to any legitimate interest. We urge this measure on the renewed attention of the California Miners' Association as one worthy of its careful consideration and energetic support, remembering with deep appreciation the vigorous and generous action of the executive committee of the said Association in its behalf in the past.

RESOLVED, That in the opinion of this body the geological conditions attending oil mining and the multiplication of wells which penetrate water-yielding strata and release their stores of water, make wise and timely an investigation of the alleged injuries done to oil wells and oil fields by the flooding of porous oil-yielding strata from such induced flows of water. We note the fact that the laws of certain Eastern states recognize the injury to the oil interests caused in this way and require the casing of water-yielding wells in oil regions and the effective plugging of abandoned wells.

RESOLVED, That the committee on legislation of the California Miners' Association be requested to include in the matters of proposed state legislation to which it will give early attention, the needs of the petroleum industry, and it is suggested that one important matter is that of the regulation of mining rights on lands controlled by the state, including tide lands, the bed of the ocean to the three-mile limit, and the beds of streams, all mining operations in such ground being now conducted by the simple sufferance of the state and the only mining rights obtainable being those based on possession.

RESOLVED, That in the judgment of this Association the mining industry of this country, with its output of raw material exceeding a billion dollars in annual value, its tremendous significance to the industrial prosperity of the nation and its still more splendid promise for the future, warrants and demands the governmental protection and assistance that can be adequately extended only through a cabinet department of the executive branch of the government. We therefore heartily endorse the now national demand for a cabinet department of mines, first promulgated in past years by the California Miners' Association.

RESOLVED, That in view of the fact that so vast an acreage of the now recognized oil territory of the state has passed into the possession of railroad corporations as agricultural land included in the the railroad land grants, and the further fact that a large acreage of probable mineral oil land is included in the remaining unpatented lands within the railroad land grants in this state, we recognize the interest of the oil industry in the Mineral Lands Bill now pending in Congress, which contemplates a segregation of mineral and agricultural lands in such grants in this state, and we do hereby endorse and sustain the efforts of the California Miners' Association to secure the enactment of the said law.

RESOLVED, That in view of the fact that the rapidly expanding petroleum industry of this and some other western states finds itself frequently planted upon the public domain and so controlled by the mining laws of the land, the said industry shares in a considerable degree the general concern of the mining industry in the Federal Mining Laws. Hence we join in the long-standing demand of the western mining world for such a wise revision of the Federal Mining Laws as shall better adapt them to the needs of the miners.

RESOLVED, That we recognize the inestimable service of the United States Geological Survey to the mining industry in the fields of geology, mineralogy, topography, hydrography, statistics, general industrial reports, etc., and particularly its valuable aid to the petroleum industry. We recommend that special efforts be made by this and all organized mining interests and by our representatives in Congress to secure increased appropriations for the support of this important work that the rapidly growing mining industry may have its expanding needs more adequately served.

RESOLVED, That this Association again express its deep satisfaction at the justice of the policy and action of the Commissioner of the General Land Office Hon. Binger Hermann, in his suspension from agricultural entry of a large area of probable oil lands in this state, pending an impartial investigation of their mineral or non-mineral character, thereby preserving to the oil miners the mining rights which are theirs by both the letter and spirit of the laws.

RESOLVED, That from the Petroleum Miners of this state is due an expression of appreciation and gratitude to the State Mining Bureau for the attention and the large and valuable service of which the oil industry of the state has been the recipient, especially within the past two years. We urge continued liberal appropriations for the support of the bureau.

These resolutions were adopted by the Committee on Resolutions as part of its report and approved by the convention practically verbatim. The report of the committee on resolutions was prefaced by the following preamble and resolution which display the cordial spirit in which the representatives of the whole mining industry of the state look up the cause of the oil miner and welco ed him into fellowship:

WHEREAS, The California Miners' Association was organized, primarily, for the purpose of devising a method whereby the great industry of hydraulic mining could be resumed without injury to the agricultural and other interests; and, whereas, since that time the mining interest has broadened by the development of the copper and petroleum mining industries to such an extent that it covers practically the whole State; and, whereas, we recognize in the California Petroleum Miners' Association an ally of great importance in the development of the mineral industries of the State; therefore, be it

RESOLVED, That we welcome into the fullest fellowship our fellow miners who are doing so much to develop the petroleum mining industry of the State, and pledge to them our heartiest co-operation and support in every measure in which we may be of service to them.

View of the Great Kern River Oil Field, Looking East.

REED CRUDE OIL CO.

Now Producing Thirty Thousand Barrels Each Month.

This company was organized in June, 1900, with a capital stock of 2,000,000 shares at $1.00 each, all of which is issued. The company after its organization purchased all the property of the Reed Oil Company, and also provided a cash fund for the purpose of development.

The property purchased consists of the West ½ of section 34; the West ½ of the Southeast ¼ of section 34, containing 400 acres.

The Southwest ¼ of section 28, containing 160 acres.

The Northwest ¼ of section 32, containing 160 acres.

The West ½ of the Southeast ¼ of section 32, containing 80 acres.

The Northwest ¼ of section 20, containing 160 acres.

A thirty-year lease at ⅛ royalty on the Southeast ¼ of section 20, containing 160 acres. All this land being in township 28 South, range 28 East, Mt. Diablo B. & M., in the heart of the Kern River Oil District.

In addition to this the company owns the Southwest ¼ of the Northwest ¼ and the South ½ of of the Northeast ¼ of section 2, and the East ½ of section 14, all in township 29 South, range 28 East, M. D. B. & M., 440 acres.

Since acquiring this property, the company has completed on section 34 seven producing wells on section 28 twelve producing wells, and three nearly completed. On section 32 two wells and one additional well nearing completion. One well on the Southeast ¼ of section 20. These wells produce 30,000 barrels per month.

In addition to this the company has completed a 20,000-barrel storage tank, as well as a number of smaller tanks of 1000 to 1200 barrels capacity, and has just had completed a railroad line through section 32 into section 28, and has also erected a loading rack for the convenient loading of cars.

In the near future the company proposes to drill additional wells so as to bring its production to at least 50,000 barrels per month.

The company owns its property in fee simple, free from indebtedness, and all improvements have been paid for.

The officers of the company are as follows: Wm. G. Kerckhoff, President; Kaspare Cohn, Vice-President; T. S. Fuller, Secretary; J. F. Sartori, Treasurer.

The directors are: W. H. Perry, President of the W. H. Perry Lumber and Mill Company; W. G. Kerckhoff, Vice-President of the First National Bank of Los Angeles; Henderson Hayward, capitalist; West Hughes, physician and surgeon; Kaspare Cohn, of K. Cohn & Company; J. F. Sartori, President of Security Savings Bank; W. D. Woolwine, Cashier of Los Angeles National Bank; T. L. Reed, rancher, Reedly, Cal; T. S. Fuller, of the Golden Cross Mines. Among the stockholders, other than the directors, are the leading bankers, merchants and professional men of Los Angeles.

An Oil Flume in the Kern River field with riffles designed to catch the mingled sand.

Canfield Oil Company's 350,000 Gallon Tank, Kern River District.

Arizona Fields.

Arizona, as has been stated in the Los Angeles Herald, boasts three different oil fields, where operations have recently begun, with every prospect of a successful result. Texas, oil experts say, is full of oil and reports from that state continue to come in, showing a rapid increase in the production of the Corsicana field, and also extensions in different directions where development work is going on. Texas is already on the oil map to a large extent, and all indications point to extensive fields there at a very early date.

The first derricks were of poles, twelve feet base and from twenty-eight to thirty feet high.

GEO. W. McPHERSON.

The subject of this sketch is a native son of California, born in old Tuolumne in 1858. In 1876 he established himself in a manufacturing business in San Francisco, and for a number of years did the largest business in the city in his line. He was prominently connected with the Midwinter Fair in 1894, and three years later took up his residence in Randsburg, where he became secretary of the Rand District Board of Trade, receiving the compliment of a unanimous vote at the first election of the Board of Trustees, who would have found much difficulty in selecting a person more familiar with the wants of the district than Mr. McPherson. This is to be ascribed in part to his connection with the publication of the "History of the Rand Mining District of California." This is a publication which reflects great credit on the compiler, as it is spendidly got-ten up and arranged, besides being very fully illustrated with magnificent half-tones. It is doubtful if there is another mining town in the entire West which has received such a splendid advertisement, a remarkable tribute to the liberality and public spirit of its citizens, as well as to the ability, energy and perseverance of its promoter and publisher, Mr. McPherson.

George W. McPherson.

He is now engaged in the preparation of the "Resources of Kern County," which will doubtless be equal in merit to its predecessor.

Point Richmond Oil Co.

Capital Stock $100,000

BOARD OF DIRECTORS

Henry B. Russ, president, capitalist San Francisco; J. C. Martin, vice president, road foreman of engines, S. P. Co San Francisco, I. W. Taber, treasurer, president Taber Photo Co., San Francisco, A. Keller, director, agent S. P. Co., Alameda Point, J. O. Denny, director, journalist, San Francisco, S. D. Woods, attorney, member of Congress for Second District, California, Arthur Wheeler, secretary.

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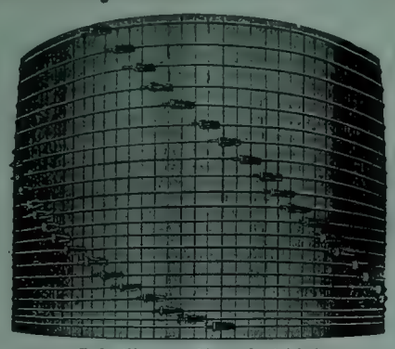

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Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.
We also have for sale or lease any part of section 26, township 32 south, range 23 east, Sunset District, on reasonable terms.

ROOM 625 LAUGHLIN BLDG.
LOS ANGELES, CAL.

FIRST OIL-BURNING ENGINE

(Continued from page 31.)

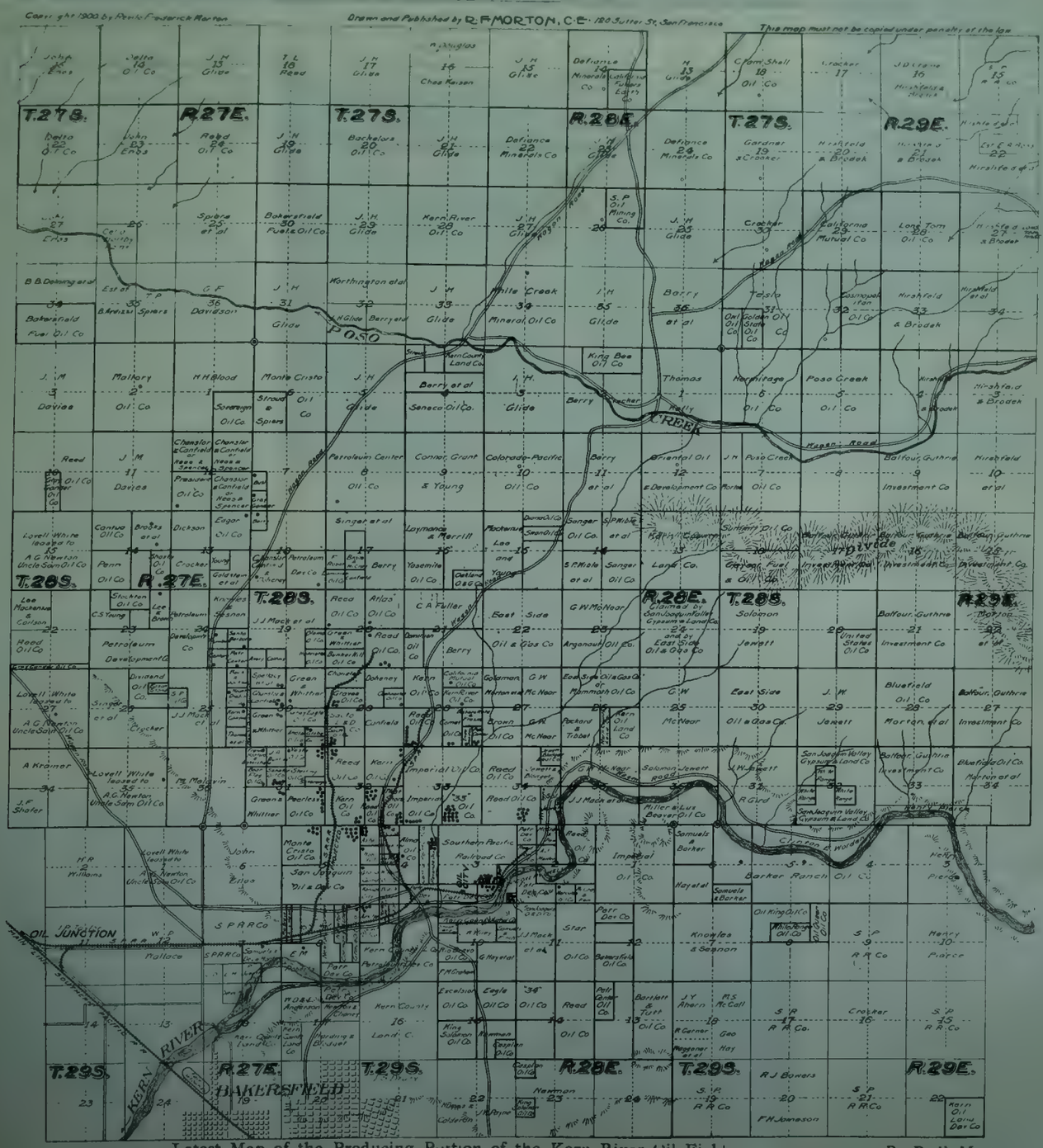
of the output from the general competitive market, with the effect that prices and confidence are sustained. The Southern Pacific company is rapidly increasing its consumption of fuel oil, being already a large consumer, and that this is so is due mainly to the experimental work and the demonstrated success of the Santa Fe with this fuel.

The practical use of fuel oil in locomotives began on the Southern California lines of the Santa Fe system in 1894. Petroleum had long been successfully so used for stationary and marine engines, and more or less experimental work in adapting it to locomotives had been done in the East, but the conditions of this use were so different in railroad engines and the difficulties so many, that economical success and practical use had never been attained. But in the year mentioned, the cost of coal and the availability of crude petroleum in Southern California prompted General Manager K. H. Wade and Superintendent of Motive Power G. W. Prescott, of the Southern California division of the system, to experiment with this fuel. A series of experiments was patiently worked out, by these gentlemen and others interested, at Santa Paula, Ventura county, and the result was unexpectedly successful, after much inventive genius had been called into play and many practical lessons had been quickly learned during the experiments. These experiments were described in general detail in the issue of the PACIFIC OIL REPORTER of October 26, 1900.

The result was that the Santa Fe at once began the use of petroleum as locomotive fuel on its South ern California lines, and has steadily increased its consumption until at the present time this company is by far the largest consumer of oil in the state. It has also turned its attention to developing its own supply, and has invested many thousands in producing wells, especially in the Fullerton district. It has made many large contracts with producers, and during the past summer has transformed all its engines in the San Joaquin Valley division into oil consumers, drawing largely on the output of the Kern river field.

A Successful Promoter.

One of the most attractive booklets yet published on the oil industry of California is that of Mr. J. R. T. Mershon, the successful oil promoter whose advertisement appears on the last page of this issue. The booklet is well illustrated with views taken principally from Kern county, and contains a great deal of desirable information. Mr. Mershon is one of the most successful promoters of oil companies in California and his success is due to his intelligence, perserverance, energy and to the fact that he is connected financially with many of the leading business men in this and other cities. In every instance stock which Mr. Mershon has placed on the market has rapidly increased in price, and those who have purchased it have invariably been benefited. Mr. Mershon is not only a seller but also an extensive buyer of oil stock, and his judgment has thus far invariably proved true. Stocks which he has bought at a very low figure are now worth much more than their purchase price.



Latest Map of the Producing Portion of the Kern River Oil Field By R. F. Morton

The Sterling.

This company has 160 acres of first class oil land near the San Joaquin. Five wells are completed and two more are in oil. These five wells easily average 100 barrels of oil a day each. The company has a complete plant with pumping jacks, storage tanks, Standard rigs, tanks, houses, etc. The stock of this company sold at the start for fifty cents but is now selling at $2.65 with a steady upward tendency. The credit for the success of this company, as well as that of the Sovereign, lately organized, belongs to William Ellery and H. H. Blood who are connected with the San Joaquin.

Pumping Jack of Sterling Oil Company. 'Photo by Aston

The San Joaquin.

This company, which is one of the most successful now in the Kern River field, is operating on a tract of 400 acres. It has fourteen wells now in oil and there are more than half a dozen derricks up in addition, waiting for the rigs to commence operations. Pumping is progressing from about one-half the wells in oil and the company is shipping about 700 barrels of oil daily which amount will be increased as the wells become finished.

When placed on the market this stock sold at fifty cents; in less than a year from that time it is selling at $9.20 a share.

Wells of San Joaquin Oil Company, Kern River District. 'Photo by Aston

All its land is oil-bearing land and the company will be able to drill new wells for many years.

A great share of the credit of the success of this company should be given to its president, John A. Bunting, who has been indefatigable in attending to all the affairs, great and small, of the San Joaquin.

Diamond Oil Company.

5423. (Coeymans, N. Y.) Will you please inform me if the Diamond Oil company, 417 Parrott building, San Francisco, Cal., is a first-class corporation, with good prospects of a profitable investment; is the district considered first-class, and the stock worth the price they are asking. $.75 per share? I thank you in advance for as complete and prompt reply as possible. Hon. E. D. Berri is president and Attorney W. W. Allen, secretary and general manager.

Ans.: The Diamond Oil company proves upon investigation to be one of the most substantial of the new oil corporations of the state. It has 640 acres of land in the McKittrick district of Kern county. The McKittrick district is good and it contains many oil wells. The wells generally run from fifty barrels to 100 or 150 barrels per day. The company is incorporated for 500,000 shares of stock at a par value of one dollar a share. It is not considered, in view of the extent of land which the company possesses, and the district in which it is located, that it is overstocked, and the stock at the present showing is believed to be worth 75 cents per share. The company owns the land. It is therefore not leased, which is the case of so many companies, as the result of which considerable of the gross output must be appropriated for licenses or rent. Another favorable feature is that the company is incorporated under the laws of South Dakota, which provide non-assessable stock. Stock furnished of the company is full paid and not subject to assessment. There is a great danger, especially to buyers of small blocks of stock, in investing in companies incorporated under the laws of California. These laws provide for assessments and it often occurs in mining and other companies that persons who have paid good money in good faith for their stock are deliberately frozen out by assessments: 150,000 shares of the stock was placed in the treasury, which is sufficient to raise all the funds needed to develop the property. The company is down about 900 feet on its first well and will, it is expected, be in oil within a few hundred feet more. The men comprising the corporation are all of high standing. General W. H. Seamans, the vice-president, is adjutant general of the State of California, and would not, we understand, connect his name with anything but a highly reliable corporation. W. W. Allen stands high as a lawyer of San Francisco; he is secretary and general manager—United States Investor, Boston, Mass., Nov. 17, 1900.

The Sovereign.

This company has 180 acres in Kern county. Though organized but a short time ago it has now two wells in oil and the derricks are up for ten more. It is operating two Standard rigs and will soon have more and will install a complete plant such as pumping jacks, storage tanks, houses, pumping plants, etc.

The stock started at fifty cents in October, in November went to seventy-five and by the time this paper reaches the public will be selling at one dollars Messrs. Ellery and Blood, the prime movers of this company, are gentlemen of great energy and have the confidence of the investing public as well as of the oil men with whom they have been connected.

Wells of the Sovereign Oil Company, 'Photo by Aston

KETTEMAN HILLS.

Development Work to Commence in Earnest in January.

Recently, Charles C. Crowley, John Ferrin and Frank C. abens, the president, vice-president and secretary and treasurer of the Kettlemen Hills Petroleum company, returned from an extensive trip through the Kettleman Hills

In conversation regarding the trip, Mr. Crowley expressed himself in the most enthusiastic terms. He visited nearly all the rigs which are in the Kettleman Hills district and those that are not now in active operation will be after the first of the year.

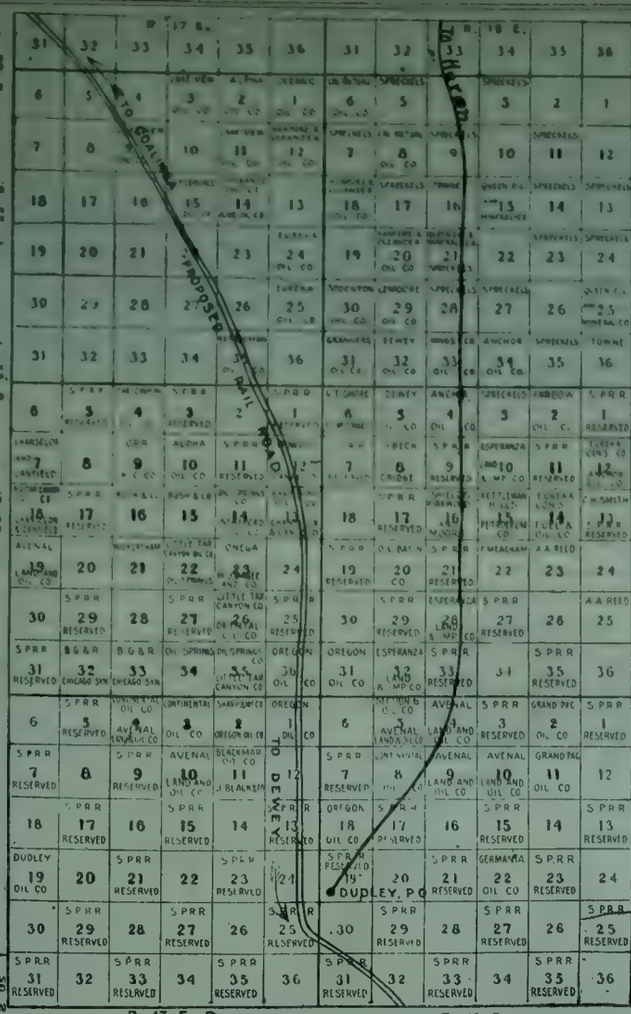
The gentlemen satisfied themselves that the experts who have given this district careful examination have by no means exaggerated its worth from an oil standpoint, the formations on every hand denoting the probable presence of petroleum at a reasonable depth. Nowhere are the outcroppings more distinct or more indicative of underlying deposits of crude petroleum.

The company now known as the Buena Vista, but which has heretofore been known as the Florence, are now down 1500 feet on a new well with very favorable indications for oil. The Esperanza company which abandoned its first well at a depth of 1100 feet are now down about 302 feet on another well about one quarter of a mile from the location of its first. Active operations will be resumed after January 1st. In fact, all along the line the reports were most favorable for the immediate commencing of active work under more favorable circumstances than have ever before existed.

The Kettleman Hills Petroleum company has 160 acres in this district being the west ¼ of section 15, township 23, range 18. The land lies directly in the main oil belt which extends along the western border of the San Joaquin Valley and which is pronounced by all experts to be the "mother lode" and the most prolific oil producing territory in the state. It lies directly between the Kreyenhagen and the Coalinga oil districts on the northwest and the McKittrick oil districts on the east and is practically an extension of the Coalinga strata from which the Home Oil and neighboring companies obtain thousands of barrels of high grade petroleum daily.

The land was purchased from the railroad and is patented by the United States government, making the title absolutely perfect.

The company is stocked at $200,000 with 200,000 shares at $1.00 each. Already enough stock has been sold to guarantee the expenses of drilling the first well, work on which is to begin about January 1st, and unless all the experts in the country are in error, the Kettleman Hills Petroleum company ought to strike a rich flow of high grade oil at or about a depth of 1500 feet. The company is officered by gentlemen who stand high in railroad and in business circles and there is no doubt but that its affairs will be managed both wisely and economically. The main office is at No. 126 Kearny street, room 53, Thurlow Block.



Map of Kettleman Hills Oil District

Rig of the Florence—Buena Vista Oil Company, Kettleman Hills, Kings County, Now down 1500 feet on Well No. 4.

The Diamond.

W. O. Hilbish, of the Diamond Oil company, returned from the East last week. He reports a very successful trip, especially in the way of making affiliations with bankers and brokers for the purpose of handling the stock of those companies with which he is interested, notably, of course, the Diamond Oil company. Mr. Hilbish reports that people in the East are anxiously inquiring as to the opportunities presented by California oil companies for legitimate investment. In spite of the fact that some people have been badly deceived by persons who sold them California oil stocks, at high rates, which stocks, however, were absolutely worthless, yet the demand for legitimate oil companies' stock is constantly on the increase. Mr. Hilbish reports that the Chicago Oil and Mining Exchange was about to make a thorough reorganization of the personnel of its board of directors and that when this is accomplished the Exchange will undoubtedly be of great value in disposing of our oil stocks. Similar exchan are about to be organized in other large Eastern cities.

Mr. Hilbish expects that within six months California oil stocks will be in great demand throughout the East, and that California will receive more legitimate advertising on account of its oil industry than it has ever received from its gold mining or fruit growing.

The Diamond well is being pushed through a difficult formation as rapidly as possible. There is an abundance of gas and the indications are increasingly favorable for an early strike of oil.

A SUCCESSFUL BROKE

Sylvain Salomon is one of the most active and most succes sfu members of the Producers' Oil Exchange.

Mr. Salomon has been engaged in the stock brokerage business for many years. When interest in the oil discoveries of Coalinga and in Kern county were first manifested Mr. Salomon foresaw how important would become the business in dealing in oil securities, and was one of the most enthusiastic organizers of an oil stock exchange in San Francisco.

For over a year his business has

Sylvain Salomon.

been on a steady increase, some weeks his sales amounting to more than twenty thousand dollars.

Mr. Salomon is one of the few brokers in oil stocks who sells on a margin, but his judgment is such that his customers invariably have found their stocks increasing in price, and have never yet had to respond to a call for "more mud."

Mr. Salomon believes that oil will be the most important industry in California, not even second to gold mining, and expects to see the California oil fields exceed in extent and in wealth those of the Eastern States.

Special Oil Maps.

The maps of Sunset, McKittrick and Kern River districts published in this edition were compiled and drawn by R. F. Morton, C. E. 120 Sutter St., who makes a specialty of issuing maps of all the districts for prospectuses, etc., He has compiled all government surveys of the entire belt and supplemented them with a large amount of private data so that oil companies in need of special maps can procure full and reliable data. In preparation are six maps each 30 x 42 inches covering the entire field from the "Panoche" to the "Sunset" as well as the "Kern River District." It is proposed to keep these maps constantly up to date and to that end arrangements have been made with "searchers" in the several counties for prompt reports of all changes of title.

The necessity for such maps are the crying need of the hour and they will no doubt be hailed by all the "oil men" a filling a long felt want.

IN SOUTHERN CALIFORNIA.

Sketches of the Great Oil Fields South of Tehachapi.

The petroleum production of the state was, with slight exceptions, afforded by that portion of the commonwealth lying "south of Tehachapi" and composing what is known as Southern California, until the recent development of the Kern River, Sunset, McKittrick and Coalinga fields on the borders of the San Joaquin valley, and the history of the industry is mainly bound up with Southern California until the story of the last year of the century begins.

The greatest field of the state is now the Kern River and other great fields of Central California are rapidly developing, but the story of oil production in the past is bound up with the Southern California fields, which are now expanding rapidly. Of the Southern California counties, Ventura is the oldest and most maturely developed; Los Angeles with its four fields is the greatest producer and Santa Barbara, with its Summerland field and its vast surface asphaltum deposits is the most unique one. In other Southean California counties oil indications and prospecting operations promise large future developments.

THE LOS ANGELES FIELD.

The greatest oil field in California was the Los Angeles field until the phenomenal developments by the Kern river gave the supremacy to that splendid district.

The Los Angeles field is still far ahead of any other field in the State in point of production and it has many features of special interest. Its present output is at the rate of about 1,000,000 barrels per year.

It is a picturesque field and a singular one in some respects. The geological formations which yield the oil are two strata of sandstones interbedded with clay and other formations, all tilted at an average angle of about 45 degrees. The upper sand is about 125 feet thick, 45 feet of it being productive, and the second sand is about 30 feet thick, all productive.

These tilted sandstone strata thus present an "oil line" from 200 to 1000 feet or from one to two blocks wide. These strata were not laid with reference to the future city of Los Angeles and it happens that this oil line transverses almost the heart of the city for a developed length of three miles, cutting through some of the choice residence portions of the city. As the properties are city lots, it was impossible for one company to secure a large tract and the conditions of ownership naturally resulted in a phenomenal crowding together of derricks along the oil line in the race for the oil, presenting a singular city scene, with dirty derricks crowding cottage roses and overshadowing churches and palaces.

Oil indications led to quite a number of efforts to discover oil, beginning in 1863, but development did not begin until the fall of 1892 when E. L. Doheny, now a leading oil operator of the state, with George Cannon, sunk a well with small capital and secured a small producer at 225 feet. This discovery and succeeding early developments started an oil craze in 1893 and in the first three years 300 wells were drilled. In 1896 the "eastern extension" of the Old or Central field was discovered and derricks soon crowded it. In the fall of 1899 the "western extension" was discovered, and now the oil line is developed for a half-mile beyond the western city limits. These new territories kept up the output as the first field declined. The highest mark was reached in 1897, with a product of about 1,400,000 barrels, according to local authorities. The output by years is given by good authorities as follows:

1893, 100,000 barrels; 1894, 400,000; 1895, 900,000; 1896, 1,200,000; 1897, 1,400,000; 1898, 1,182,000: 1899, 1,200,000; total, 7,182,000.

Professor W. L. Watts gives the number of wells drilled to June 30, 1900, at 1200, of which 663 were then producing as follows: Central field, 338 wells, 446,720 barrels; eastern field, 150 wells, 315,316 barrels; western field, 175 wells, 270,000 barrels. There were then 150 producing companies, owning from 1 to 63 wells. Many new wells are being drilled and the figures given above should now be increased.

The Los Angeles oil is a heavy oil of from 12 to 16 degrees gravity and is mainly used for fuel. An increasing proportion is being consumed by refineries.

Prices of the crude oil have varied greatly. The first product found a ready market at a good price. The sudden increase in production and lack of storage and a developed market put the price down to 25 cents a barrel in 1895. In 1897 it fluctuated between 50 cents and $1.65. In 1900 it reached $1.25, but the Kern river output reduced the price somewhat, and it is now about $1 per barrel at the wells. During several years the Oil Storage and Transportation company has had a strong influence in regulating the market.

The presence of such an industry in the heart of the city has naturally been attended with incidental difficulties, legal, municipal and private. The city has closely regulated it by ordinance and an official inspector enforces these regulations, collects the licenses imposed and maintains the cleanliness and restriction of offensive features contemplated by the law.

Unless there are unlooked for new developments, the field has seen its palmiest days, but it will remain an important field for years and the city will remain the center of the industry in Southern California.

THE FULLERTON FIELD.

The Fullerton field is one of the best of the oil fields of Southern California. It lies in Orange county just over the line from Los Angeles county and on the eastern slope of the Puente hills along which the Puente and Whittier fields are ranged. It lies just east of the Puente field and is practically one with it. It extends from Brea canyon east to the Santa Ana river, and is part of the great 25-mile oil belt along which the Los Angeles, Whittier and Puente fields have been developed.

The hills are steep, broken and barren. The strata dip at an angle of about forty-five degrees and both sides of the anticlinal fold are productive. The surface indications of oil are marked, there being many seepages and deposits of asphaltum. Efforts to find oil gave small results until in 1896-97 E. S. Doheny et al. put down a well and

FIG. M

View of an Extension of the Los Angeles' City District.

made a rich strike, thus proving the field. The lease was then sold to the Sante Fe railroad company which began and continued development on a large scale, securing a number of good producing wells.

This success early attracted oil operators and new discoveries stimulated the lively interest of capital. A number of strong companies early secured large holdings of oil lands and now about twenty are producing or drilling. The output of the field in 1899 was about 110,000 barrels and it is now larger. Several of the wells have been strong gushers at first, one flowing 1000 barrels a day at the start and nearly all yield largely to the pumps. Brea and Soquel canyons are now the most productive portions of the field, the limits of which are not well defined. The promise of a great increase in production lies in the probable development of new producing territory in the field, in the extensive holdings of large companies which are multiplying their wells and in the lively prospecting going on The Union Oil company early secured a large territory and became a producer and has laid a pipe line 26 miles long, connecting with its pipe line system to the sea.

The field produces two grades of oil, a heavy and light oil the gravities ranging from 14 to 35 degrees. The heavy oil is used for fuel, affording a considerable part of the Santa Fe's fuel supply and the lighter product which is one of the best refining oils in the state, is purchased by the Union Oil company and transported to its refinery on San Francisco bay. The Santa Fe has a spur track into the field.

WHITTIER FIELD.

This is one of the important and promising fields of Los Angeles county, lying in the western part of the Puente hills twenty miles southeast of Los Angeles, and running from the San Gabrie river eastward. It belongs geographically and geologically to the group including the Puente and Fullerton fields.

As in other fields of that region the wells have a high altitude, the derricks rising in lines from the hill tops and canyons, 1000 feet high. The oil bearing strata have a very steep dip, which, with the broken condition of the formations, makes prospecting rather uncertain. The field is traversed by three separate oil lines, which increases the probabilities of the future. The experience of the past few years has made operations easier.

As in many other California fields years elapsed after the first efforts at development before success was reached. Twelve years ago, the first deep wells were drilled, but the first successful development was begun in 1896 by the Central Oil company, now the chief producer, having thirty producing wells yielding 12,000 barrels per month. The success of the Central company, and the later oil boom put many new and strong companies in the field. The prospective oil territory has all been taken and many new wells are now being drilled. The Home Oil company is producing 5,000 barrels per month. The Union Oil company buys most of the product and plans a connecting pipe line. It is thought that the productive oil lines will be developed to a connection with the Puente field about five miles eastward

THE PUENTE FIELD

The Puente field of Los Angeles county is one of the important minor ones of the State. It lies in the higher elevations of the Puente Hills, a low range in the southwestern part of Los Angeles county, about 25 miles long, across the Santa Ana river from the Santa Ana mountains, a portion of it on the boundary between Los Angeles and Orange counties. The derricks and tanks of this field are striking landmarks of that region. It is north of Whittier and the highest elevation is 1600 feet. The range is much broken by canyons.

Geologically, the formations are interstratified sandstones, shales, and conglomerates, all generally impregnated with petroleum. Here is the unusual phenomenon of conglomerates affording two productive wells. The structure of the hills is complex and broken, exhibiting two sytems of folds, contorted and faulted. The formations are the same as those of the Whittier and Brea Canyon fields, to the east and west respectively. The oil-bearing sandstones dip about 45 degrees.

This field has been developed almost exclusively by the Puente Oil Company which began operations in 1891. It has 4,000 acres in the oil belt and has drilled 60 wells of which 50 are now producing, some of these being of those first drilled. In 1899 this field produced 120,000 barrels of oil and the total product has been 1,500,000 barrels. One well produced 50,000 barrels during its first year, a rate of about 140 barrels a day. The wells range in depth from 1200 to 2000 feet and the product is a light oil of 30 to 35 degrees gravity.

In 1894 the company made a long-term contract to supply the Chino beet sugar refinery with fuel oil, amounting to about 100,000 barrels per year, and a pipe line from the field to Chino, 15 miles was laid. In 1895 the company erected a refinery at Chino. The output of the field is steadily increasing and much additional productive territory promises to be developed.

THE NEWHALL FIELD.

The Newhall field is a novel and famous one, is the scene of widespread and very numerous prospecting operations, and gives large promise for the future. The

Los Angeles Pumping Plant, Pumping 26 Wells.

name is a general one applying to a large region in Los Angeles county, in the north slope of the San Fernando mountains about twenty-five miles northwest of Los Angeles. It is one of the oldest producing fields in the state and during 1900 has attracted much new attention.

The productive portions of the Newhall district are mainly in Pico, Placerita and Elsmere canyons—names that have become well known. The field has two notable claims to distinction. One is the remarkable persistency of the yield of its wells and the other is the extensive yield of a white oil refined by nature, unlike anything found elsewhere in the world.

The Pacific Coast Oil company developed the field mainly in Pico canyon, six miles southwest of Newhall, twenty years ago and is yet practically the only producer The first productive well was drilled in Pico canyon in 1875. In 1876 the California Star Oil company drilled the famous well No. 4, which has yielded 1,500,000 barrels in twenty-three years and is still steadily producing. In 1879 the Pacific Coast Oil company began operations in Pico and other canyons. It has steadily developed its territory and is now prospecting with renewed energy. The company has twelve producing wells in Elsmere canyon, and has thirty miles of pipe line in the field with forty-four miles of pipe line from Pico canyon to the sea at Ventura, from which point the product is shipped to the company's refinery on San Francisco bay. The company's product is about 150,000 barrels a year. The oils range from twenty-eight to forty-two degrees gravity.

During 1900 many new companies have turned to this field. One attraction has been the strikes of white oil in Placerita canyon. Some time ago two gold prospectors in sinking a shaft were driven out by a flow of gas. They turned to prospecting for oil and made the first discovery of this strange white oil. Later operators struck it also. During the past summer one company developed a remarkable flow of it, reported at about 100 barrels a day. This oil is as limpid, clear and white as a good quality of kerosene and burns readily in lamps as it comes from the ground. It is a natural distillate resembling benzine, evaporates very quickly and is worth from $4 to $5 at the well. It appears to be the product of a natural process of distillation from petroleum and has been confined by impervious strata, which have prevented escape or evaporation.

Several wells are now going down in Placerita and other canyons of the Newhall district, the prospecting operations extending over twelve miles.

A typical Southern California Oil Field amid anticlinal folds and arid hills and canyons 'Photo by W. L. Watts

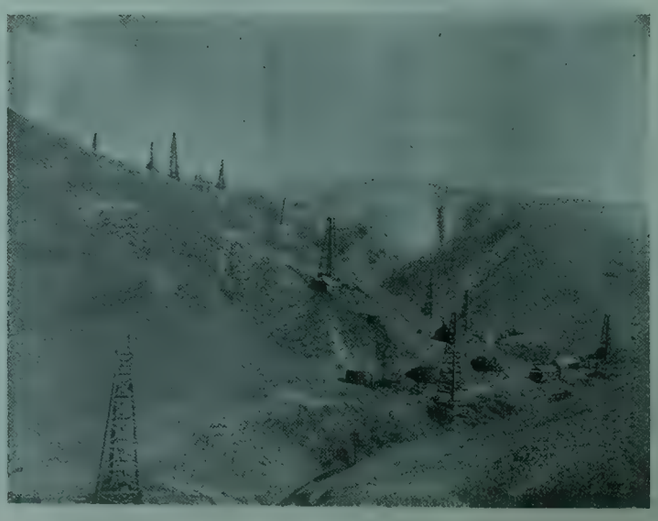
SAN DIEGO COUNTY.

In this county there are widespread evidences of bituminized formations, and the recent oil boom started many companies exploiting such territory. Several rigs are drilling or being erected along the ocean beach for sixty miles, and hundreds of mining locations have been made in the interior, extending into the Colorado desert. Attention is being given to oil indications along the Colorado river on the eastern boundary of the state. One well near San Diego has gone down 1000 feet. Prospecting is yet active but oil in profitable quantities has not been yet found and the future is problematical.

A remarkable surface exhibition on an overturned fold in Modelo Canyon, Ventura County. The strata here outlined once lay flat 'Photo by W. L. Watts

SAN LUIS OBISPO COUNTY.

This large county displays the most widespread asphaltum deposits of any county in the state, but all efforts to find oil in commercial quantities have failed. The county has long been an extensive producer of bituminous rock. For many years wells have been drilled for oil here and there, but unsuccessfully. During the past year a number of companies have bought or leased large tracts of land and several wells have been drilled with the old result. Many have the idea that all the oil deposits have been exhausted where the asphalt deposits show that vast quantities of oil have escaped to the surface but it is extremely improbable that this is the case and that there are not still confined by impervious rocks stores of oil as great as any of the many that have found vent. Geological structure and surface indications give strong promise of extensive oil developments in time.



The Central Oil Wells in the Puente Hills 'Photo by W. L. Watts

Craig Well, Humboldt County

The Lincoln.

The Lincoln Oil company reports most satisfactory progress toward oil on their property in section 14, 28-27 in the Kern River fields, where their rig is at work. The driller and his crew are pushing for the precious stuff for all they are worth, and as good wells and fine indications have been struck all around them, there is no doubt about the Lincoln finding what they are after and in paying quantities.

As evidence that others are of the same opinion and willing to stake their money on it, the manager, Mr. Edson states that he has been approached by oil men with the object of acquiring part of this company's property north of where they are drilling, for the purpose of sinking a well at once. Evidently Mr. Edson "picked" a good piece. Lincoln stock is selling readily and mail orders are coming in every day accompanied by checks and money orders.

This means business and rapid progress in drilling and with the assured good management of this company the stockholders will find that the Lincoln was well named. Besides their office in Oakland, the Lincoln Oil company is about to open an office in San Francisco to accommodate inquiries from this city.

CALIFORNIA ROCK-OIL CO.

Incorporated Under the Laws of the State of California.

Capitalization, $1,000,000. Number of Shares, 1,000,000. Par Value, $1 Each.

Location of Property—80 Acres Proven Oil Land in Section 28, Near Coalinga. 80 Acres in Contra Costa County. 700 Acres in Big Panoche District, San Benito County.

The development of crude oil in the State of California is no longer an experiment. It has been demonstrated that petroleum exists in large quantities in many parts of our State, and at this time it looks as if the development and production of oil would overshadow every other industry in the State of California.

OIL CITY and the adjacent territory, situated near Coalinga, in Fresno county, California, and especially section 28, lying adjacent to Oil City, is too well known to need more than to call the attention of the reader merely to its location. It is now a well-known fact that section 28 is at this time one of the best, if not the very best, oil producing sections in the State of California.

SECTION 28: The Independence Oil company, which was the pioneer in developing this section, has forty acres of land and now has four producing wells and the fifth in oil, is now shipping in the neighborhood of 300 barrels of oil per day. The "28" Oil company, also in this section, has three producing wells The Oil City Petroleum Company, also located in this section, has there producing wells and each of the above mentioned companies is pushing the work of development with all possible speed, and within twelve months from now without a question each of said companies will be producing not less than 1000 barrels per day. It has been demonstrated beyond doubt that underlying the whole of section 28 is an almost inexhaustible supply of petroleum.

THE CALIFORNIA ROCK-OIL COMPANY, to which we desire to direct the attention of the reader, controls 80 acres of said section 28, location of which can be determined by reference to map herein. The company began to develop this territory about the first of July, 1900, and in October struck the first oil sand at 1030 feet depth, which proved to be as prolific as any first strata of sand encountered on said section. The well is now being finished, and the company expects at an early date to have a paying output from well No. 1.

PIPE LINE: As an evidence of the enormous output of oil from section 28, the Union Oil company at an expense of more than $30,000 built a four-inch pipe line running from the center of section 28 to Oro Station, the nearest railroad point to said section, and large tanks of oil are daily emptied into this pipe line and conveyed to the railroad station, where other large tanks are located to receive the oil, from which it is conducted into oil tank cars.

BIG PANOCHE AND CONTRA COSTA DISTRICTS: The company also has other territory in other oil-bearing sections of the state, the most prominent of which are 700 acres in Big Panoche district, San Benito county, and eighty acres in Contra Costa county. These latter properties it is the intention of the company to hold for the time being, while devoting all its time and money to the development of its territory in section 28.

AN EXCELLENT INVESTMENT: The company has already expended some $15,000 in building roads, buying machinery and casing and drilling well No. 1. It is the intention of the company to sell a limited amount of stock in order to continue the development work, and this stock for the time being is sold to the present stockholders and outsiders alike at the low price of 20 cents per share.

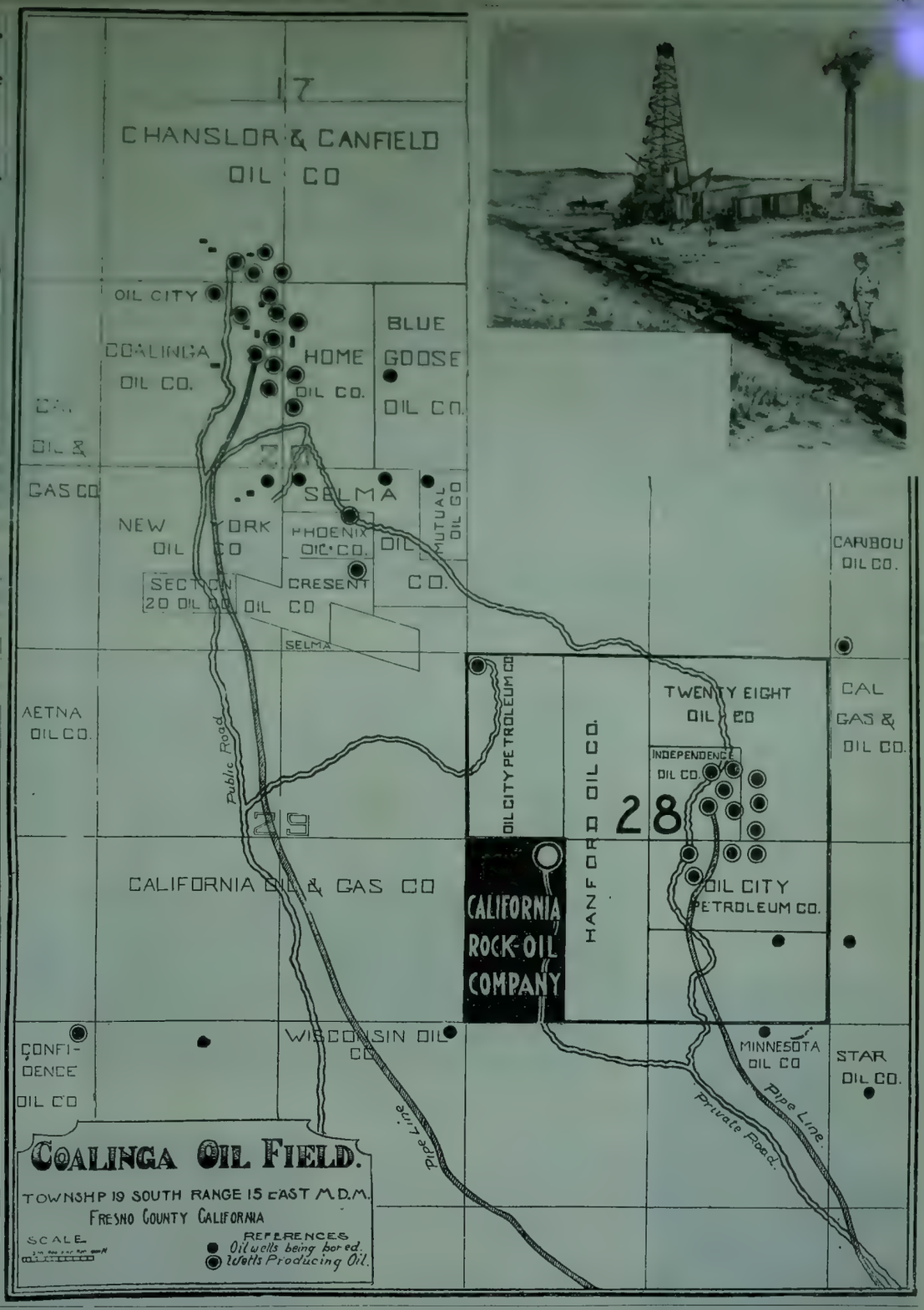
The company having at this time passed the experimental stage, purchase of this stock may be regarded as an investment and not as a speculation. Its lands in section 28 are proven as oil-bearing lands, and expenditures on same will in a short time produce splendid returns. Parties desirous of investing in oil stock would do well to consider the foregoing facts and invest in a company that has proven lands, thousands of dollars' worth of machinery and well casing and a well already over a thousand feet deep and in oil sand, rather than speculate in some oil company that is still but "on paper."

The officers and directors of the company are: Duncan Hayne, president; William Craig, vice-president; Victo F. Seawell, secretary; C. J. Tallon, J. P. E. Heintz, D. T. C. Perkins, M. E. Stanford; Union Trust company, treasurer.

The stock may be purchased through our authorized agents or at the office of the CALIFORNIA ROCK-OIL COMPANY.

SECRETARY'S OFFICE—616 Hearst Building, San Francisco, Cal.

MANAGER'S OFFICE—311-312-313 Hearst Building, San Francisco, Cal.



An Extensive Business.

Messrs. Mosteller and Allen, the hustling promoters of oil companies, whose offices are at 565-566 Parrott, building deserve a great deal of credit for the success they have attained in building up a business second to none among the oil company promoters of San Francisco. Their success lies in first handling stock of only those companies which are located in oil bearing territory and which are not over capitalized, also in the fact that their connections are such not only in the oil fields but but in San Francisco and in other commercial centers, that they are able to place stock for sale not simply before strangers but before men who have the greatest confidence in their business ability and honesty, and who are certain that Messrs. Mosteller and Allen would not ask anyone to purchase the stock of a company that was not worthy of confidence.

Messrs. Mosteller and Allen are not only operating very largely in Kern county, but also in other oil districts, particularly Monterey county, in which portion of the state they have the greatest faith on account of its possibilities of future oil production.

Customers of Messrs. Mosteller and Allen have invariably been satisfied with their purchases of stock, or of land, as they do not offer for sale anything which they are not able to guarantee as first-class in every respect.

SUCCESSFUL PROMOTERS.

How Two Prominent San Franciscans Have Succeeded in the Oil Business.

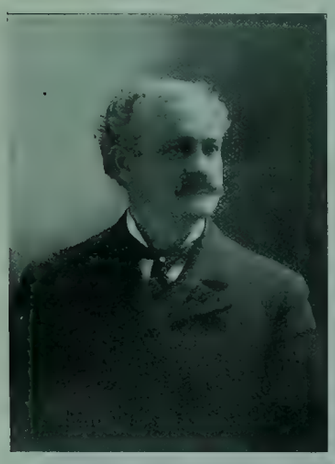
By Combining Intelligence, Honesty, Energy and Financial Ability They Have Sold Oil Stock to the Amount of One Million and a Half.

Two of the leading California operators in oil, and in fact in all matters pertaining to the oil industry of this state, are W. A. Jacobs and his son Fred A. Jacobs.

These gentlemen are the Pacific Coast representatives of the Germania Life Insurance Company of New York. Mr. Jacobs, Sr is a gentleman of independent fortune as is also his son who though young in years is certainly old in business experience and has to-day a fortune which can be written in six figures. Some time ago Mr. Jacobs, Sr., purchased a fruit ranch of about a thousand acres not far from the present oil districts of Kern county. His attention was called particularly to the possibilities of the oil industry of Kern county by being opportuned by a Kern county oil man to purchase a large block of stock of a Kern county oil company. He purchased the stock and later came to the conclusion that he would go into the oil business himself. Accordingly, Mr. Jacobs bought a large tract of land in what is now the proven oil district of Kern county, being in the heart of the Kern River district.

At that time, Fred A., the son, was in China, but as he had had considerable experience in exploiting stock companies, he returned to California and since that time has given his sole attention to the organization of new companies in the Kern River district and the placing of their stock in the east.

The first company organized was the



W. A. Jacobs.

Central Point which was first placed on the market about six months ago and within thirty days all the stock was disposed of principally through the efforts of Mr. Jacobs, Sr., Fred at that time not having arrived from China. With Mr. Jacobs was associated Mr. B. F. Brooks of Bakersfield, who also made large sales of stock.

Then the Wolverine and the Black Jack companies were organized, the Wolverine stock being sold here and the Black Jack being sold in the east through Fred. The stock of both these companies also was sold within forty days from the time they were first placed on the market.

That Mr. Jacobs and his son have had such success in the organization of oil companies is due mainly to the fact that they are themselves men of large means and also have associated with them in business and social life men, who like themselves, are of strong financial standing. In hardly an instance has any block of stock been sold which amounted to less than $1,000. The fact that these gentlemen have such faith in the district as to warrant them in purchasing large tracts of valuable land warrants other people of like means to invest with them, knowing that Mr. Jacobs would not be likely to ask them to invest their money in something wh ch he himself did not have entire faith in and had proved his faith in the proposition by first investing heavily himself.

The Alma Oil company was organized after the Black Jack and Wolverine. The company has 120 acres in section 4, 29-28 The stock of this company was all placed in thirty days,—$400,000. This company has now two wells completed, four more drilling, and will in time have probably 120 producing wells. These wells wil average over 200 barrels each a day. The company refused recently an offer of $6,000 an acre for 40 acres. The stock of this company cannot be obtained as it is held by a close corporation.

After the Wolverine and Black Jack companies had been disposed of the Messrs. Jacobs purchased the southeast quarter of section 19, township 28, range 28 and divided it into four equal portions. The first company to be organized from this newly acquired tract was the Henrietta which was taken east and sold within thirty days. On December 15th, Mr. Fred Jacobs started east with the stock of two new companies which have been organized on section 19, namely, the Olema and the Stephens. These will be placed in New York, St. Louis and Chicago.

The Messrs. Jacobs now own another 40 acre tract in section 19 and still another 40 acre tract in section 29.

To show the financial standing of these gentlemen it is only necessary to say that they made a flat offer of two million and a half dollars for one section of 640 acres in the Kern River district. Although the money was guaranteed the owner refused to sell at this price.

The fact that two million and a half dollars was refused for 640 acres proves the value of oil land in California.

Of the four companies organized by the Messrs. Jacobs, namely, the Central Point, Black Jack, Alma and Wolverine, the Central Point at first sold for 80 cents is now in demand at three dollars, and the Black Jack, Alma and the Wolverine, which started at $1.00, are now selling from $1.50 to $1.75.

The Central Point company has eleven finished wells and three more are now being drilled. This company is capitalized at $200,000 and is paying regular monthly dividends besides all development expenses.

The Black Jack and Wolverine are finishing their first wells, both being in oil. These companies are capitalized at $100,000 each which is a very low capitalization considering that their land is easily worth $200,000.

The Monte Cristo company a short time since actually refused $800,000 for eighty acres. The Messrs. Jacobs are now interested more or less in ten oil companies all located in the Kern River district, all being splendid properties, each piece being inside the proven district.

One fact which has proved of great advantage to the Messrs Jacobs in placing the stock of their companies is that they will give to any eastern man or corporation the money which has been expended in defraying the expenses of any competant expert from the east to examine the oil land in question provided that this expert reports unfavorably on the land. As yet the Messrs. Jacobs have not had to defray the expenses of any expert.

At present there is not a share of the Alma, the Wolverine, the Black Jack or the Central Point Oil companies with which these gentlemen have been connected for sale; others, namely, the Henrietta, the Olema and the Stephens will be taken off the market within forty days as before that time the stock will all be sold.

The Messrs. Jacobs can congratulate themselves on the fact that every person who has invested their capital in any one of the oil propositions advanced by them has been financially benefited by so doing. In no instance has the price of stock been lowered, but on the other hand it has advanced, so that the stockholders of all the companies formed to operate on the land obtained from the

Fred A. Jacobs.

Messrs. Jacobs feel perfectly satisfied.

The latest returns from the wells are that Alma well No. 2 one day last week pumped 45 barrels in 45 minutes. This well is down over 800 feet. Alma wel No. 1 is down 860 feet and Alma well No. 3 is down 400 feet in rich oil sand.

Well No. 2 of the Wolverine Oil company is in rich oil sand at a depth of 708 feet.

Well No. 1 of the Blackjack company is now being perforated.

The Lima oil is black and looks considerably like the Bakersfield oil, but is not so heavy.

Central Point Oil Company.

A California Oil Tank.

KING PHILLIP OIL COMPANY

A SUB-COMPANY OF THE
OCCIDENTAL OIL CO.

NOW DRILLING

Upon Section 9, Tp. 10 N., R. 23 W., S. B. M., in the well known oil district of Kern County

The Stock of this Company Cannot be Assessed

And is selling at 30 cents per share

Call or write for a Prospectus

DR. C. E. HAILSTONE, Secretary,
470-471 Parrott Building, San Francisco

San Jose Petroleum Co.

Fresno-San Benito District

Pronounced by Experts the Best Oil T rritory in California

The formation is just right, is uniform and unbroken. Oil is in abundant quantities. Largest wells in the state being found in this belt. Quality of oil is finer and more valuable than in any other portions of the state.

Keep Your Eye on Fresno and San Benito counties

They will produce more oil in the next five years than any other two counties in California. The San Jose Company is composed of men of sound business judgment and integrity, being among the most conservative, progressive and active business men of the city of San Jose.

200,000 Shares placed in the treasury for development purposes. COMPANY OUT OF DEBT—MONEY IN THE TREASURY. The company has 800 acres of land.

No Royalties to Pay

If you contemplate buying oil stock, remember many companies pay 10 to 50 per cent royalty to owners of the land. The San Jose Co. SAVES THIS HEAVY TAX TO ITS STOCKHOLDERS.

This company is a member of the California Petroleum Miners' Association, which is sufficient guarantee that its affairs are run upon sound and safe business lines.

A limited amount of stock is now being offered at the low price of 25 cents per share, but this will soon be all sold, when the price will be advanced, the company reserving the right to advance price without further notice.

H. W. CONKLING, President. L. A. SPITZER, Vice-President.
D. A. PORTER, Secretary. J. C. CONKLING, Gen. Mgr.

Office, Room 1--85 S. First St., San Jose, Cal.

Before Investing In Oil Stocks

Find a Company with small capitalization whose lands lie in a thoroughly proven oil field.

The Pacific Coast Oil and Development Co.

Office, 209 Hearst Building, San Francisco.

is such a Company. Prospectus, Maps and full information supplied at our office on application.

Will receive orders for a limited amount of Treasury Stock at 50 cents a share,

But reserve the right to cancel this offer without notice.

Pacific Coast Oil & Development C

The Flashlight Oil Co.

Capital $500,000 shares,—$1 each.

Owns 1200 acres in the best part of the the Oil City District, Fresno County The land to be developed first lies but two and a half miles from railroad station. No sand in the oil in this disrtict, the oil being of a higher, finer grade than further south.

Stock Non-Assessable.

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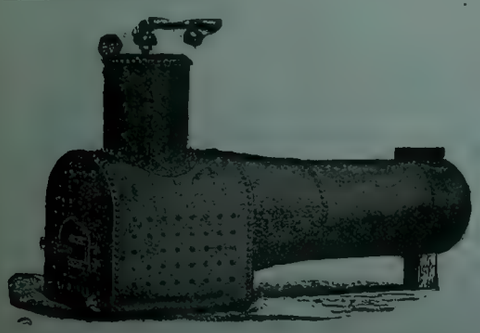

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PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

BUTTE.

An oil company has been organized to operate on the Wicks ranch near Oroville. A well is about to be sunk with a nine and five-eighths string of casing.

Nine thousand acres has been secured by an oil company near Oroville. It will lend its support to the operations of another company, which will drill near the line between them.

FRESNO.

The Blue Goose company is down 2,100 feet, with no oil.

The Confidence is completing its second well.

There are now seventeen derricks on section 28, Coalinga field.

There are now ten large producing wells on the section around Coalinga, and five rigs at work.

The Twenty-eight has just completed its third well, which will probably be the largest producer on the Coalinga section.

The Corona is down about 400 feet in the Coalinga field and the Ajax about the same depth.

The Independence has struck the first oil sand in its fifth well at Coalinga and will complete it next week.

The Hanford Oil company is down four hundred feet at Coalinga and expects to strike the oil sand the latter part of the week.

The recent rains made the Coalinga roads impassable, but they are rapidly drying and getting in good condition.

The two-inch pipe lines connecting the Oil City Petroleum and Twenty-eight companies with the main pipe line is being replaced with four-inch pipe, as there is not sufficient fall to operate successfully with the smaller size.

The Oil City Petroleum company has just completed its third well at Coalinga. It will be connected with the pumping jack the middle of this week. There is 225 feet of oil in it.

The pumping jack put in by the Oil City Petroleum company is working smoothly. It is propelled by a fifteen-horse power engine using natural gas from the wells for generating power.

The Caribou, operating in the extreme southwest corner of section 22, township 19, range 15, has struck the first oil sand and on account of the heavy flow of gas has been unable to operate at night. It has suspended for a few days, waiting for casing. This well is of more than ordinary importance, as it strikes the oil sand further east than any of the other companies operating in that district.

GLENN.

A new mineral district has been formed in Colusa and Glenn counties.

Two rigs operating near Elk Creek, Glenn county, are going down about fifteen feet a day.

The Glenn County Oil and Coal company has commenced drilling. No casing is being used at present, as the formation is a hard sandstone.

The Great Northern Oil company has been going through blue and black shale of a crumbling nature, which caused delay from caving. They are now awaiting casing.

On the Miller place near Orland natural gas has been found in an old well which burns for twenty-four hours. A company has been formed to prospect the property for oil.

KINGS.

Most of the oil companies around Oceanic are suspending operations.

The Acme Oil company is preparing to put down another well south of Oceanic. No. 1 struck water.

Development is progressing on the Lady Bryan Development company's well.

KERN.

The Brown lease on the SE¼, 28-27, is on a one-seventh royalty.

The Lucky Boy, 31, 32-24, Sunset field, is down 300 feet.

Seven hundred and fifty dollars an acre is the price paid for twenty acres in 14, 28-27.

The Blinn well on 4, 29-28 is ready for perforating and is said to be a good well.

The Aztec has reached good sand at 900 feet in their No. 9.

The oil from the McKittrick company's well is said to be remarkably free from water.

The tankage of the Sunset King on 19, 11-23, is full, and work is shut down for the present.

On section 9, 29-28, oil has been struck with over sixty feet of sand at 430 feet by the Aladdin Oil company.

The NW ¼ of 16, 29-29, has been leased by the King's County Oil company on a one-eighth royalty for five years.

A rig is going up on the SE ¼ of the SW ¼ of 35, 12-24, near the Jewett-Blodgett-Beale well.

A rig is being moved in by the Gold Dollar on its lease adjoining the Monarch, and is being located close to the Monarch No. 1.

On section 30, 28-28, the Mt. Diablo has its 7⅝ casing in good sand at 1100 feet.

The lightest oil in Kern county is from the Sunset Diamond, a short distance north of the Jewett & Blodgett works. Its gravity is 28 degrees B.

The Superior Development has leased a quarter section in 20, 32-24.

Citations have been issued to the defendants in re Cosmos Oil company to appear before the Circuit Court of Appeals.

The El Dorado is shipping three carloads a day, and this will soon be increased.

The Caspian, which stopped work several months ago, is getting ready to pull its casing and sink a new well.

The Kern King is preparing to drill on 15, 29-28. It also will have rigs on 11, 30-21, at McKittrick, and on 29, 29-31, in the Temblor field.

Six hundred feet without casing is the depth reached by the Commonwealth on 32, 28-28, when caving set in and work was suspended for a time.

Well No. 3 of Globe has cleaned out most of the sand and is now producing 170 barrels.

Assessment work is being done on oil properties of Chanslor and Canfield in the Midway.

Section 20, 32-23, in the Midway field, has been leased by J. W. Jamison on a one-eighth royalty.

An excursion from Marysville to the Bakersfield oil fields is scheduled for a early date in January.

Three 35,000-barrel tanks of the Standard Oil have had their sites located on section 17, at the present railroad terminus at McKittrick.

The twenty acres bought by Colin Stewart on 29, 28-28, is to be held for speculative purposes.

The Buena Vista of South Dakota has leased eighty acres from the Bachelor in 22, 11-24, and will proceed to develop.

The report that the El Dorado ha had difficulty about title is without foundation. The rumor has had a depressing effect on stock.

The deepest well in the Kern River district is the Edgar, recently completed in 18, 28-28 at a depth of 1350 feet, with 200 feet of oil sand. It is now ready for perforation.

The oil rose to the surface of the Kern Canyon well on 24, 28-27, when it was perforated and put on the pump. The well has 300 feet of sand.

The arrangement made by the Giant to have their oil piped by another company is off, and some other means must be found to get it to the railroad.

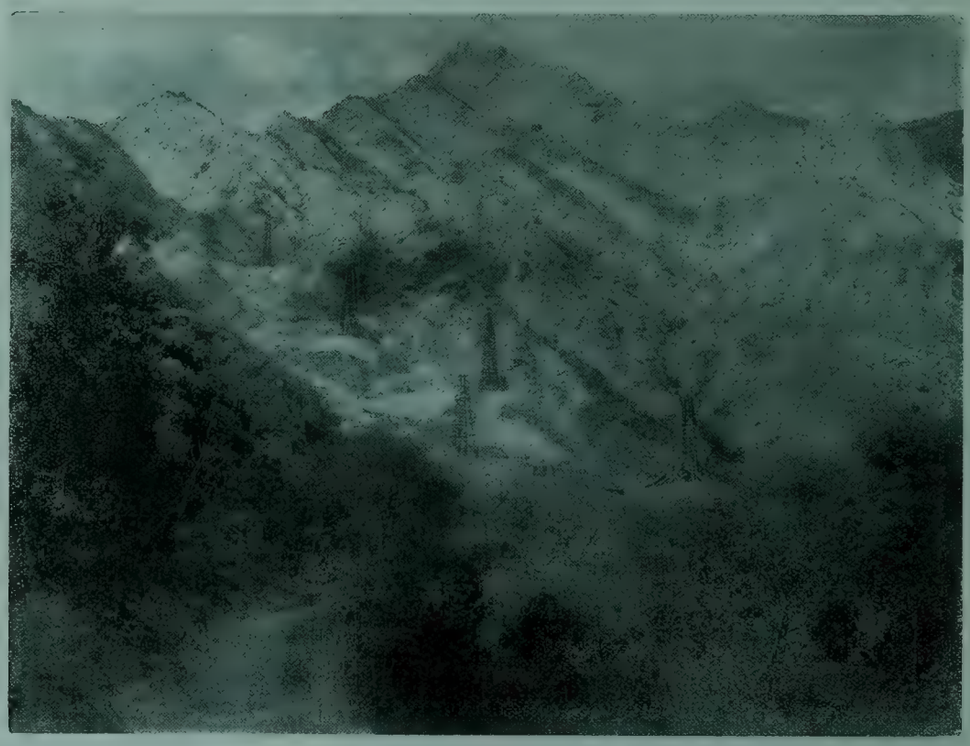
The Arcola well in Sunset has flowed from between the casings at the rate of 400 barrels in forty-eight hours. Tanks are being constructed rapidly, and meanwhile the oil is being stored in a reservoir.

No. 2 of the Mt. Diablo, operating on 30, 28-28, is down 900 feet with eleven and five-eighths casing. A string of nine and five-eighths will now be put in. Several big holes of a similar character are now being drilled in hope of reaching the lowest oil stratum.

LOS ANGELES

It is reported that the Pacific Union company has struck a vein of oil four miles north of Los Angeles.

A well of the California Standard in the local field has been cleaned and



Modelo Oil Wells, Ventura County. Photo by W. L. Watts.

A good showing is reported by the Commonsense at Temblor.

Black shale has been found at 720 feet by the Lone Star on 32, 12-24.

Kern River No. 2 at McKittrick has been flowing for two weeks.

The Acacia is drilling on the SE¼ of 10, 29-28, south of the river.

The Central Point is paying two per cent a month dividends.

Well No. 10 of the Central Point is pumping 125 barrels and No. 11 is on the pump.

The first sand has been struck by the Golden Gate on 34, 12-24, near the Jewett-Blodgett-Beale.

The proposition of lighting the city of Bakersfield with natural gas from the field is under consideration.

A new rig is being put up by the Provident on the N ½ of the NE ¼, section 25, 28-27, lately bought for $2,500 an acre.

deepened out and is now going 75 barrels.

The Rice Canyon Oil company has completed No. 3.

The new well of the Warner Oil company has been completed.

The College oil company has completed twenty wells and is drilling on No. 21.

The Yukon Oil company has begun spudding on another well near Nob Hill.

Shirley & Co., have commenced to drill on No. 6 in the Belmont Park grounds.

Phelps & Beveridge have completed their No. 2. It is showing up a good producer.

The Union Jack company is placing the machinery and will start the drill on No. 3 next week.

The Young & Johnson well on Newhall street is being put on the pump and will make a good producer.

Mrs. Mary E. Cake has purchased the property of John Brown on Vermont avenue, including two producing wells.

The San Gabriel Electric Light company has completed No. 3 on the corner of Fourth street and Vermont avenue.

The Union Petroleum company, corner Ramona and Alpine streets, has put No. 3 on the pump and begun work on No. 4.

The Home Oil of Whittier is pumping the head off of No. 10 and will begin on No. 11 soon.

NAPA.

A light flow of oil is found on the 900-foot level of the Knoxville mine in Napa county. It is used by the miners for lubricating oil.

Samples of oil of good quality have been taken from the Swift ranch near Monticello in the Zem Zem country.

SANTA BARBARA.

On Sunset No. 24 oil is expected at 430 feet. It is now down 280 feet.

A new 70 horse-power engine has been put in by the Seaside company at Summerland.

The Castle Rock plant of five wells has been sold to M. H. Sinclair of Los Angeles.

The McCall strip, containing forty feet frontage adjoining the Becker plant at Summerland, is reported sold, and will be developed for oil purposes. This is the last undeveloped property in the present beach field.

Three hundred and twenty acres of the Hope ranch have been leased for development purposes.

ORANGE.

The Carbon Canyon's new well, located 2½ miles northeast of the Olinda, is improving with depth, and will be ready for the pump in two weeks.

It is reported that work will be abandoned on the Edison Oil company's well in Brea Canyon. Nothing has been done on it for several months.

Oil sand is reported at 770 feet in the Standard Crude Oil in La Habra valley.

Drilling will begin soon on the Hole ranch in La Habra valley.

A new well will be sunk by the Puente Crude Oil company about three miles east of the abandoned well.

In Brea Canyon the Crown Oil company has struck oil indications at about 1360 feet.

Forty feet of oil were in the well of the Menges Oil company in Brea canyon recently. The well is 850 feet deep.

Since the strike of the Carbon Canyon Oil company, the Fullerton-Sunset has moved a rig on the adjoining property, and the Globe will soon begin work in the same neighborhood.

SAN BENITO.

The Topo Oil company has been organized. It will operate on the Topo ranch.

A depth of over 450 feet has been reached by the San Benito County Oil company with a eleven and five-eighths casing.

The Star Anticline Oil company, operating in the Bitterwater district, has drilled about 180 feet. The drill is penetrating black shale. The Bee says there is so much gas in the well that instead of blowing the engine whistle to begin or cease work the foreman explodes the hole by putting down a lighted paper. A loud report is the result. The driller expects to find oil at any time.

VENTURA.

A San Francisco tugboat company has been engaged by the Union to tow the oil barge Santa Paula.

A meeting of the Union Oil company was held at Santa Paula on the 18th, to consider an increase of the capital stock from $5,000,000, on a basis of 50,000 shares to $10,000,000, with 100,000 shares.

In Timber canyon a twenty-barrel well has been completed by the Empire.

Drilling will be done on the O'Hara tract by Los Angeles operators.

A depth of 1400 feet has been reached by Langdell, Rowan and Newmark on Sulphur Mountain. Little oil has been found so far.

Negotiations are pending for the sale of the Argonaut Oil company's property, consisting of 5000 acres north of the Ventura River.

A company of Anaheim people has been organized to drill on the Christian place, near Ventura.

No. 16 of the Buckhorn Oil company, just completed, is good for 100 barrels.

Three hundred feet of oil sand is reported in the well of the Western Union on the Carrenga ranch. The well is 1600 feet deep.

The Whittier-Fillmore Oil company are reported to have a good showing at 620 feet with a 9⅝ hole, but are still drilling.

The Uncle John Oil company has received another carload of well casing. They are down 500 feet now.

The Nueva Cannulos Oil company has taken up the machinery and abandoned its lease for the present.

The Santa Paula Home Oil company are down about 500 feet on their well on South Mountain, with good prospects of oil.

Jewett & Blodgett's Refinery, Sunset District, Kern County. Photo by Aston.

The Central Oil company at Whittier is putting up the derrick of No. 30.

Machinery will be put on the property of the Reliance Oil company on Welcome street for their two new wells.

Well No. 2 of the Warner company of Whittier has increased from 130 to 200 barrels since last October.

The Warner Oil company is building a 1000-barrel tank at Evergreen station near Whittier.

The Westlake is running three strings of tools on Nos. 42, 43 and 44. Its present output is 450 barrels a day.

The Newhall Oil company in Rice canyon is down 650 feet, and is through a good oil stratum.

The Whittier Consolidated is down 900 feet, and the water has been successfully cased off.

The Murphy Oil company of Whittier has completed its derrick for No. 9 in the eastern style, with engine room closed in.

On section 24 the Whittier Oil and Development company is down 380 feet, with good indications.

A foundation for the boiler belonging to the Central Oil company's pumping station is going in.

The Turner has finished drilling out a pump from its No. 3, and will resume work on its No. 5 and commence on No. 6.

Well No. 31 of the Sea Cliff company at Summerland has been finished.

The Marine Oil company has arranged to put down another prospect well on their Gaviota lease.

The Diamond Star has erected a drilling derrick on its property in the west end.

Suit has been brought by F. W. Samuelson and others against S. W. Knapp, a prominent Summerland oil operator. It is charged that Knapp paid $20,500 for the Marine Oil company's property at Summerland, and represented to his partners, who furnished this amount, that he had paid $27,000 for it. Knapp's partners, according to the complaint, believed his statements that he had furnished $7000 of the purchase price, and gave him 40,000 shares of stock, representing a fourth interest, for which they now ask judgment. Mr. Knapp denies the charges.

SOLANO.

The incorporation articles of the Vacaville Oil company have been filed in Phoenix, Arizona. The law requires that an office of the company be established in some town of the territory.

The Champion Oil company, composed principally of Benicia people, has filed articles of incorporation.

YOLO.

A carload of derrick timbers has arrived at Guinda for the Yolo Oil company. The well site has been selected on the Pase & Cramer range.

Articles of incorporation were recently filed at Woodland by the Mt. Shasta Oil and Development company, but no work has been done so far on their Yolo leases.

CONTRA COSTA.

There were fifteen leases to land filed with the recorder of Contra Costa county in one afternoon last week. The leases control over 2500 acres of land located between Brentwood and Byron, on a one-eighth royalty. Work is to be commenced within one year and prosecuted vigorously by the lessees, who are experienced oil operators from West Virginia.

According to the London Financia News, the Standard Oil company has been negotiating with the government authorities in Roumania for some time past with a view of acquiring the oil bearing lands held by that government, and the negotiations had concluded satisfactorily and that an agreement for leasing the land had been signed. The price of the concession which gives the Standard a monopoly in sinking oil wells in Roumania, is said to have been $7 000,000.

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Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, December 16th

BURLINGTON

100 at	17	17 00
100 at	18	18 00

CALIFORNIA STANDARD.

1500 (B30)	36	540 00
1700 at	36	612 00
3550 at	35	1242 50
500 at	34	170 00

CARIBOU.

200 at	57	114 00
715 at	55	392 25
1300 at	60	780 00
100 at	53	53 00
200 at	52	104 00

EL DORADO

[illegible] at	1 65	165 00
100 at	1 55	155 00

FOUR OIL CO

100 at	52	52 00
200 at	46	92 00
100 at	47	47 00
200 at	48	96 00
200 at	49	98 00
4500 at	51	2295 00
1200 at	50	600 00

HANFORD.

7 at	120 00	840 00

HANFORD-FRESNO-KERN RIVER.

100 at	41	41 00
300 at	43	129 00
100 at	38	38 00
850 at	40	340 00
200 at	44	88 00
1500 at	42	630 00
1500 at	45	675 00
700 at	46	322 00
1700 at	50	850 00
1250 at	51	637 50
700 at	53	371 00
100 at	54	54 00

HOME OIL.

200 at	4 30	860 00
50 at	4 45	222 50
1350 at	4 15	5602 50
300 at	4 25	1275 00
1050 at	4 10	4305 00
8700 at	4 00	34800 00
1975 at	4 05	7998 75

HOMESTAKE.

45 at	10 50	472 50

INDEPENDENCE.

100 at	22	22 00
1000 at	23	230 00

JUNCTION.

200 at	64	128 00
500 at	65	325 00

KERN OIL.

50 at	9 50	475 00

KERN RIVER.

40 at	16 50	660 00
10 at	16 75	167 50
55 at	17 00	935 00
10 at	17 25	172 50

LION.

1300 at	25	325 00
600 at	26	156 00
1000 at	27	270 00
1000 at	28	280 00
100 at	31	31 00

MONARCH OF ARIZONA.

2450 at	40	980 00
500 at	41	205 00
250 at	42	105 00
500 at	43	215 00

McKITTRICK CONSOLIDATED.

1600 at	42	672 00
100 at	38	38 00
2050 at	40	820 00
200 at	43	86 00
1000 at	45	450 00
300 at	50	150 00

MONTE CRISTO.

500 at	1 50	750 00
100(B30)at	1 55	155 00
600 at	1 55	930 00

OCCIDENTAL OF W. VA.

100 at	63	63 00
700 at	65	455 00
100(S90) at	65	65 00
200 at	66	132 00
100 at	67	67 00
100 at	68	68 00

OIL CITY PET

30 at	30 00	900 00
10 at	30 50	305 00
10 at	31 00	310 00

PETROLEUM CENTER.

9663 at	20	1932 60
1700 at	21	257 00
200 at	22	44 00

REED CRUDE.

100 at	49	49 00
2000 at	50	1000 00
3000 (S2)at	50	1500 00
12000 at	51	612 00

SAN JOAQUIN

150 at	9 12½	1278 75
29 at	9 00	261 00
480 at	9 25	4440 00
100(B5) at	9 25	925 00
40 at	9 37½	375 00

S F & McKITTRICK

200 at	1 50	300 00

STERLING O & D CO

145 at	2 35	341 75
50 at	2 50	125 00

TWENTY-EIGHT

100 at	2 30	230 00
700 at	2 35	1645 00
116 at	2 [illegible]	288 40

WOLVERINE.

1000 at	1 40	1400 00
200 at	1 50	300 00

WEST SHORE.

100 at	3 25	325 00

YUKON.

10 at	52	5 20
1000 at	55	550 00
Shares 79880	Amount	$98,777 20

The Esmeralda.

A. Kingsbury, the general agent of the Esmeralda Oil and Development company, reports matters connected with this company as being very satisfactory. The drillers are making good progress on their well and the stock of the company is meeting with a ready sale. The gentlemen who are the officials of the Esmeralda Oil company are well known in business circles of San Francisco, the president of the company being H. S. Field, of Hammersmith & Field, the jewelers of Kearny street, and the treasurer being R. R. Haskell, the wholsale jeweler, of the firm of Haskell & Muegge.

S. S. Simon.

The accompanying reproduction of a photograph of Mr. S. S. Simon, the oil expert, is characteristic of the gentleman. Mr. Simon is one of the most energetic oil men operating in the oil districts of California. He was one of the original locators of the Occidental Oil company and, in fact, one of the real discoverers of oil in the Sunset district of Kern county. Four years ago he demonstrated the presence of oil in the Kern River district and though laughed at on account of his predictions of oil, continued in his attempts to develop the district and much of the credit of developments in oil in Kern county in the last two years should be given Mr. Simon.

Mr. Simon is also a firm believer in the ultimate future of Monterey county as an oil producing district and has expended not only time but money in oil exploitations in the southern end of Monterey county.

Mr. Simon was born in Colorado and served as a page in the Senate of that state in 1876, Senator Walcott obtaining the position for him. He then became an extensive operator in mines in Colorado Coming to California, Mr. Simon was appointed Deputy Revenue Collector under John C. Quinn and came into considerable prominence on account of uncovering frauds in the opium and cigar traffic.

In San Bernardino county Mr Simon discovered the Fullers earth mine, which he sold for $15,000, thereby getting his first start. Recently he has been operating very extensively in oil lands, and has acquired a large fortune through his successful manipulations of oil stocks and the sale of oil lands. Mr. Simon has unbounded energy, push and personal magnetism, and is not simply an oil expert in theory, but has a practical knowledge of those conditions which prevail in districts where oil should be found.

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One of the most successful and enterprising brokers connected with the Producers' Oil Exchange is Louis Hagan, whose offices are at 415 Montgomery street. Mr. Hagan is one of the largest operators in oil stocks and oil securities in the state, and his clientage comes from all quarters, not only from California, but from the eastern states and from Europe.

W. A. SPINKS.

W. A. Spinks is one of the nerviest members of the Producers' Oil Exchange. He is a large holder of oil stocks, not only in companies in Kern county, but in the Coaling district, and the success that has attended the Caribou company in the Coalinga district is largely due to Mr. Spinks' enterprise and energy. Mr. Spinks is not only a success as an oil reporter, but is a billiard player of national reputation, being in the same class with Slosson, Schaeffer, and others of like skill with the cue.

Oil Field Photographs.

A large number of the splendid illustrations in this number are from photographs by F. C. Aston of Bakersfield, an experienced, skillful and enterprising photographer, who has given special attention to the oil fields of the San oaquin Valley region. He com-Jines artistic perception with bechnical skill, and his hundreds of late views of the Kern River, Sunset, McKittrick and other fields are the best obtainable anywhere.

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Location Los Angeles county.
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20,000 shares at $10
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Officers- Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president: W I Pixley. 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary: H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer, W M Walker, field superintendent.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital.....1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east, M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker
office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its tire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. I. Fair, J. C. B. Hebbard, Chas J. Heggerty, Chas. A. Lee, John C. McElroy.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location N ½ of NE ¼, S 28 T 28, R 28 E, Kern River District; N E ¼ S 12, T 27, R 26 E, Poso District Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par

EQUITABLE OIL CO.
Capital..... .....$500,000
100,000 shares at $5.
Location: Kern county: Southwest ¼ of section township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E F Whitney, Frank Du Bois, Geo W Magwood. Office—393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital..... $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

GREAT NORTHERN OIL CO. OF OAKLAND
Capital..... .....$250,000
250,000 shares at $1
125,000 shares of treasury stock,
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

JS POTTS OIL LAND AND DEV.CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Ca,

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice-president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

Great American Oil & Development Co.

OFFICERS AND DIRECTORS

M. C. Nunan - - - - - - President
D. H. Mosteller - - - - - Vice-President
M. L. Culver - - - - - - Secretary
C. W. Duffie - - - - - - - Manager
Daniel Meyer - - - - - - Treasurer
Frank Severio, J. F. Harris, F. H. Allen
J. L. Geary, Jr. W. H. Davis

The stock of the Great American Oil and Development Company is now selling for 30 cents per share. An amount sufficient to complete Well No. 2 will be sold at the above rate. Our machinery is all on the ground and is being put up as rapidly as a complete crew of expert rig builders can execute the work. State Mineralogist A. S. Cooper has experted our lands and says that we should strike a good well at a depth of 700 feet. The Great American has ample funds in its treasury to complete its first well.

MOSTELLER & ALLEN, Gen'l. Agts

565-566 Parrott Bldg. San Francisco

GRAND PACIFIC OIL CO.
Capital..... $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

HERCULES Oil CO.
Capital $100,000.— 100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Plagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital..... .....$400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital..... $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office: Room 435 Parrott Building, S. F.

MADERA CRUDE OIL CO
Capital.....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, west, S B B and M, Sunset district.
Officers and Directors: W C Tighe, president; Joe Bancroft, vice-president; J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building, Madera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr, F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street, St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

OCEANSIDE OIL COMPANY OF ARIZONA
Capital.....$375,000
375,000 shares at $100 each.
Location: 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.. ...par value, $1.00.
Officers: Wm. Crites, president: F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683,

ORIENTAL OIL COMPANY.
Capital.....$100,000
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county, Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager
Office. Room 506 Parrott Bldg., San Francisco

PETROLEUM CENTER OIL CO
Capital.....$500,000
500.000 shares at $1.00
Incorporated, October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-Pesident, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland,
Office—Room 29, Third floor, Mills building; San Francisco.

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street. San Francisco, Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr. J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices, 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president Allen Brant, vice-president; D A Porter secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SURETY OIL COMPANY.
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUNSET VORTEX OIL COMPANY

Capital..... $500,000

500,000 shares at $1.00 each

Incorporated, July 31, 1900

Land, 890 acres, in Sunset and Kettleman Districts.

Officers and directors—Ambrose Harris, secretary, Tyree A Bell, superintendent, John L Greer, San Rafael, W B Taylor, San Rafael, H C Campbell, Los Angeles, A H Beal, Paul Redfield, Lewis L Barrere, San Francisco, H L Gear, Frank N Stone, attorneys Germania Trust Company, treasurer.

Offices 611, 612, 613 Hearst Bldg, San Francisco

SALINAS OIL COMPANY—Incorporated October 4, 1900. Capital $1,000,000. Number of shares 1,000,000. Land 2000 acres in Monterey county. Officers and Directors—President W. S. McCarthy, San Francisco; vice-president, J. J. Gunn, Independence; treasurer, W. N. McCarthy; secretary, J. B. Olsen, San Francisco; attorney, Hon. Eugene F. Bert, San Francisco. Office—Room 581 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY

Capital stock, 500,000 shares, par value $1 each. 6000 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R. S. Aston, president; W. Dixon, vice-president; J. W. Crosland, secretary and treasurer; Wm. M. Landess, W. W. Kelly and W. G. Wallace, Attorney; C. C. Cowgill, Office, No. 17 Gaites block, Bakersfield, Cal.

THE RAVEN OIL COMPANY.

Capital stock $100,000 divided into 100,000 shares of the par value of $1 each. Location 160 by 100 acres in south half of south half of south half section 8, 28, 24, and lots 1, 2, 3 and 4 containing 303 acres, same section, Kern River district. Officers—Hon. John R. Aitken, president; C. H. Congdon, vice-president; C. H. Quincy, secretary; D. G. Overall, superintendent; Paul V. Finch, Bank of Bakersfield, treasurer.

San Francisco office—Hon. John R. Aitken, Chute building, 503 California street.

THREE STATES OIL CO. Limited.

Capital $1,000,000

1,000,000 shares at $1.

Location: 240 acres in McKittrick and Sunset Districts, Kern county.

Officers: Hon. John H. Shine, president; W. R. Thomas, 1st vice-president; T. A. Bell, 2d vice-president; Ambrose Harris, secretary; E. S. Tutt, Geo. E. P. Colgan, I. N. Pattison, M. F. Levy.

Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital..... $300,000.

Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F. Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO.

Capital..... $500,000

100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers: Claus Kroeger, president; A. F. Coffin, vice-president; H. C. Tilden, E. L. Dow, N. H. Eaton, I. F. Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone—Main 671

XLNT OIL COMPANY.

Capital stock..... $500,000

500,000 shares, par value, $1 per share.

Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3, township 19, south, range 14 east, M. D. B. and M.

Office—552 Parrott building, San Francisco, Cal.

YUKON CRUDE OIL CO.

Capital..... $250,000

100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J. Crocker, president; Wendell Easton, vice-president; W. S. Armstrong, secretary; J. L. Rathbone, E. W. Runyon, C. S. Benedict, Geo. Easton, Jno. F. Merrill, F. W. Sumner and Geo. W. Henderson.

Office 638 Market street, San Francisco

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In any Districts of Kern County

R. W. ELSOM & CO., 1910 Chester Ave.

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The Road to Wealth

Headquarters School and Government Lands.

Lands all counties in California. No conditions on School Lands as to residence or cultivation. Only $1.25 an acre. Locations in all Mineral Belt—Kern River, McKittrick, Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

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Wholesale and Retail Dealers.

A full stock of all kinds of lumber

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LOWEST PRICES

Bellingham Bay Imp't Co

22 MARKET ST., S. F. CAL.

'PHONE—MAIN 1963

OIL and DEVELOPMENT CO.

Casmalia, Ranch, Oil and Development Co.

Incorporated under the laws of California

Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be nodifficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

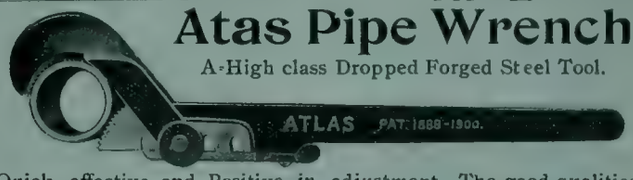
The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building where the President, C. C. Morehouse, or the Secretary, W. R. Jones can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

Atas Pipe Wrench

A High class Dropped Forged Steel Tool.



Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eigth of an inch wire to 4½ inch pipe. For sale by Hardware, plumbing and oil well supply Dealers.

ATLAS PIPE WRENCH CO. 51 Flood Building, San Francisco.

New York Office, 121 Liberty Street. Works, New Haven, Conn.

OIL—The Esmeralda Oil and Development Co.—OIL

We are Now Boring and Rapid Progress is Being Made.

As our test well struck oil at 32 feet it assures our future.

Free from Debt. Ample funds.

No salaries paid to officers,

Treasury Funds to Be Used For Development Purposes Only.

OFFICERS AND DIRECTORS.

H. S. Field.....President
W. J. Whitney.....Vice-President
R. R. Haskell.....Treasurer
P. H. Reynolds.....Secretary
H. S. Field.....Director
R. R. Haskell.....Director
J. C. Pascoe.....Director
W. J. Whitney.....Director
Chas. T. Behan.....Director
Crocker-Woolworth National Bank Depository

Since the organization of this company it has acquired 244 additional acres of fine oil lands in the Vallecitos District, San Benito County. This makes a total of 404 acres owned by this company. Capital stock 100,000 shares par $1.00. Treasury stock 40,000 shares. Limited amount to be sold. Stockholders are fully guaranteed against loss, as the officers and directors are men of wealth and integrity. Reference is made to the CALIFORNIA PETROLEUM MINERS' ASSOCIATION, San Francisco, Cal., or THIS PAPER.

A. KINGSBURY, General Agent. **565 Parrott Bldg., S. F. Cal.**

TELEPHONE—FOLSOM 1881.

The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem bits

Drilllers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different sized squares or suit different sized bits.

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J. Barrett, = Alleghany, Pa.

Kern River Oil Land.

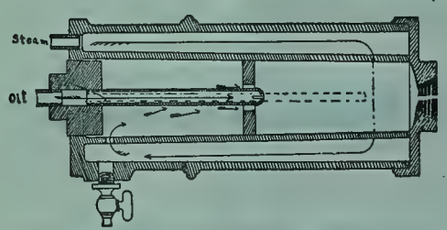
Proven territory on line of Railroad for sale. Splendid chanc or those about to form an oil oompany.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building

Pacific Coast Machinery Company



Dealers in Crude Petroleum for fuel and gas and manufactures of the Larkin Retort Oil Burner unequalled for economy and e se of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economical equipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil business we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company. If you are thinking of using crude Petroleum for fuel give us a call.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco

Kern Consolidated Oil Co.

Capitalized at 100,000 Shares
at Par Value of $1.00 Per Share

Our land comprises 840 acres, being all of Sec. 32 and 200 acres in Sec. 28 in Twp. 11 North, Range 24 West, S. B. M. This is in the heart of the famous Sunset District, Kern County, California. where have been recently drilled the BEST WELLS in Kern County. This company owns the land, having paid for it in full with 50,000 shares of its capital stock, the remaining 50,000 shares have been placed in its treasury, to be sold for developing the land. Drilling for oil will commence early in January, 1901 A block of **10,000 shares only** will be sold at the low price of 25 cents per share. After this is sold the next block will not be sold less than 50 cents per share.

We have large acreage and small capitalization. Some companies have only 20, 40 or 160 acres, with a capitalization of 500,000 shares, while we have 840 acres, with only 100,000 shares.

The officers and directors are all well known business men in the community, and an honest and economical management is assured.

OFFICERS AND DIRECTORS

A. A. FINK, Pres.	C. A. FULLER, Vice-Pres.	JAS. J. McKENZIE, Sec'y
J. H. DELAMONTE	P. J. LAVIN	B. B. LEE
JNO. P. SHERIDAN	A. R. McPHERSON	W. H. SIGOURNEY, Att'y

For further information call on or address the Secretary of the Company,

JAS. J. McKENZIE,
11 Montgomery Street, San Francisco, Cal.

OIL LANDS

I have a few choice pieces located in the oil belt of KERN, McKITTRICK and COALINGA districts that can be had at reasonable figures.

Will Bear Inspection

WM. D. MACKAY
1302 Claus Spreckels Building
Tele hone Main 5791 San Franisco.

Propositions Wanted For Boring Oil Well

2000 Feet More or Less.

VACAVILLE OIL CO.,

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318 Pie St., Rooms 7 & 8

Oil Stocks and Securities.

15,000 Acres

CHOICE OIL LANDS

Cantua and Coalinga districts Fresno county.

$3 to 10 per acre

Address W. A. DESBOROUGH
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At Oil Exchange 11 to 3 p. m.

A. ZELLERBACH & SONS

THE PAPER HOUSE.

416, 418, 420, 422, 424, 426 Sansome St., San Francisco.

Paper and Paper Bags, Twine iand Supplies of every description ncidental to the trade.

We carry the Largest stock. Our prices are Equitable.

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400,000 Shares of Oil Stock FOR SALE

Monarch, Lion, Occidental, Salinas Oil and Development Company, Etc.

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S. S. SIMON, Original Owner,
573-574 Parrott Building
Telephone, South 757.

Oil Lands given for development purposes or for forming companies.

BROWN & POWER

Blank Book Mfs., Stationers,

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Corporation Supplies. The best in San Francisco. 60 different samples of certificates appropriate for oil companies to choose from.

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CALIFORNIA PETROLEUM MINERS' ASSOCIATION.

Incorporated May 28, 1900.

OFFICERS AND DIRECTORS.

L. Perry Crane.....president
O.A. Lane.....1st vice-president
J. C. Kirkpatrick...2nd vice-pres.
E. D. Berri.....3d vice-president
Dr. C. T. Deane.....treasurer
W. B. Simmons.....secretary
Prof. E. B. Heald, G. H. Jones, W. B. Winn, Gen. J. M. Gleaves and B. Marks.

The object of this Association i to promote the interests of the oil industry of California and to furnish a bureau of information. It is establishing Eastern agents consisting of reputable bankers and brokers in all the large Eastern cities, who shall represent oil companies who are members of this Association in the sale of their stock.

It is admitting to membership only those companies whose affairs can pass the rigid examination which is compelled by the Association. This examination is made by the attorneys of the law department, Hon. G. W. Baker and Edward H. Stearns, and by the membership committee of the board of directors.

Applications for membership can be obtained together with the necessary blanks by applying either in person or by letter to he president or secretary of the Association at its office, room 33, 2d floor, Mills building, San Francisco.

Eastern and Foreign correspondents.

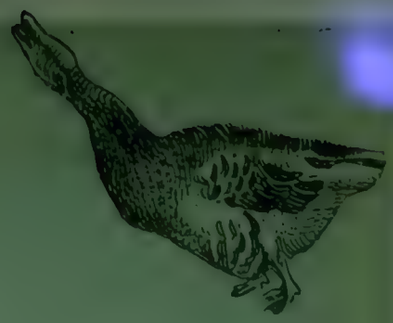
S. S. SIMON

Original owner of Oil Lands in
KERN
MONTEREY and
SANTA BARBARA
Counties

Forty to one hundred acres of free and given for development.

Address 364 Parrott Building
San Francisco.

Oil Lands Experted.



GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

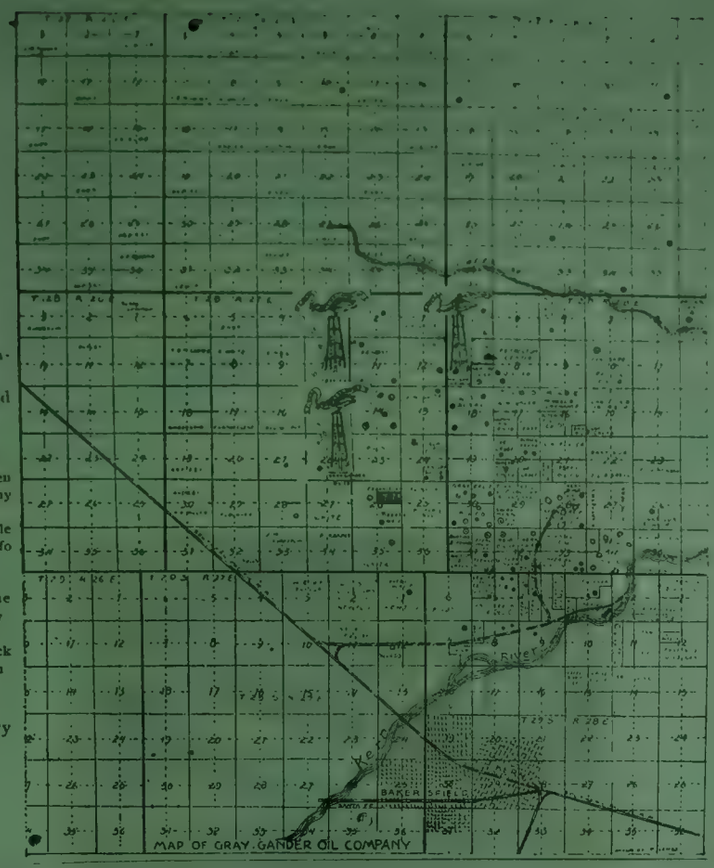
2nd The buyers are guaranteed DOLLAR fo DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated,

F. D COOLEY, President,
W. B. BURROWS, Secretary



MAP OF GRAY GANDER OIL COMPANY

Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L.DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street Rooms 44 and 45, for special in duc ments for short time

A Guaranteed Investment

THE FAMOSO OIL AND INVESTMENT CO.

Offers to Investors an Absolutely Safe Investment.

The Famoso Oil and Investment company offers to investors an a b solutely safe investment. Stock holders get back dollar for dollar in the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to to the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famoso is capitalized for $350,000 Par value, $1.00 and is underwritten by the Pacific Coast Underwriting Company and guaranteed by the Continental Building and Loan Association of San Francisco, with assets of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

OFFICER

Jno. P. Albro - President
A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famoso Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

Office, Room 393 Parrott Building, = San Francisco.

Branch Office, 1330 E Street, San Diego, Cal.

R.H. HERRON CO.
DEALERS IN
Oil Well Supplies
Largest House on the Pacific Coast.
THE LATEST IMPROVED MACHINERY AND TOOLS. READING CASING AND TUBING.
SAN FRANCISCO. LOS ANGELES.
BAKERSFIELD. HANFORD AND COALINGA.

Gypsy Queen Petroleum Company

Incorporated under the laws of the State of West Virginia.

Stock Absolutely Non-Assessable With Limited Liabiliy of Stockholders

160 Acres in the Heart of the Sunset District Kern County.

640 Acres in the Fresno-San Benito District

All proven oil land with wells of other companies now being drilled on all sides of our property.

The derrick for our first well is in place and machinery now on the ground, and work being rushed as rapidly as possible.

We secured the best lands to be had several months before the great excitement in these districts, and we are prepared to offer a first-class proposition to investors.

For particulars address

FREDERIC M. LEE - - - SECRETARY

FRESNO, CALIFORNIA.

LINCOLN OIL COMPANY

J. H. EDSON, Secretary and Manager

Central Bank Building, = = Oakland, Cal

Expert's Report.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours

M. M. OGDEN

Field Expert Producers' Oil Exchange, San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party last week. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. The next will sell for twice that amount.

STOCK UNDERWRITTEN

BY THE

Pacific Coast Underwriting Company

504 PARROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock isprered.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtan in this city and can be easily investigated.

E. D. COLEY, President.

W. B. BURROWS, Secrey.

MOSTELLER & ALLEN

Oil Stocks and Oil Lands.

Lands Furnished

For development purposes on either a royalty or stock percentage basis.
Estimates furnished on all matters pertaining to the Petroleum industry

General Agents For the Great American Oil and Development Company.

All Business Transactions Must be of a Thoroughly Reliable Character

Rooms 565-566 Parrott Building

SAN FRANCISCO, CAL.

LANDS TO BE DEVELOPED

In Proven Districts

Sunset Property a Specialty Good Terms to Promoters.

JAMES R. T. MERSHON

Oil Land and Stockbroker, Rooms 537, 538, 539 Parrott Building, San Francisco, Cal.

Companies Promoted and assisted in the raising of their Development Funds. Promoter of the following companies:

The **Monarch Oil Company** of Arizona, **Prudential Oil Company** of Arizona, the **Lion Oil Company** of Arizona, the **J. S. Potts Oil Land and Development Company, Sunset Center oil and Developing Company** of Arizona, **Vesuvius Oil Company** of Arizona, and **Tiger Oil Company** of Arizona, all in the Sunset District, Kern County.

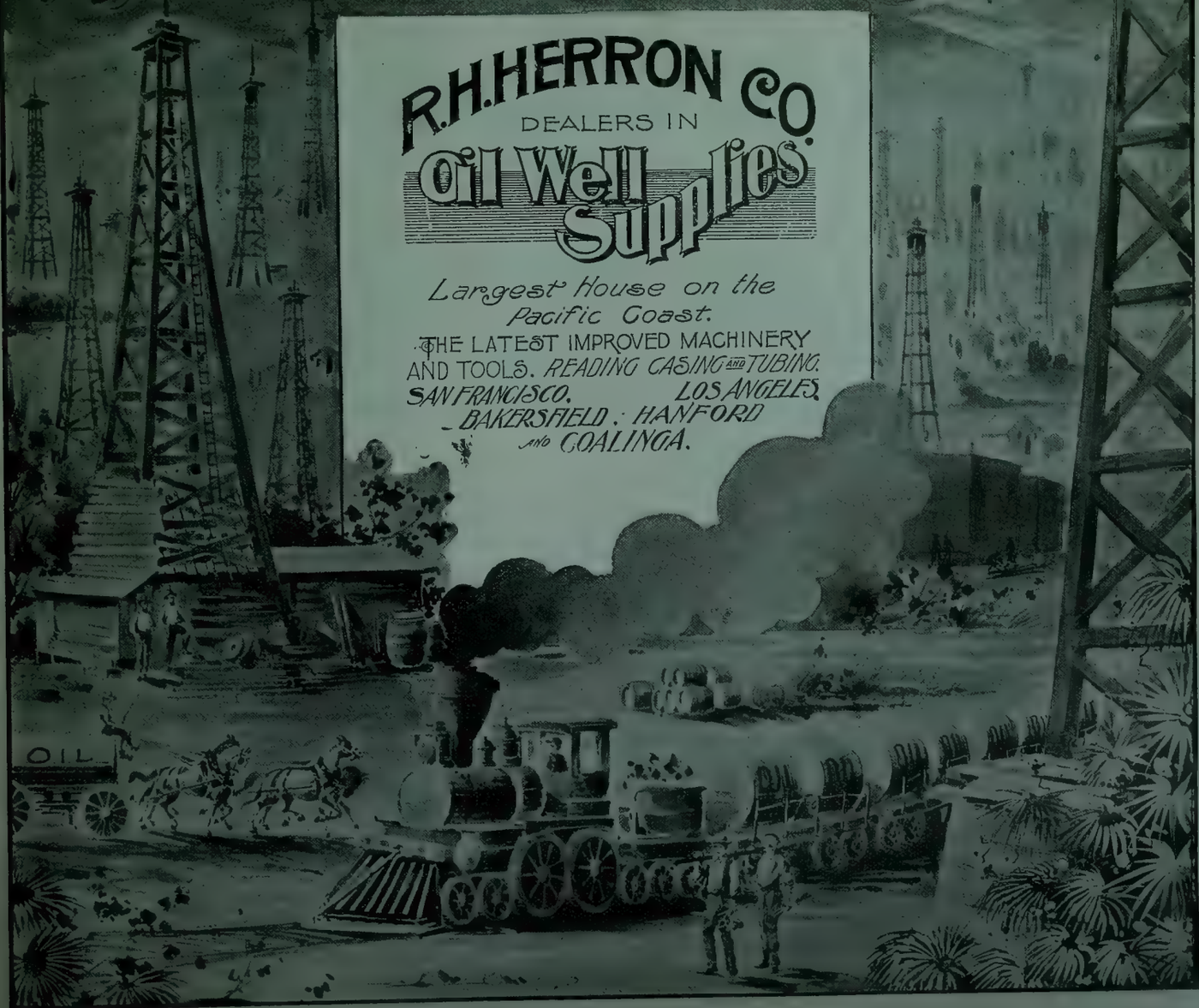
Interview Us Before Doing Business Elsewhere

Endorsed by the California Petroleum Miners' Association.

VOLUME 2 NUMBER 8

PACIFIC OIL REPORTER

SAN FRANCISCO, CALIFORNIA, FRIDAY, DECEMBER 28 1900



Opportunities for Investment

Our Drillers Are Rapidly Nearing the Oil Sand

The price of this Stock has Advanced to 75 cents a Share

OFFICE: ROOMS 417-418 PARROTT BUILDING, NO. 855 MARKET ST., SAN FRANCISCO, CAL., 'PHONE Howard 30

MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R. F. MORTON C.E.

Scale of Chains — Scale of Miles

Copyright 1900 by Revile Frederick Morton

PACIFIC OIL REPORTER

VOL. 2 NO. 8. SAN FRANCISCO, CAL. FRIDAY, DECEMBER 28, 1900 PRICE, TEN CENTS.

THE STATE FIELD.

Progress in Different Sections of California.

At present the reports from the different fields are extremely encouraging not only from the North but from the South. The latest returns from the North are that Humboldt county promises to be a large producer of crude oil petroleum which has a paraffine base.

The analyses which have been made of this oil show conclusively that the oil from Humboldt and the other Northern counties is not only of a high gravity but has also a paraffine base which makes it more valuable than the oil from those districts which have an asphalt base.

Reports a little further south show that oil districts are soon to be developed in Shasta and other counties south of Humboldt, such as Mendocino, Napa, Glenn and Colusa. Even Solano county cannot be omitted as recent developments near Vallejo prove.

Further South the oil district seems to develop.

The degree of development increasing the nearer the oil district approaches the southern portion of the state.

In spite of the fact that the Home Oil company in the Coalinga district finds its product decreasing instead of increasing the other companies in this district are going ahead with their development work in increasing activity. This is to be especially noted with the Caribou, the Independence, the Confidence and other companies who with Messrs. Chanslor & Canfield are making the initial chapters of the oil history of this district.

A little further south, in the Kettleman hills district, although a great deal of work has been done which has thus far proved unsatisfactory, so far as the oil production is concerned, there promises to be a strike made in this district which will equal in extent any which has yet been made in Los Angeles or Kern county. The geological formations are here, the capital is furnished not only from such well-known financiers as Rudolph Spreckels, but also from local men in San Francisco and in Hanford, and their opinion as to the future oil possibilities of the Kettleman hills district is backed up by the opinion of geologists, who in their turn represent officials of the Southern Pacific Company.

The same can be said of these other districts which are rapid in coming to the front, which lie between Coalinga and Kern county.

The McKittrick district is now assured of success from an oil standpoint. Ten years ago the presence of oil in this locality was proven by the Italians who developed a small flow of oil from the hillside. Their developments were simply the indications of the vast deposits of oil which have been uncovered in this hitherto useless portion of California—useless because the land was worth nothing either for sheep or cattle-raising on account of its barrenness.

A few months ago the General Land Commissioner of the United States, Binger Hermann, and his agents, carefully examined this and other districts in the state and took photographic views of each section and quarter section in order that the value of the land for agricultural purposes could be ascertained. The Kreyenhagen and the Devil's Den districts are now being exploited by companies which have capital behind them, the lack of which has before interfered sadly with the drilling of wells to the proper depth.

The fact that land which two years ago was worth $2 50 an acre is now worth $5,000 an acre, which land is located in districts pronounced by geologists not inferior to oil than other districts of the state, has prompted capital to invest in the Kreyhengen and the Devil's Den districts, and to purchase machinery and supplies for the purpose of finding out whether or no the geologists and the State Mineralogist are true or false in their prophesies that oil can be found in these districts.

The results of his examinations are that a vast area of land which has heretofore been regarded as desert and absolutely worthless is now to be regarded as mineral land, which can be claimed as such by those who prove its mineral resources.

What is said of the McKittrick can also be said of the other districts about Bakersfield, such as the Kern River, the Sunset and the district which lies between and which has been called the Midway district of California.

The bulk of the oil that will be used for fuel purposes in the next six months will be shipped from Kern county, and if the industrial and especially the manufacturing industries of California are to be subserved and increased, Kern county above all the counties in the state should be given the credit.

So far as oil for illuminating purposes is concerned, Ventura county can rightly claim the palm. It is a well known fact among oil men that most of the oil used for illuminating purposes in connection with the oil which comes from the East comes from Ventura county. This oil is of a lighter gravity than that which comes from Kern county and is consequently less expensive to transport and is also better adapted for distillation purposes. But a comparatively small area of Ventura county has yet been developed for oil purposes. Where one acre is now proved to be oil land one thousand acres yet remain unimproved, but which will when properly developed by capital be found to contain as much and as valuable oil as has yet been discovered by the drill in other portions.

In Southern California the development work continues as successfully as when it was first inaugurated two years ago. In Los Angeles the boundaries of the oil district have been increased, and new fields have been opened up not only within the city proper, but also in its suburbs.

The Fullerton fields developed as they are by some of the most enterprising capitalists of Southern California are rapidly coming to the front not only as oil well developers but as oil producers, the railroad statistics showing that the freight tankage of oil has more than doubled from Fullerton during the last year.

What the possibilities of oil in this state are cannot be prophesied by the most expert oil men who come to us from Pennsylvania or West Virginia. We only know that oil is here—not only here but in quantities which surpass our financial expectations. If the industrial welfare of California is to be subserved by the development of its manufacturing resources, the key to the solution is to be had in the oil production of the state.

Fourteen-Mule Team in Kern County, Hauling Oil to the Railroad.

THE OIL MARKET.

Effect of the Oil Refining Industry on the Price of Crude Oil.

From the estimates now being offered we may reasonably conclude that the production of petroleum in California in 1900 will be approximately 4,000,000 barrels and that we are now producing at the rate of 5,000,000 per annum. There is also assurance of a still further increase for several years to come. The general gratification at such a probable result receives however an occasional check by the suggestion of over-production, inspired by various causes. There is often a curious recurring phenomena of coincident gushers for a while,—or a sudden out-pouring of stored oil, as recently in Kern River, by the increase of railroad facilities and from oil in storage tanks,—again a sudden stop of large operations at different seasons, as for irrigation and pumping,—the close of a sugar season; the advent of winter in asphalt markets, etc.

We are just now confronted by a combination of several of these conditions bringing the price of oil below a fair normal and intrinsic value by the comparison usually made, that is with the price of coal, the latter being now abnormally high in price from temporary causes but oil is also abnormally low. As a possible means of regulating this more nearly, the oil refining industry of the state is likely to prove a most important factor and the consideration of its future relations to the production and marketing of crude oil may be of some interest.

The extent of our present refining operations refute any assumption that we produce no oil that can be refined and the variety of its other products show that illuminating oil is not the only criterion of value in California, whatever it may be in the rest of the world. In a former article my estimate of the capacity of the twelve or more refineries, large and small, showed an approximate possible absorption of 150,000 barrels ot crude petroleum per month. I wish to revise this estimate and may safely assert that the refining capacity is now not less than 175,000 barrels per month and that this will be increased shortly by one new large refinery in Southern California nearly completed and others proposing to enlarge their plants to 200,000 barrels per month or over, or a total of 2,400,000 barrels per year. While this possible demand for crude oil is not realized at the moment from various causes incidental to any industry, it will be within bounds to give the refining industry power of absorption of 2,000,000 barrels per annum.

It has been a profitable industry from the start and for reasons stated must continue to be. The capital invested in plants has been supplied thus far entirely by California producers and moneyed men. Other capital is now coming in and although the Standard is now also openly taking hold it cannot stay the development and extension of the business. California oil on account of its asphaltum base has been as to its quality in a class by itself, though Texas is now furnishing the same character of oil. The petroleum of the Fullerton field—the southern-most one—ranges in gravity from 16 to 34 degrees, the Puente 34 degrees, Whittier 18 to 22 degrees, Los Angeles 14 to 22 degrees, Newhall from 16 to perhaps 40 degrees and in Ventura county, Torrey Canyon, Santa Paula and intervening fields 18 to 35 degrees, Summerland 12 to 15 degrees; of the central field Kern River produces oil of from 12 t 16 degrees, McKittrick 12 to 1 degrees and Sunset the very heavy asphaltic oils of from 10 degrees or less to 16 gravity, Coalinga 18 to 40 degrees, with possible variations either way for small production beyond these figures.

It is estimated that one million to one and one-quarter million barrels range from 20 degrees to higher gravities and are available for the production of from 10 to 20 per cent of illuminating oil, although a small production of so-called paraffine oils may exceed this maximum percentage considerably. The balance of this oil with all of the heavier gravities furnish as their refined products, depending upon the product sought and methods of refining, some Naphthas 10 to 20 per cent, lubricating oils 10 to 20 per cent, gas distillates (22 to 50 gravity), from 30 to 50 per cent and asphaltums from 25 to 50 per cent, the latter from the heaviest oils of Sunset district. These products do not, except as to a small proportion, bring our oils into competition with any other of the United States or with that handled by the Standard. The latter has for several years had contracts

Oil Stock with a Value...

Limited Offering at 75 Cts. per Share

If contemplating a purchase of oil stock, we respectfully submit a few reasons why we expect to interest you in

The Sovereign Oil Company

We own 160 acres and have a lease of 20—180 acres in all, all located in the famous Kern River Oil District. Ownership means an absence of costly litigation to protect title. We own all machinery upon our land, including two Standard drilling rigs.

Progressive manag-ment, demonstrated by following facts: Incorporated on October 15th, 1900, and on December 6th (51 days thereafter) had **tw wells in oil.** Location of property insures large profit from all oil shipped, because near railroad. No costly "hauling" to prevent **any profit** on shipment. Title to property U. S. patent, meaning an asset behind stock.

Our reliability and progressiveness not an experiment. Proven by record of Sterling Oil and Development Company. The overeign is under same management. Prospectus and maps are free for the asking.

10,000 shares at 75 cents per share. Orders filled in rotation of receipt, and the right to revoke this offer, without notice, is reserved by company.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

with the three large producing refineries of the state—the Puente, Union and Pacific Coast to take their gasoline, illuminating oil and high gravity gas distillate at 7 to 8 cents per gallon, a profitable value to the refinery but allowing the Standard to raise the price in the California markets and adjoining states to its considerable profit also. It has since purchased, it is reported, the Pacific Coast Oil Company. Other refineries are now making illuminating oil and gasoline of a fair commercial quality and so profitably that it must be a temptation at present high prices of these products to divert more and more of the ligher petroleum into these articles of use.

The product, however, of California oils on which the industry will largely depend for its future profit are asphaltum and distillates as they are commercially known, with some lubricating oils. Asphaltum is the final residue of our petroleum when refined and represents from 20 to 50 per cent of the oil. Its markets are world-wide and it is as a result of the growing demand for it that our refineries have found such an impetus to growth and extension during the last few years.

As a semi-liquid or maltha as it is often called, it is now used largely throughout the United States for fluxing or softening the hard paving asphalts, whether the latter are of our own or foreign production. In its harder forms it has finally won its way as a paving material in the struggle against it, and the demand for this purpose is likely to greatly increase, as much of the product is absorbed now and contracted for by the paving trusts. It has long since proven its value for the following more important, among many uses, viz: as a coating in the manufacture of steel, iron, and wooden pipe, as a coating and filling for Electric conduits, for paints as a covering for bridges, structural iron and wood, for piles, boilers and ware-houses, for sheathing and roofing material, for fine varnishes, etc.

Its production has given rise to the establishment of numerous industries within our state and elsewhere for the manufacture of the articles named and others. The market thus far has been in the United States but it is only a question of supply until the world will be looking to California for the only clean and fine asphaltums available in quantities at a reasonable price. The report of the State Mining Bureau gives the production of asphaltum for the year 1899 as 8935 tons, and beyond doubt for 1900 was over double this amount.

The peculiar conditions of our mild climate and lack of water and fuel or both in a large stretch of country requiring irrigation, and the mining industry, have made a growing demand in California, Arizona, Utah and New Mexico for what are now known as "Distillates," a product in Eastern oil more valuable for other purposes, but with us as yet constituting as the waste products of our oil an article ranging between twenty and fifty degrees gravity (Baume), which in some form serve as a fuel for gas engines and motors now used extensively for mining engines and irrigating pumps; also in residence communities for the direct manufacture and enrichment of gas and for house stoves and furnaces, for which it is admirably adapted, and in Los Angeles and nearby points has come into general use, in the manufacture of paints, soapstock, etc.

There is yet a great field for the manufacturers of a gas engine adapted to use our heavier and cheaper distillates and of improved stove burners, although fair progress has been made along these lines already.

The profit in refining our oil has thus far been estimated at from 50 cents to $1.00 per barrel over the price of crude though not doubt often more, dependent upon varying conditions. With the rapidly growing market and improvements in the simple methods now used, some of our cheaper oils may produce more valuable products. The laboratory has disclosed in our oils the basis of aniline and kindred products of petrolene (vaseline), printing ink, rubber composition, etc.

No better field invites the capitalist than the oil refining industry, and he is rapidly discovering the fact.

In conclusion therefore, given an industry based on our crude oil which is now capable of utilizing one-half of the production and which proportion is likely to increase in favor of oil refining both by reason of broader markets and

Salinas Oil and Development Co.

Capital Stock, $1,000,000 **1,000,000 Shares, $1 each.**

Stock Non-Assessable.

2000 Acres in Monterey County

OFFICERS

Wm. N. McCarthy ..... president and treasurer
J. J. Gunn, ... vice-president
J. B. Olsen, ... secretary
Jno. C. Quinn, ... superintendent

DIRECTORS

C. A. Burcham, J. E. Baker, N. A. Dorn
W. J. Ellis, S. S. Simon;
Nevada Bank,..... depository.

State Mineralogist Prof. A. S Cooper last week examined our property and reports to us in part as follows:

"I have examined that part of your property adjoining the bituminized sand deposit, and find that the axis of the San Antonio anticline passes through this property. That the shales constructing the anticline are highly bituminized. The axis and strike of the anticline runs S. 35 E. and N. 35 W. This anticline is made very conspicuous on account of the white leached shales. The northeast dip of the anticline are sandstone strata filled with viscous bitumen. Near the axis of the anticline the shales are highly silicated and are black in color, and this color is owing to the presence of bitumen when they were silicated. After they were pacified the shales were cracked and seamed each crack and seam, however minute, has been filled with ascending viscous bitumen. A large number of springs containing sulphurated and carbureted hydrogen are found near the apex of this anticline. Mineral waters nearly always accompany bituminous springs in California.

Judging by analogous conditions existing in other oil fields, and in consideration of the geological conditions described, it is probable that petroleum oil may be obtained through wells drilled in this district. It is almost a certainty that carbureted hydrogen will be obtained having a high pressure. (This means a flowing well).

"The property is easy of access. There is an abundance of wood and water on the ground to carry on the work of drilling and in the case of he construction of a pipe line the descent would be continuous to the railroad

I am of the opinion that you are justified in sinking wells."

Mr. S. S. Simon, a successful expert and locator of wells, says: "The anticlines, shales, fossiliferous deposits, bituminous rock and other formations found upon this property, and which indicate the presence of oil, are the finest and most perfect of any in this state. I am satisfied this district will be found to be a lake of oil."

Rig is Being erected and operations Begin at once

For a limited time stock may be had at the office of the company at 15 cents a share.
For further information apply to J. B. OLSEN, Secretary

573-574 Parrott Building.

more valuable products—a factor enters into the calculation which makes persistently for a fair price for the producer of crude oil, without so much fluctuation as its sole use as fuel brings about. It will moreover never long let it get below its fair value at refining points of $1.25 per barrel for a fourteen gravity basis with much higher prices for the lighter oils, and possibly get it to a point so high that it will subordinate the use of crude oil as a fuel to that of refining and make it difficult within a few years, unless our production increases immensely, for any railroad, as is stated is the case of the Santa Fe, to obtain a contract for the supply of one and one-half million barrels per annum or anything like such an amount.

LOUIS BLANKENHORN,
211 Douglas Building,
Los Angeles.

WILL APPEAL.

Scrippers Preparing to Make a Final Effort.

The scrippers have decided to make the final appeal to the Secretary of the Interior, the court of last resort in land cases. Elaborate briefs are being prepared which will be presented to Secretary Hitchcock some time next week, and the appellants expect o make a considerable showing of reasons for a hearing on appeal. One statement they make is that Commissioner Hermann, in taking up a case for a test decision, selected one which was strong against the scrippers, and which was way down in the long list of cases on file before the land office.

The commissioner holds that those claiming title to selections under the act of June 4, 1897, have not done all they are required to do until they have filed proof of the publication of notice and the same has been approved by the general land office.

Under this ruling the opinion says the land in these sections is yet open to exploration under the mining laws, and that if at this date the lands are shown to be mineral it defeats the selections. The opinion says:

"It does not seem that any question could arise as to who had the best right to this land and to whom the mineral product belongs.

"Even if no well should be sunk at the date of the selections, and the mining claimants had rested solely upon the surface discoveries, but were duly proceeding with reasonable diligence to develop the claims, the agricultural claimants would not have been entitled to the land as 'vacant land open to settlement.'

"If the lands are not distinctly agricultural in character, but in addition contain on the surface mineral indications justifying a discreet person to prospect and develop the same, then the affidavit which avers that 'the application thereof is not made for the purpose of fraudently obtaining title to mineral land, but with the object of securing said land for agricultural purposes so far as the deponent knows, is not only evasive but misleading and evidences a motive for acquiring the lands really for mineral and not for agricultural purposes.

"The good faith of the mineral claimants is apparent and conclusive. They seek to obtain in a proper manner, title to lands under laws solely provided therefore, I do not find the same conditions existing in the case of the agricultural laws, the lands being admittedly mineral and not agricultural."

From this the commissioner deduces the following:

"At the date of these selections the lands included therein were covered by mining claims and therefore not vacant; that they were known to be mineral and therefore not open to settlement; that the fact that the conditions were not on record in the land office did not affect the mineral locators' rights; and the failure of the agricultural claimant to state the facts was a fraud on the government and the mineral claimants, as the selectors are charged with mineral locations. If any further evidence is needed in support of the above conclusions, it is to be found in the special agent's report, made with reference to these particular selections, nor can there be any question of the authority of this office to consider such report in connection with the record in this case."

Drillers on a Strike.

The recent row in the camp of the Union Oil company at Torrey canyon, has resulted in retarding the work somewhat on the wells being drilled. It will be remembered that some time ago a large consignment of Eastern drillers and tool dressess were brought to this property and put in the places held by native drillers. The Easterners were not satisfied apparently with their jobs. The board did not please them, nor the place. In the way of a little sport, the boarding-house was raided one night and the dishes broken, windows removed. and things mixed up generally. The following payday it is said the cost of the damage was deducted from the men's pay. They accordingly quit their places and some of them returned East. The company has now about got itself straightened out again and work will be going on as usual in a few days.

Gypsy Queen Petroleum Company

Incorporated under the laws of the State of West Virginia.

Stock Absolutely Non-Assessable With Limited Liabiliy of Stockholders

60 Acres in the Heart of the Sunset District Kern County.

640 Acres in the Fresno-San Benito Distric

All proven oil land with wells of other companies now being drilled on all sides of our property.

The derrick for our first well is in place and machinery now on the ground, and work being rushed as rapidly as possible.

We secured the best lands to be had several months before the great excitement in these districts, and we are prepared to offer First-class proposition to investors.

For particulars address

FREDERIC M. LEE, - - - SECRETARY

FRESNO, CALIFORNIA.

MUTUAL PROTECTION.

The Los Angeles Producers Must Organize on This Basis.

The Los Angeles Oil producers have within the last ten days run up against a proposition which has almost made their blood run cold. The Oil Storage & Transportation company, which for several years past has been the principal buyer in the Los Angeles field, and has furnished storage and marketing facilities for the majority of the producers, has given notice within the past ten days that their contracts will not be renewed. A surplus of 100,000 barrels is now on hand and this surplus is increasing. The Storage company has indicated its willingness to take all the oil offered, and pay for the same at the average price received from its customers, making a charge of ten cents per barrel to cover cost of handling, storage and marketing. The producers claim that this charge is excessive in comparison with the Standard's charge of two per cent, and that the company has become a profit making institution instead of the association of producers for the purpose of keeping up the price of oil, as originally planned. It is admitted that the past years business was a losing one, and the present steps are taken to avoid losing any more. The company owns all the available storage facilities and the producers must either accept their offer or sell oil on their own account, with the result an cutting of prices.

Another element of competition in the Los Angeles market is the Kern River oil, which is being shipped in and after the freight is paid is sold for a lower price than the Los Angeles product, and no amount of local patriotism will induce the Los Angeles buyers to patronize home production when an oil which answers the purpose can be had for a lower price. The producers of Kern county have formed an association for the purpose of maintaining prices, and now a similar movement is on foot among the Los Angeles oil men. A meeting was held at the Chamber of Commerce last Saturday evening, in which it was proposed that the producers combine their interests, build their own storage tanks, put in their own pipe lines and market their oil through no other agents. This position the oil men believe has been forced upon them by the necessity of looking after their interests. The plan is considered a good one, but one which it will take time to bring about. Meanwhile some temporary arrangement will be made. It is supposed that the proposed plans will require an expenditure of $250,000, and as the Kern County Association will be in operation at an early date in January, it is expected that the result will be firmer prices for the present. This is expected to relieve the situation temporarily, and meanwhile the Los Angeles oil men will canvass the matter thoroughly, and will bring it up in another meeting to be held this week.

Railroad to Sunset.

President Beal of the Sunset railroad has been interviewed regarding the probable construction of the line, and has stated that he believes the negotiations now under way will be terminated early in January, and that work will begin at that time. As the grading necessary to be done is comparatively slight, the line should be completed within a month at the outside. The Herald's correspondent writes that the delay in this matter has been a great disappointment, but it is plausibly explained. The road is to be constructed by the Sunset Railroad company. It has been unable to move until it could make satisfactory arrangements with both the Santa Fe and the Southern Pacific, which are to operate it jointly. The arrangements regarding this particular piece of road were simple and presented no difficulty, but when it came to effecting a satisfactory agreement in respect to the traffic on the few miles between the north terminus Gosford and Bakersfield, a hitch occurred. This portion belongs exclusively to the Southern Pacific, having been constructed several years ago, and is part of the McKittrick branch. The death of Huntington occurred before the papers were signed, and his successor had not time until very recently to give the matter his attention.

The American Oil company near Tehachapi has lumber on the ground and will begin work immediately after the holidays.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days.

Write to **J H EDSON, Secretary and Manager** **Central Bank Building, Oakland Cal.**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. All stock to be raised to 50 cents January 15, 1900.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PARROTT BUILDING
S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at anytime.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non = Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows

SECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful development is absolutely assured.

Sunset and McKittrick District, Kern County
Coalinga District, Fresno County. Kettleman District, Kings County.
and Contra Costa County

12,000 SharesSold in One Day.

One Hundred Thousand Shares Sold in Less than Three Months

Second 100,000 shares now selling rapidly at $1.00 per share; will probablybe sold by January 15, when 3d 100,000 shares will be placed on the market at $2.50 per share.

The Officers of the Company are all well-known business and professional men

A. G. Deardorff.....President
J. M. Merrell.....Vice-President
John Choice.....Secretary
Wells-Fargo Bank.....Depository
F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
John Choice J C Sala F. A. Berlin
R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO Tel. South 740.

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, December 26th:

CALIFORNIA STANDARD

500 at	34	170 00
4000 at	35	1400 00
1500 at	36	540 00
3800 at	38	1482 00
1000 (B30)	37	370 00
2000 at	38	1140 00
4300 at	37	1591 00

CARIBOU.

200 at	52	104 00
600 at	53	318 00
600 at	54	324 00
2100 at	55	1155 00
200 at	56	112 00
200 at	57	114 00
200 at	58	116 00
100 at	60	60 00
350 at	62	217 00
400 at	64	256 00
1150 at	65	747 50
1400 at	67	938 00

FOUR OIL CO

3100 at	50	1555 00
1075 at	49	526 75
959 at	54	526 86
45 at	48	21 60

HANFORD.

14½ (B30) at	120 00	1740 00
2 at	119 00	238 00

HANFORD-FRESNO-KERN RIVER.

800 at	46	368 00
400 at	44	176 00

HOME OIL.

1600 at	3 90	6240 00
150 at	3 95	592 50
300 at	3 85	1155 00
350 at	3 80	1330 00
325 at	3 60	1170 00
100 at	3 55	355 00
300 at	3 65	1035 00
250 at	3 70	925 00
350 at	4 00	1400 00
150 at	4 05	607 50

INDEPENDENCE.

1000 at	21	210 00

JUNCTION.

700 at	63	441 00

KERN RIVER

[illegible] at [illegible]	[illegible]	153 00
[illegible] at [illegible]	[illegible]	[illegible]

LION

[illegible] at	24	[illegible]
[illegible] at	27	[illegible]
[illegible] at	28	[illegible]
[illegible] (B30) at	[illegible]	[illegible]

MONARCH OF ARIZONA

[illegible] at	[illegible]	[illegible]
[illegible] (B30) at	45	[illegible]
[illegible] at	43	[illegible]
[illegible] at	44	[illegible]

McKITTRICK

185 at	35	647 50
50 at	36	18 00

MONTE CRISTO.

200 at	1 57½	315 00
500 at	1 65	825 00
110 at	1 75	203 00
150 at	1 80	270 00
100 at	1 85	185 00
1500 at	1 90	2850 00
100 at	1 95	195 00
100 (B30) at	1 95	195 00
4700 at	2 15	10105 00
100 (Stock) at	2 05	205 00
200 (S30) at	2 05	410 00

McKITTRICK CONSOLIDATED.

100 at	47	47 00
200 at	45	90 00
300 at	52	106 00
300 at	51	153 00
100 at	49	49 00
600 at	50	300 00

OIL CITY PET

20 at	30 00	600 00

OCCIDENTAL OF W. VA.

383 at	65	248 95
100 at	63	63 00

PETROLEUM CENTER.

2199 at	21	456 79
500 (B30) at	22	110 00
5000 at	24	1200 00
400 at	23	92 00

REX.

750 at	50	250 00

REED CRUDE.

100 at	51	51 00
1600 at	52	832 00
400 at	53	212 00
[illegible] at	[illegible]	[illegible]
[illegible] at	[illegible]	[illegible]
[illegible] at	65	[illegible]
[illegible] at	67	[illegible]
[illegible] at	68	[illegible]
[illegible] at	[illegible]	345 00

SHAMROCK

425 at	[illegible]	382 50

SUNSET (ORIGINAL)

300 at	45	135 00

SAN JOAQUIN

150 at	9 12½	1368 75
50 (B30) at	9 12½	456 25
110 at	9 25	1017 50
500 at	9 50	4875 00
50 (S30) at	9 62½	481 25
250 at	9 75	2437 50
300 at	10 00	3000 00
140 at	10 25	1435 00
50 at	10 12½	506 25

STERLING.

550 at	2 55	1402 50
25 at	2 60	65 00
800 at	2 65	2120 00
300 at	2 67½	802 50

TWENTY-EIGHT

700 at	2 30	1610 00
100 at	2 35	235 00
100 at	2 32½	232 50
100 at	2 37½	237 50
100 at	2 40	240 00

WOLVERINE.

400 at	1 25	500 00

Shares 89433½ Amount $ 88,507 45

Coal Competition.

The present daily output of fuel oil in this state is fully 12,000 barrels, computing say four barrels (it is somewhat less) to the ton of average coal for steam production; it can be readily seen that a number of large coal consumers are now substituting oil. Coal producers have little fear that they will not find an outlet for their output in 1901, although oil may prove a formidable competitor; their sales this year are in excess of last, and the general increased fuel demand from a number of sources promised in the near future will probably make 1901 the banner year for volume of coal sales.

The drillers at the Black Geyser Oil company's well at Ballona harbor say that oil will be found at less than three hundred feet. The hole is now down 200 feet, and traces of oil are found in the sand pumpings.

JOSEPH B. TOPLITZ

Member
Producers' Oil Exchange

Stock Broker

Oil Stocks Bought and Sold.
Correspondence solicited.
330 PINE ST., S F.
Telephone Bush 385.

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Can obtain 2 party line service as follows:

Guarantee of 20 cents per day for BUSINESS, and
Guarantee of 10 cents per day for RESIDENCES.

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PACIFIC OIL REPORTER

Published Weelyk

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

Telephone, Bush, 176

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, DECEMBER 2, 1900

Herman's Decision. The general feeling among oil men in regard to the decision of Land Commissioner Hermann is one of unalloyed satisfaction. In spite of the intimations of appeal to the Secretary of the Interior, operators and their legal advisers generally have an increased confidence in the stability of titles for petroleum lands acquired by mineral locations. The Mineral Lands Bill, now before Congress, promises additional security, but it is still under consideration. As the commissioner's decision is based upon questions of fact, it has been the general expectation among oil men that the opinion would be rendered as it was and it is generally upheld by intelligent public opinion. There is not the slightest question but that the proceedings of the scrippers were without a shadow of justice, and that their defeat will be of the greatest value to the oil men in establishing security of titles.

A Successful Edition. The sales of the Christmas edition of the OILREPORTER have exceeded all expectations. Orders are coming in rapidly, not only from the oil districts of California, but from everywhere along the coast and from many places in Eastern states. This statement is made to show the rapidly increasing interest in the oil business in California, and the general desire to obtain such reliable and complete information as the REPORTER published in regard to the industry. There has undoubtedly been no better epitome published in periodical form han this issue.

A Manager Selected.

The Producers' Association of Kern county, an organization for the protection of the producer and the maintenance of prices in that field, has selected Mr. George Wendeling as Manager. Mr. Wendeling will enter upon his duties January 1. This gentleman was successful in managing the organization of the lumber combine and is well qualified for the position.

CORPORATIONS FORMED.

Stocks Guaranteed. Mining Properties Handled.

The Pacific Coast Underwriting Company incorporate companies under the laws of any State or Territory desired and furnish every thing complete to commence business.

Bonds furnished to guarantee stocks; any amount from One Hundred to Five Million Dollars. Mining properties bought and sold. Money advanced on guaranteed stocks. Grandest opportunity ever offered to people with moderate means to make money; buy or lease a tract of oil land, incorporate a company, sell stock enough to put down a well, 80 per cent of the chances in favor of success.

Investigate our methods if you have stock to sell.

Call or address, Main Office, 507-508-509 Parrott Building, San Francisco.

MONEY FROM HOLLAND.

The Hanford Journal tells how it Came to the Oil Fields.

Jacob Rebel, formerly of the Holland colony of King's county, left Hanford on November 15th last, for Amsterdam, to try to get his friends there interested in oil lands in California. Within ten days after his arrival there he had organized a company and secured a capital of $100,000. He cabled the cash to pay for 40 acres of first class land in the Kern River oil district and his company is now ready to commence operations on the land. As the land is located in the most famous oil district of California, Mr. Rebel's friends may expect to receive big dividends from their investment.

The money for the land was sent to Ant. C. J. Van Dorsten of Bakersfield, who made the purchase of E. E. Bush and C. S. Young, operators in oil land at Bakersfield.

The oil lands owned by the Corona Oil company, which struck oil recently, are included in the northwest quarter of 32, 19-15, near the Coalinga Oil company, the stock in which is also largely held by Fresno people. The latter company has one well producing

The Crown of the Valley Oil company, which has been drilling across Brea canon north of the Brea Canyon Oil company's wells has closed down until the stock holders meet to decide whether or not they will entirely abandon the well or begin a new one. The casing in this well collapsed at a depth of 1380 feet and the tool were lost. A little oil and some gas were struck and oil men say it would make a good producer by going down another hundred feet but another oil operator says the well is north of the oil strata. The well is said to have cost the Pasadena people already over $8000.

CALIFORNIA PETROLEUM MINERS' ASSOCIATION.

Incorporated May 28, 1900.

OFFICERS AND DIRECTORS.

L. Perry Crane.....president
O.A. Lane.....1st vice-president
J. C. Kirkpatrick...2nd vice-pres.
E. D. Berri.....3d vice-president
Dr. C. T. Deane.....treasurer
W. B. Simmons.....secretary
Prof. E. B. Heald, G. H. Jones, W. B. Winn, Gen. J. M. Gleaves and B. Marks.

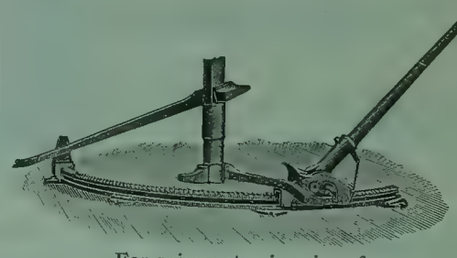
The object of this Association is to promote the interests of the oil industry of California and to furnish a bureau of information. It is establishing Eastern agents consisting of reputable bankers and brokers in all the large Eastern cities, who shall represent oil companies who are members of this Association in the sale of their stock.

It is admitting to membership only those companies whose affairs can pass the rigid examination which is compelled by the Association. This examination is made by the attorneys of the law department, Hon. G. W. Baker and Edward H. Stearns, and by the membership committee of the board of directors.

Applications for membership can be obtained together with the necessary blanks by applying either in person or by letter to he president or secretary of the Association at its office, room 33, 2d floor, Mills building, San Francisco.

Eastern and Foreign correspondents.

Should the supply of asphalt at Trinidad become exhausted, according to an expert in the use of this material, a still greater bed which underlies a vast area of ground near Fort Duchesne, Utah, may be drawn upon. The ground is now part of an Indian reservation.



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Manufacturer

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Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and heapest on the market.

For prices, etc., inquire of

D.HOOKER Los Angeles, Cal., W. FORGIE, Washington, Pa.

Valuable!

Investments are determined by the profits they yield. All investments placed with this company are positively guaranteed and fully protected from loss. Reliable experts always at the service of our investors. If you have lost money in bad stocks, write to us. We will put you right. We have information that will earn money for you.

FURTHER PARTICULARS WITHOUT COST.

Standard Oil Promotion & Investment Co.

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NEW LEASE OF LIFE.

Los Angeles Exchange Struggling for Existence.

Officials of the Los Angeles Oil Exchange are actively engaged in planning ways and means for giving new life to that organization. The causes of the decline in business have been summed up, and at a meeting of the governing board recently a measure was prepared for presentation to members, in which it is proposed that the exchange shall deal in no unlisted stocks after January 1.

There are many objections to the sale of stocks of non-producing companies, chief among which is that the number of such corporations is so large. By the calling of this long list of stocks, many of which are of unknown value to all but a few, valuable time is taken without material results, and producing stocks suffer in consequence. It is pointed out that the exchange flourished when none but stock of producing companies was sold, the decline setting in with the invasion of unlisted shares.

The Times states that a called meeting of the entire exchange was held December 27, when the question relating to the prohibition of outside sales by members was considered. The brokers are divided upon this subject, many claiming that the exchange cannot justly prevent them from selling stock on the street, as well as upon the floor of the exchange.

The Lincoln.

The Lincoln Oil company with office in Central Bank building, Oakland, Cal. have good news from the Kern River field where their drill is now at work on 14, 28-27, Kern county. The Contour company on centre of same section have been shut down for a few days waiting for casing; on starting up they found about thirty-seven feet of pure oil in their 930 foot well; this was pumped out, when large quantities of oil and gas, came in to take its place. The Contour company will not have to go over 100 feet deeper, it is thought, before striking the same strata of oil sand as the Edgar encountered. The Edgar well lies due east a few hundred yards of the Lincoln, and Contour lies a short distance west of the Lincoln, so this last discovery greatly encourages the Lincoln Oil company, the Shasta company and several other enterprising companies that are drilling wells on section 14, 28-27. The Lincoln's well is progressing so nicely, with many indications of oil, that the directors have decided to advance the price of treasury stock to 50 cents on January 1st 1901. All orders placed in the mail up to January 15th at noon will be filled at present price of 25 cents or 500 shares for $100.

Casmalia, Ranch, Oil and Development Co.

Incorporated under the laws of California

Capital Stock 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 10 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building where the President, C. C. Morehouse, or the Secretary, W. R. Jones can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

Atlas Pipe Wrench

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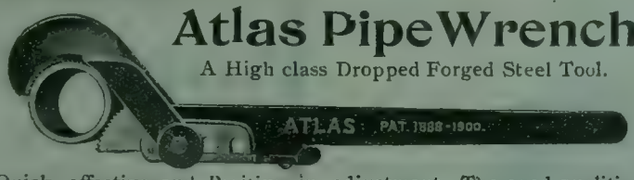

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Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eigth of an inch wire to 4½ inch pipe. For sale by Hardware, plumbing and oil well supply Dealers.

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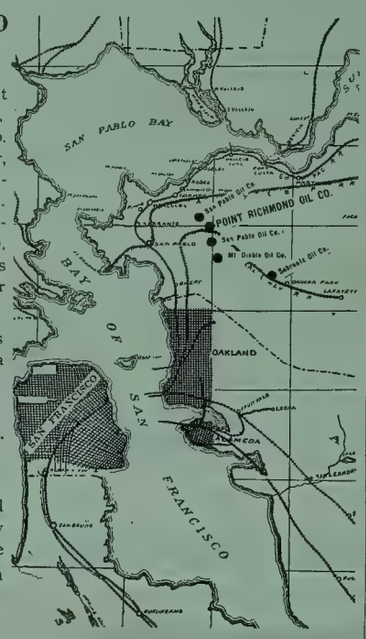

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J. L. GEARY, Jr., Secretary

Office: 363-364 Parrott Bldg., San Francisco, Cal.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

KERN

The Lone Star has struck blue clay on 32, 12-24.

The Bear Flag went down 642 feet in 20 days.

The Provident company has purchased eighty acres in 11, 28-27 for $11,000

The Valley View of Selma has leased the SE¼ of the NE¼ of 12, 28-27

New perforation has been done on Euclid Well No. 1.

The Globe Oil company is considering the joint use of the Peerless pipe-line.

The pipe-line of the Monte Christo has been completed and delivery will begin soon.

The strike of the Oriental on 30, 32-24 is only a good indication of oil.

The Lucky Boy has struck the blue clay at 400 feet on 31, 32-24.

The Corona company at the McKittrick is down 1500 feet.

A pipe line to the railroad is being put in by the Monte Christo.

The Wisconsin has leased ten acres, SE ¼ of 24, 28-28 between the Black Goose and the Santa Barbara and Kern.

The Emerald Isle expects to find the "green ile" on its twenty acres in 18, 28-28.

One of the California Standard's wells at McKittrick is said to spout a 9⅝ stream to a height of fifteen feet.

Waiting for an underrimmer is causing a delay on work at the Golden Gate which recently made a strike on 34, 12-24.

The Lincoln has started to drill on 14, 28-27, with a 14-inch casing. J. H. Edson has been directing the initial operations.

The Little Standard expects to have to abandon its hole on account of a lost bit.

Kern River No. 2 at McKittrick has flowed steadily for four weeks.

Drilling is about to begin on the Sunset Standard property on 20, 11-23, near the Navajo.

The Colorado and California, composed of citizens of Colorado Springs, has secured 40 acres on 35, 12-24, near the Jewett-Blodgett-Beale well.

The Wilson Oil Company, operating on 4, 29-28, has a 900-foot well which struck the first sand at 325 feet.

On section 10, 29-28, the Acacia is down 175 feet with a 14-inch hole. The company is preparing to go deep if necessary.

No. 7 of the Peerless Oil company, recently perforated, has started off at three or four hundred barrels daily, and is continuing to produce that amount.

The well of the Edgar on 18, 28-28, is being perforated. It is 1340 feet deep.

The Colorado & California, section 35, 12-24, Sunset field, is getting ready to put up a derrick.

A wagon load of paleontological remains, including pelicans, condors, vultures, albatrosses, and fish of many kinds, were recently taken from the Buena Vista Lake region in Kern county.

Grading on the extension of the Southern Pacific at McKittrick is completed and track-laying will begin at once. The pipe-line has never been successful on account of its small diameter allowing it to become choked with sand, and in cold weather the oil runs slowly.

The Arizona Western, which struck the sand at 150 feet, is still going through it, but expects to make a landing soon.

SANTA BARBARA

The Marine company will put in a steel cooking tank, similar to that recently erected by the Sunset company.

The Pacific Mineral Oil company has purchased a 1000 barrel storage tank from the Marine company.

M. E. Anderson has finished his contract on the park and will move his rig to Los Angeles next week.

Drilling is stopped on the Sunset wharf, awaiting the arrival of casing.

Hickey & Robinson, drilling for the Santa Barbara & Naples Oil company, finished pulling casing on well No. 1 and have commenced on No. 2. Eleven and five-eighths casing is being used to start the new well, an indication that the company intend to go deep.

The new seventy-horsepower engine at the Seaside oil plant was switched on recently and worked smoothly. The plant is pumping forty-four wells and furnishing power for forty lights.

The Sea Cliff company at Summerland completed its thirty-first well last week and is reported to have a twenty-barrel hole. This is the last of fifteen wells drilled for this company by the Churchills.

On the Taylor ranch, the Taylor Ranch Oil company has abandoned its first well on account of water, and is now engaged in drilling on its Nos. 2 and 3, and will put in another drilling rig at once. Considerable gas was encountered in No. 1 and some oil was found. The company has 5000 acres here, and extensive development work will be carried on.

Clampitt Brothers of Los Angeles have a fine new rig on the Hartnell place. This place adjoins the Harris place. The Elizalde Oil company, a Bakersfield company, has just shipped in a good rig and will drill on the rancho Elizalde. Drilling here will commence at once.

The Casmalia Oil and Development company has a well down something over 400 feet.

The Commercial Oil company, on the Muscio rancho, is down 700 feet, and there is oil in the well. Gas indications are exceptionally good.

At Point Conception the El Cojo Oil company is down over 1200 feet. The formation is good.

On the Suey creek Clampitt Brothers are drilling. On the Huasna rancho Fred Harkness is down 700 feet in hard rock.

VENTURA.

The Aquila Oil and Mineral company has completed its tanks, and is now drilling on well No. 1. On account of non-delivery of oil from the O'Hara wells, owing to change of ownership, drilling did not commence last week.

The Pure Oil company, on the same section as the Aquila, has completed its outfit and is awaiting oil, having been disappointed in securing a supply from the O'Hara wells.

The Golden West company, which drilled a hole at Fillmore without success, has become the owner of the O'Hara wells, and of the 160 acres of land on which they are situated. Its rig is being moved over from Fillmore and they expect to be drilling in two weeks. Mr Ward, who for a number of years drilled for the Union company, has charge of operations.

Continued on page 16.

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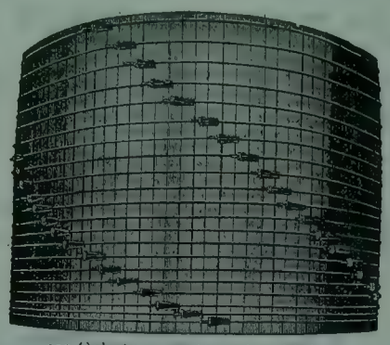

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Feather River Oil company. Principal place of business, San Francisco. Directors—I W Levy, J Hirsch, J P Brown, San Francisco; C I Brock, F M Brown, Oakland. Capital stock, $160,000, subscribed, $10.

Karl Brown Oil company. Principal place of business, Bakersfield. Directors—F M Helm, K W Brown, Fresno, A B Bigler, C W Bakersfield, W J B Lee, Los Angeles Capital stock, $250 000, all subscribed.

Tolchester Oil company. Principal place of business, San Francisco. Directors—R B Mitchell' T K Startler and H Zadig of Alameda, F Lewis of Pleasanton and F P Bacon of Oakland Capital stock, $500,000, subscribed, $125.

Delano Oil company. Principal place of business, Delano, Kern county. Directors—H Quinn, D L Cecil, N H Doisy, E H Ramsey, B Thomas and A G Robertson of Delano and A B Smith of Fresno. Capital stock, $500,000, subscribed, $11,000.

Briscoe Oil & Mineral company. Principal place of business, Willows, Glenn county. Directors—C E Harlan, J M Silvey, C R Wicks, F McNorton and A W Sehorn of Willows. Capital stock, $500,000, subscribed, $300,000.

Green River Oil company. Principal place of business, Los Angeles. Directors—W H Anderson, Jr., W H Holmes, E E Powers, J E Falconer, Los Angeles, J W McClymonds, San Francisco. Capital stock, $1,000,000, subscribed, $1,250.

Napa Oil & Mining company. Principal place of business, Napa. Directors—L J Evans, B W Parsons, E Z Hennessey, C B Arnold, J T York, all of Napa. Capital stock, $1,000,000, subscribed, $5,000.

Progressive Oil company. Principal place of business, Fresno. Directors—I R Wilbur, San Francisco, W M Spencer, Selma. W Shaw, G A Wilson, W H Ingel. Capital stock, $200,000, subscribed, $20.

Northern Light Oil company. Principal place of business, Hanford. Directors—J D Fish, P E Newman, O C McFarland, F Richardson, R Irwin, all of Hanford. Capital stock, $250,000, subscribed, $10.50.

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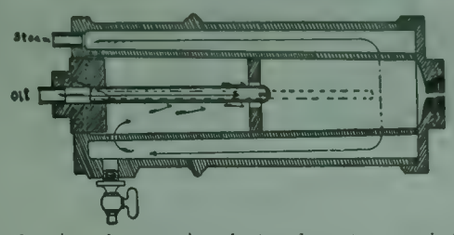

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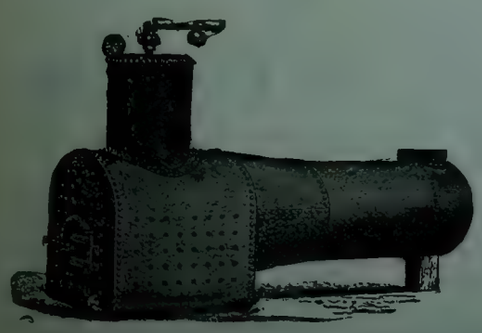

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BUTTE.

The well of the Feather River Oil company for oil is being sunk on what is believed to be a vein of natural gas, and it is thought by experts that a strong flow of gas will be discovered.

COLUSA.

The Rice-Miller company have secured control of 1180 acres of land northwest of Rumsey in Colusa county on Sand creek, and will start in boring wells within sixty days. Mrs. Miller owns 460 acres of this tract and the remaining 700 acres were leased from Eakles. They will first bore at a point about one mile from the Gorrell well.

Gorrell is now making preparations to sink a well at the mouth of Freshwater canyon on the Hofsburg place. Several years ago oil indications were discovered at this place and an attempt was then made to sink a well, but the parties being equipped with inferior machinery and poor casing abandoned the work when the well was sunk to a depth of about 500 feet.

FRESNO.

There are now ten producing wells and seven strings of tools going at Coalinga

The Independence Oil Company is now drilling in its fifth well and expects to finish it in a few days.

The Hanford Oil Company is down 400 feet in its No. 1, and has a fair showing of oil.

The Oil City Petroleum Company, No. 3, has 225 feet of oil in the hole and will make one of the best producers in this part of field. The company has two drilling rigs at work.

The Twenty-Eight Oil Company also has three good producers, and is at work drilling in its No. 4.

The California Rock Oil Company is drilling on its No. 2, as is also the Crescent Oil Company on its first well.

Other sections of the Coalinga field also show the same activity. On 22, 19-15 the Carbon Oil Company's No. 3 is shut in at present, awaiting the arrival of more casing.

The Corona Oil Company, on 32, 19-55 is down 400 feet in its first well in the Coalinga field.

The Confidence Oil Company, on 31, 19-15, is drilling on its No. 2 and the Ajax Oil Company on the same section is down 400 feet in its well.

The Blue Goose Oil Company on 20, 19-15, has not yet struck oil, although the drill is in over 2100 feet. If it is possible to drill to 2300 feet it will be done, as the oil sand is supposed to lie at the depth.

KINGS.

The directors of the Sunflower Oil Company held a meeting and considered the matter of working out the assessment on their land, located in the Devil's Den country.

The Consolidated Company, operating in Devil's Den, has been working on a fishing job for five weeks.

MONTEREY.

The Oil Canyon company has located a site for their well. The necessary plant has been shipped and will be on the ground within ten days, when operations will be commenced.

The Great American Oil company near Bradley, has commenced boring for oil

Del Monte Oil company, which will begin operations soon has located its site.

Jas. Dunn has made an agreement with John W. Welch of San Francisco for oil development on the Topo ranch. Mr. Welch agrees to begin operations within three months.

The Watsonville Oil company's new well is down about 500 feet. Work has been suspended this week because of the absence of Mr. Stearns on his wedding trip. Work will be resumed next week.

SAN BENITO.

A number of derricks are being erected in the Vallecitos Oil district.

Four new companies will commence boring as soon as the machinery arrives, now is in Tres Pinos.

The Ashurst Oil company has completed the derrick and will begin in a few days.

The World Oil company in the Panoche district has drilled over 600 feet.

A site has been selected for the rig of the Hollister etroleum Development company.

The San Benito County Oil company is making fine progress putting down the nine and five-eighths casing.

T. D. Boardman, C. H. Boardman of San Francisco and State Mineralogist Cooper passed through Hollister lately on the way to Vallecitos to locate a site for the first derrick of the Primavera Oil company.

VENTURA.

The Ojai company has found oil at about 400 feet.

A 40-acre tract east of Whidden-Double property was sold last week for $5000.

The Whidden-Double company has just entered the sand in its fourth well at about 260 feet. No. 3 is a steady producer.

The Santa Paula Home company is down between 300 and 400 feet in its first well, and has struck water and some oil.

The East Piru Oil company reports having reached a depth of 1140 feet with good indications for oil.

The Montana Oil company, operating on the Akers' property in the Sespe Canyon, have lost their tools in their well and are unable to regain them. Indications are that the well will have to be abandoned, and another one commenced.

A message has been received saying the Santa Paula Home Oil company, which reported such good luck last week, is now fishing for lost tools.

The Crown King Oil company have resumed work on their land after a few weeks' suspension.

No. 16 of the Buckhorn Oil and Transportation company, in Hopper canyon, has reached the oil sand and under a small pump produces 75 barrels a day.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwrttien the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

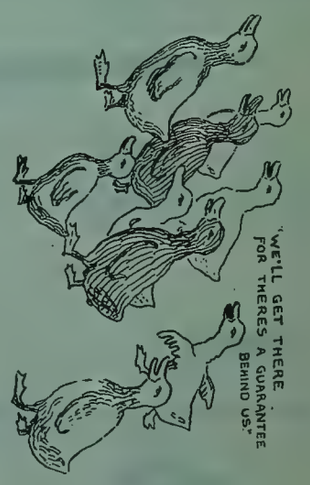
2nd The buyers are guaranteed DOLLAR fo DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily in stigated,

E. D. COOLEY, President,
W. B. BURROWS, Secretary



Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street

Rooms 44 and 45, for special inducments for short time

ORANGE.

The Carbon Canyon well was down [illegible] feet last week.

The Union Oil company has been fishing for lost tools in well No. 5.

Graham & Loftus have recovered the tools in well 11 and are drilling again.

The Brea Canyon Oil company is now pumping wells 1, 3, 4, 5 and 6 day and night.

The Standard Crude Oil company's well is down almost as deep as it was before the cave in a week ago.

As soon as the Carbon Canyon Oil company put its first well on the pump the Fullerton Home company will arrange to put a well down on its eighty acres three miles east of the Columbia wells.

Stockholders in the Pasadena Mutual Oil company, which sold its interests a few days ago received $3 for every dollar paid in for stock.

The Standard Crude Oil company, drilling in La Habra valley, is at work again. The company broke off a shoe in the bottom of the well recently and had to draw several hundred feet of seven and five eighths casing, which delayed drilling nearly a week.

No work has been done on the Puente Crude company's well during the past two months, and it is said no move will be made to continue drilling until an election of officers takes place. Proxies are being secured to be used at the election of a new board of directors.

HUMBOLDT

A report has been received that oil has been struck by the Wild Goose at 300 feet.

The Mattole is down 130 feet. Progress is slow, owing to the hard formation.

The Humboldt is down 500 feet.

Drilling is still going on at the Reed wells.

The Petrolia Paraffine Paint company is getting out timbers on the Hundley place and will begin boring in the spring. The boiler and engine are on the ground.

LOS ANGELES.

Drilling is progressing on Shirley's No. 18 in the local field.

The New Century at Placerita has successfully cased off a flow of water, and is now going down again.

Albright & Pierce have finished a fair producer in No. 4.

The Uncle Sam have 13 wells finished and is working on No. 14 on the West Side.

No. 8 of the San Gabriel Electric Light company is being drilled on Vermont avenue and Fourth street.

The Wellington and Wilson have stopped drilling in the local field for the present. The former has twenty-five wells producing.

The Sierra Oil company has finished No. 11 and begun No. 12 in the local field.

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To the workingman it may mean a home and competency; to the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famoso is capitalized for $350,000 Par value, $1.00 and is underwritten by the Pacific Coast Underwriting Company and guaranteed by the Continental Building and Loan Association of San Francisco, with assets of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

OFFICER

Jno. P. Albro - President
A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famoso Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid ut in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells and we are sure to get oil.

Call at our office for prospectus or information Correspondence solicited.

Office, Room 393 Parrott Building, = San Francisco.

Branch Office, 1330 E Street, San Diego, Cal.

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ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsak, president, F. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Shares 25 cents. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATIONC O.
Capital.....$200,000
20,000 shares at $10
Location. Ventura county, 150 acres two miles south of Buckhorn.
Officers- Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president; W I Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary; H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer, W M Walker, field superintendent.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital.....1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W. H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its tire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location N ½ of NE ¼, S 28 T 28, R 28 E, Kern River District; N E ¼ S 12, T 27, R 26 E, Poso District Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par

EQUITABLE OIL CO.
Capital..... .....$500,000
100,000 shares at $5.
Location: Kern county: Southwest ¼ of section township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E F Whitney, Frank Du Bois, Geo Magwood. Office—393 Parrott building, San ancisco.

GRAY GANDER OIL CO.
Capital..... .... $200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street.San Francisco.

GUINDA OIL COMPANY.
Capital..... ..... $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

GREAT NORTHERN OIL CO. OF OAKLAND
Capital..... .....$250,000
250,000 shares at $1
125,000 shares of treasury stock,
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

JS POTTS OIL, LAND AND DEV.CO.
Ca $600,00
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Ca.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53, Thurlow block, 126 Kearny st.
Chicago office— Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

M. C. Nunan, President M. L. Culver, Secretary

Daniel Meyer, Treasurer.

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GRAND PACIFIC OIL CO.
Capital.....$1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

HERCULES Oil CO.
Capital $100,000.—100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Plagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital.....$400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office: Room 435 Parrott Building, S. F.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $300,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors--Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr.A.S. Cook, president, M. F. Cochrane first vice-president, D. S. Stanley, second vice-president, F. F.Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO
Capital.....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, west, S B B and M, Sunset district.
Officers and Directors: W C Tighe, president; Joe Bancroft, vice-president; J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building, Madera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1, 000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 428c acre2.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire. Highland F. Finnell, D. B Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300 000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office--606 Hearst (Examiner) Building, San Francisco

OCEANSIDE OIL COMPANY OF ARIZONA
Capital..... .....$375,000
375,000 shares at $100 each.
Location: 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president: F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen San Francisco Agents. 346 Parrott Bldg. Telephone, Jessie 1683.

ORIENTAL OIL COMPANY.
Capital..... $100,000
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county, Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager
Office. Room 506 Parrott Bldg., San Francisco

PETROLEUM CENTER OIL CO
Capital.....$500,000
500.000 shares at $1.00
Incorporated. October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-Pesident, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland.
Office—Room 29, Third floor, Mills building, San Francisco.

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress, for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 42, fifth floor, Mills Building, San Francisco, Telepheno, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco, Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E, first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices, 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, town ship 15 south, range 10, east.
Officers and Directors—H W Conkling, president Allen Brant, vice-president; D A Porter secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pauder, M. M. Kahn, Max Kahn; W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY

Capital $[illegible]
[illegible] shares at $1.00 each
Incorporated, July 31, 1900
Land 200 acres in Sunset and Kettleman Districts
Officers and directors—Ambrose Harris, secretary; Tyrer A Bell, superintendent; [illegible] San Rafael; W H Day, [illegible] San Rafael; D C Campbell, Los Angeles; A H Hood, Pasadena; Reuben Lewis, L Barrett, San Francisco; H L Gee; Frank N Stone, attorney; Germania Trust company, treasurer
Offices, 611, 612, 613 Hearst Bldg, San Francisco

SURETY OIL COMPANY

Capital $[illegible]
[illegible] shares par value $1.00 each
Location, 240 acres in section 20 and 21, T 4 N R 19 W S B M, Los Angeles County, Calif, Newhall district
Officers and Directors, M Esternaux, President; Geo Greek King, Vice President; T H Pearne, Secretary; D A Thieme, M C White
Farmers and Merchants Bank, depository
Office, 101 Henne Block, Los Angeles, Calif.

SALINAS OIL COMPANY Incorporated October [illegible] Capital $[illegible] Number of shares [illegible] Land 2000 acres in Monterey county. Officers and Directors—President, W N McCarthy, San Francisco; vice president, J J Gunn; Independence, treasurer, W N McCarthy, secretary; J B Olsen, San Francisco, attorney; Hon. Eugene F Bert, San Francisco. Office—Room 581 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY

Capital stock [illegible] shares, par value $1 each
560 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer; Wm M Landess; W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No 17 Galtes block, Bakersfield, Cal.

THE RAVENOIL COMPANY.

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 50 100 acres in south half of south half of south half, section 6, 28-20, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president; C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch, Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

THREE STATES OIL CO Limited.

Capital.....$1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Oon E P Colgan, I N Pattison, M F Levy
Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital.....$300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO,

Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671

XLNT OIL COMPANY.

Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M
Office—552 Parrott building, San Francisco Cal

YUKON CRUDE OIL CO.

Capital.....$250,000
100,000 shares at $2.50
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.
Office 638 Market street, San Francisco

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A very excellent speculation. Will sell at 15 cents per share.

W. G. YOUNG

STOCK BROKER.

MEMBER LOS ANGELES OIL EXCHANGE

628 Laughlin Building, Los Angeles, Cal

A Splendid Opportunity

FOR INVESTMENT

Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.

We also have for sale or lease any part of section 26, township, 32 south, range 23 east, Sunset District, on reasonable terms.

ROOM 625, LAUGHLIN BLDG.

LOS ANGELES, CAL.

California Fortune Oil Co.

Incorporated under the laws of Arizona, November 7, 1900

CAPITAL, $500,000. 500,000 Shares, par value $1.00 each.

Stock Non Assessable. **Location, Section 34, 12-24, Sunset Distric .**

80 Acres in McKittrick and 320 acres in Coalinga Districts.

Our Derrick is Now Completed in Sunset

Drilling will commence in a few days, and rushed as rapidly as possible. Our Sunset property is surrounded by flowing wells, and the Monarch and Occidental wells (largest in the district) are on the same anticline. In the adjoining section the big well of the Golden Gate Oil Company is within one hundred yards of us. The Jewett-Blodgett & Beal well adjoins our section on the east.

Splendid Opportunity For Investment.

Only ten thousand shares offered at twenty-five cents.

Our land is in the proven oil district and there is no doubt but that we shall strike oil.

OFFICERS AND DIRECTORS.

A. R. Wooster.....presiden
Judr itz.....1st vice-president
R. nan.....2nd vice-president
E. Denic.....secretary

Wm. M. Madden.....attorney
W. C. Carpenter.....secretary Monarch of Arizona
A. McDonald R. L. Atkins
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Mining and Milling Machinery, Belting, Pulleys, Shafting, Engineer's Supplies.

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Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns.

Small capitalization. Economical management.

Write or call for a prospectus, map, etc.,

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AT McKITTRICK

Standard Well-boring Outfit in First-class Condition

Also 1300 Feet of Casing

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OIL LANDS

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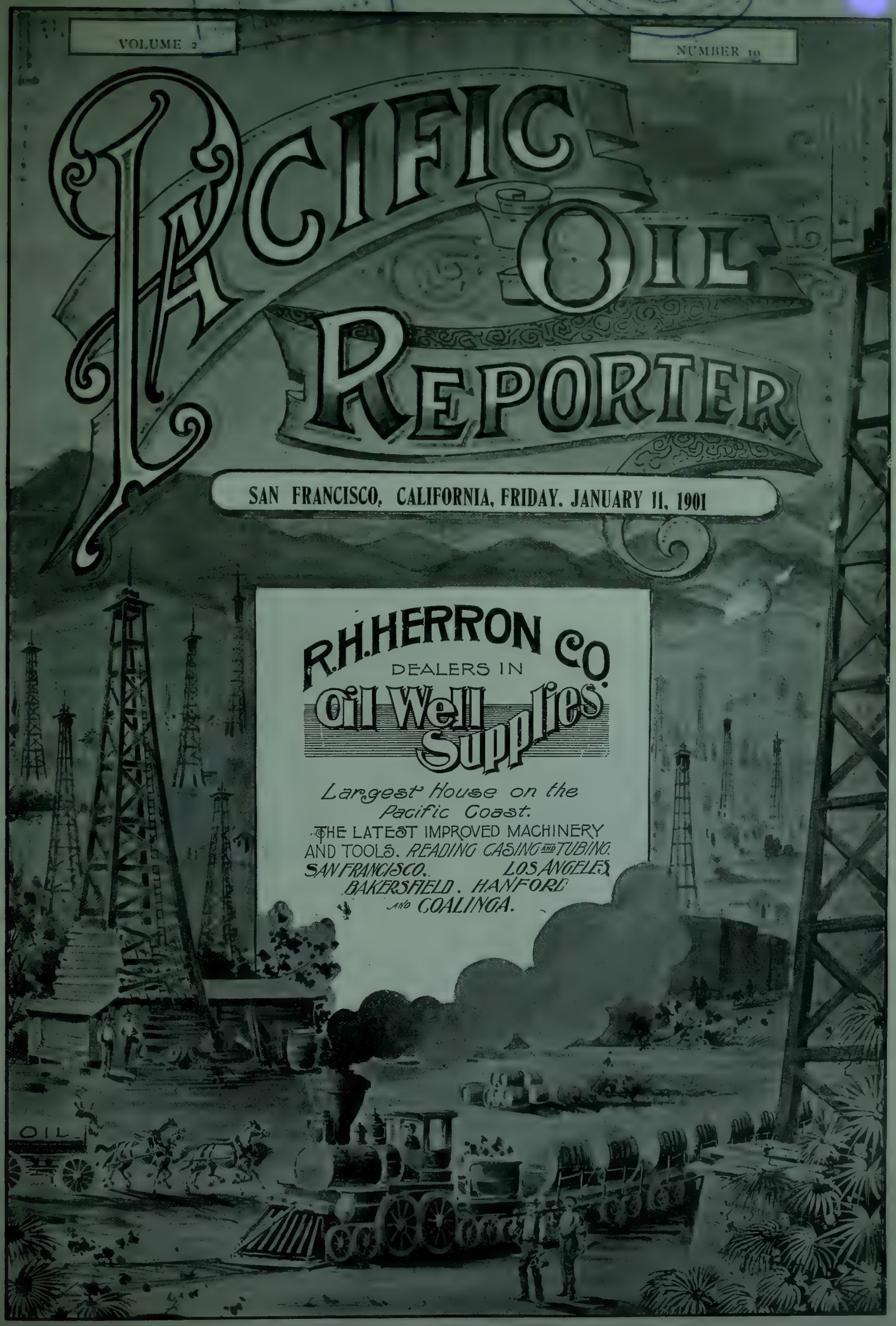
CALIFORNIA STATE

VOLUME 2

NUMBER 10

PACIFIC OIL REPORTER

SAN FRANCISCO, CALIFORNIA, FRIDAY, JANUARY 11, 1901



Opportunities for Investment

Our Drillers Are Rapidly Nearing The Oil Sand

The price of this Stock has Advanced to 75 cents a Share

OFFICE: ROOMS 417-418 PARROTT BUILDING, NO. 855 MARKET ST., SAN FRANCISCO, CAL., 'PHONE **Howard 346**

MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R. F. MORTON C.E.

Scale of Chains — Scale of Miles

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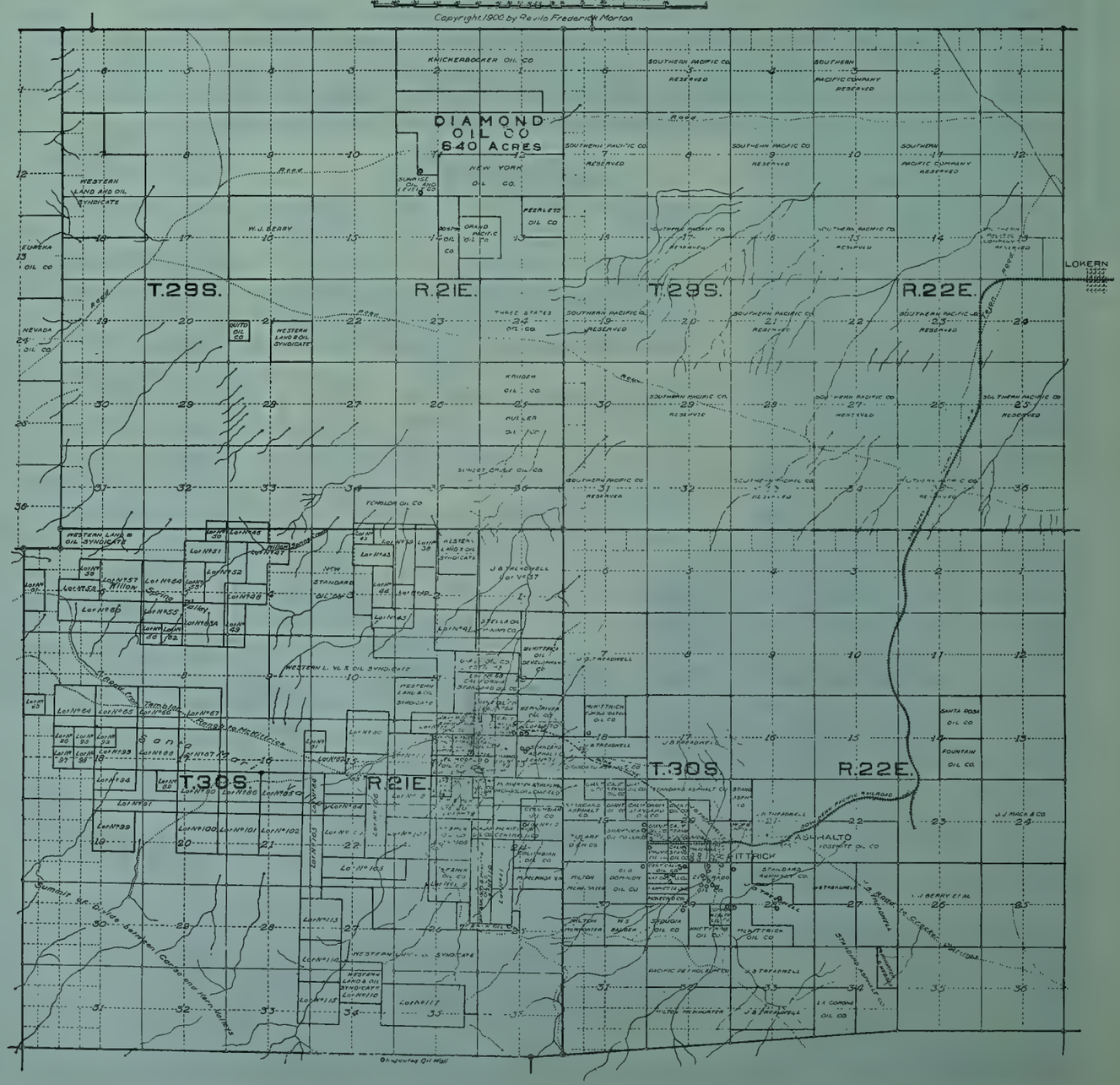

PACIFIC OIL REPORTER

Vol. 2 No. 10 SAN FRANCISCO, CAL. FRIDAY, JANUARY 11 1901 Price, Ten Cents.

OIL BENEATH THE SEA.

Remarkable Bituminous Formations in the Pacific.

Outcroppings Along the Marin County Beach to Be Exploited by a New Company.—Enterprise Promises Success

Yesterday the drill began dropping on a well which is to prove whether Marin county contains the Summerland of the North.

The Duxbury reef consists of a number of low jagged rocks which project out into the ocean in a southerly direction, forming the barrier of Bolinas bay on the west, over which the long roll of the Pacific breaks in calm weather, and where the surges of the southeasterly storms dash with terrific violence. These rocks, which look so sullen and uninviting from the shore, have a fascination for the oil men, for they consist of shale and clay, mixed with strata of bituminous sand. The oil-sand is hard from long exposure, but otherwise closely resembles the oil-bearing sands of the southern fields, except for being of a finer grain. Along the water line at the lowest of spring tides there is a natural gas escape, which tourists sometimes find amusement in setting on fire, and it burns until put out by the rising tide. A little pick and shovel work among the rocks brings seepages of oil to the surface, and on breaking open a piece of shale from the reef, a black, resinous asphaltum shows between the crevices. There are gaps in the continuity of the reef, which it is thought may be due to the removal of the softer oil-sand strata by the wear of the sea.

Along the foot of the cliffs facing the ocean can be seen the glistening of the oil as it floats on the surface of the water.

The dip of the formations of which the Duxbury reef forms an outcrop appears to be in a southerly direction, but the most careful examination of the Marin hills in the locality has failed to show a corresponding stratum which would form the other side of the anticlinal fold. So much alluvium has been deposited on the country rock that it is difficult to say what may be covered by it. The nearest metamorphic formation is found in the granite ledges of Point Arena, forty miles to the northward. Indications of the presence of oil in this locality have been noted for many years and during the oil excitement of 1865-67 the Bolinas Oil company was organized and prospected to a depth of several hundred feet on the Arroyo Honda, a short distance up the coast, but work was discontinued for want of funds.

With the revival of the oil industry in the south, new interest was awakened in the Bolinas Bay territory, and many efforts were made to induce the holders of the land, many of whom were of Italian-Swiss birth or descent, to give leases on their property for the purpose of prospecting for oil, but the promoters were strangers and no arrangement could be effected. Since then through the agency of L. G. Harvey, now secretary of the Bolinas Bay Oil company, this company has secured 1200 acres on the Baulinas Rancho, the property of D. Garzoli, T. Genazzi, Carl Peters and others, on township 1 north, range 8 west, M. D. B. M., and located their rate on the bluff just above Duxbury reef about two hundred feet from tide-water. Here they have commenced drilling under the superintendence of the general manager, F. E. Nelson, a Los Angeles oil man well known for his connection with the American Oil company of that city. Others connected with the company are J. T. Barraclough, of Oakland; R. Phelps, E. A. Bruguiere, and Attorney Martinelli. Some of the Santa Fe officials are also interested.

Although only organized in November last, the company has shown most commendable energy in getting to work in such a short time. A Standard rig has been put up, and every preparation made to go deep if necessary. There seems to be no doubt of the presence of oil, but the question of whether it exists in paying quantities can only be determined by actual drilling. Another company, composed of Pennsylvania men but not yet incorporated, is operating a few miles to the north on the Shafter estate. Success in striking oil in this locality would mean a great deal for Bolinas. It is several years since the surveys for a railroad were made to connect the locality with the North Pacific Coast Railroad, and rights of way were secured through the instrumentality of Mr. Harvey. Should oil be found in quantity the railroad would be built. At the present time connection is made with the railroad by stage, and when the weather permits connection is made with San Francisco, twelve miles distant, by schooner or other sailing vessel. It is as a result of Mr. Harvey's connection with the railroad enterprise that he secured the confidence of the isolated dwellers in the Bolinas Bay neighborhood, and in this way secured the oil rights on the property adjacent to the reef, where many before him had failed. His success in this undertaking has been a matter of surprise to many who knew the character of the land-owners of the district and their unwillingness to enter into any combine.

It is a matter of no little significance if oil should be found so near the city of San Francisco, the great central market for the California fuel production. Should it be found on shore there is little doubt but that wharves will be run out into the water, as is done at Summerland in Santa Barbara county, where the producing area extends only a short distance back from the shore line, but the wells increase steadily in depth and amount of production as they go out to sea.

Duxbury Reef, Near Bolinas, Marin County, Showing Outcropping of Bituminous Rock and Shale.

May Be Overruled.

Reports from Washington say that there is serious danger that the decision of Commissioner Hermann in oil lands case be overruled by the secretary of the interior. Scrippers have attorneys there and a very strong lobby and have succeeded in giving the impression that the influential sentiment of California is on their side. The contrary situation is not definitely enough represented to be effective.

The secretary has recommended positively against the bill pending in senate committee defining rights of mineral claimants.

The effect of this report will be extremely difficult to overcome Oil miners should organize and see that strong representations are made to the secretary of the interior and also by the senate committee on public lands.

IN THE KERN RIVER DISTRICT.

THE BOUNDARIES OF THE DISTRICT BEING RAPIDLY EXTENDED.

This is Particularly True of the Southwesterly Portion of the District Where the Standard Oil Company is Erecting Its Oil Tanks.

Any one who has not seen the oil fields of Kern county should do so at the earliest opportunity.

The oil industry is already one of the greatest industries of the state. It will soon be by far the greatest.

If you think I am drawing a long bow in making the above statement, go to Bakersfield, and take a day's trip. You will return just as enthusiastic as is everyone else who has visited the fields recently, and you will cease to wonder how it is that in five days $125,000 worth of stock were sold in the formal sessions of the Producers' Oil Exchange.

The trip to Bakersfield can be made with absolutely no loss of business time or of sleep. You can go on a Saturday either by the Southern Pacific or the Santa Fe, the former leaving at 5 p. m., the latter at 8. The Owl train carries a Bakersfield Pullman, which is set off at Bakersfield, and the occupants of the car can rest all night and wake up in the morning as fresh for a long drive as if they had slept in their own beds at home.

The team should have been engaged in advance. There are a number of large livery stables in Bakersfield which carry a surprisingly large number of rigs. But the demand for rigs, especially on Sunday, by those who visit Bakersfield from all portions of the state, is something enormous. Last Sunday at least 100 teams, mostly of two horses, went out from Bakersfield in every direction—some to various points in the great Kern River district, some to Sunset, some to Midway, and others to other nearer but none the less promising oil regions.

Another thing of importance is that unless you or one of your party are well acquainted with the roads you should engage a driver who is able to take the short cuts over the open desert which are being made by the teamsters in hauling to and fro from the wells, and who will also be able to point out the wells which are most noticeable on account of large production or other reasons.

In driving out of Bakersfield you will notice that not only is there not a store or dwelling in the city to rent, but that on all sides business blocks and dwellings are being erected. As fast as the foundation of a store or a dwelling is set the building is rented. And the rents they get there would make a San Francisco or Oakland real estate holder turn green with envy. A $1000 cottage, cloth and paper at that, is worth $25 a month easily, and a little store on a side street that a year ago was out of town is worth $100 a month at the lowest. Chronic kickers like our friend Baldwin—not "Lucky," but one of the others—should move to Kern county muy pronto, where they can build and rent, build and rent, to their heart's desire and have no lack of tennants.

Kern River, from Which the Kern River District is Named.

To get to the Kern River district you go out across the track to the river, cross the bridge, and turn due north toward the spur track running from the main road about ten miles up through the oil fields.

The first derrick passed is only about a mile and a half from town. It is all complete, only a few tools being wanted to enable the men to commence work at once. By the time this paper goes to press work will have commenced. A great deal depends on whether or no oil is struck so near the city. If it is struck it means that the Kern River oil district is enlarged very materially in a southwesterly direction.

The company operating here is the Pacific Coast Oil and Development company, and its officers are the following San Francisco business men: Charles D. Ford, F. W. Carey, L. D. MacDonald, Jos. S. Gill, Jas. H. Boyer, and S. F. Allen. These gentlemen had a most careful examination made of the land before investing, and are confident that at about 1100 or 1200 feet they will strike the third stratum of oil sand, which will give them an abundant quantity of a high gravity oil. That their opinion is held on a substantial basis will be seen later on. They will undoubtedly be the means of extending the boundary of the Kern River district south and west.

Crossing the spur track we saw coming up the train of empty tank cars which is daily loaded with oil from this district. The number of cars on this train is growing larger every week as the output of the field increases. A short time ago the train was considered very large when composed of twenty-five cars. Sunday's train had thirty-four cars, and by Feb. 1st will have forty and more. Think of it. Each car has a capacity of 150 barrels; 36 cars will transport 5,460 barrels, and 5,460 barrels a day for a year means an annual production of 1,992,900 barrels. Doesn't that jar you? And from one district alone.

If California does not go into manufacturing on a large scale it will not be for lack of cheap fuel.

Riding up the track a hundred yards we saw the forty acre tract recently secured by a well-known gentleman for a company he is organizing which is supposed to be a close corporation. Tell it not in Gath for thus far it has been kept a secret. Only a few intimate friends of the principal are "in" on the secret. But they have an elegant piece of property. It is beautifully situated. They have producing oil wells near at hand, and the Pacific Coast Oil & Development company will be drilling southwest of them on the adjoining forty acre tract next week. The president of the company is Honorable William H. Mills, the head of the land department of the Southern Pacific company. One of the gentlemen connected with him is Mr. A. F. Morrison, the prominent attorney. The other gentlemen connected with the company are principally members of the Southern Pacific company, and that they have a good thing is a sure proposition. The railroad runs right by their land, and opposite them are the tanks of the Standard Oil company.

These tanks will soon be one of the most prominent features of the Kern River oil district. One only is finished, but the material for the other four is on the ground. Each tank is 93 feet in diameter, is 36 feet high, and holds 30,000 barrels of oil. So that the Standard Oil company alone will soon be handling 150,000 barrels of oil a day if necessary of the product of this district alone.

The company is now beginning to lay pipe in different directions over the field and will soon be in a position where it can afford a market to the producers at a fair price, thereby doing away with the insane competition and everlasting hustling after buyers that is now a lamentable characteristic of the oil industry.

These tanks of the Standard Oil company are being erected by the Lacy Manufacturing Co. of Los Angeles. The company employs a small army of laborers and has erected a nmmber of substantial and well turnished houses for their use. They give the men 27½ cents an hour and furnish everything.

At present the most southwesterly well in the district now being drilled is on land adjoining that now owned by the Wm. H. Mills syndicate, and is on 7, 29-27, almost opposite the tanks of the Standard Oil company and on the other side

of the track. The parties putting down the well have forty acres, and have every faith that they will strike oil at about 850 feet—that is, the first oil sand. The oil found in the first and second strata of oil sand in this district is of the black, heavy kind, more like liquid asphalt or tar than anything else. It can be used for fuel if carefully handled, or if thinned out by having oil of a higher gravity properly mixed with it. The best fuel oil, however, is that obtained from the third sand, which it has been proved, is struck in this part of the district at a uniform depth of from 1,100 to 1,200 feet.

This company is called the Seven Oil company, and one of the principals is Winfield S. Davis, the insurance man. The well is now about 350 feet. The company is a close corporation.

About 1500 yards almost due north of the Seven Oil company's well the Crocker people are drilling with one of the finest rigs yet seen in the field. They are down several hundred feet, have a fine crew, and are confident of striking oil.

One thing is evident about this extreme southwestern part of the district, namely: The men who are at work on the rigs are absolutely certain of striking oil at a reasonable depth.

They base their belief mainly on the fact that the Arizona Western, located 500 yards east of the Crocker well, struck oil at 840 feet, has now over 200 feet of prolific oil sand, and struck the third sand at 10< feet, which yielded a light gravity oil. At this interesting stage a string of tools was lost in the well, and in fishing for them, the fishing tools were lost also, and there you are. A good well, struck oil, and the well practically good for nothing unless those tools are gotten out. If they don't lose a third string they will be lucky. But the ground is proved.

Due west of the Arizona Western is the fine well of the Grace Oil company in section 8, and only a short distance due north of this are the great wells of the Monte Cristo Oil company.

Next we visited the San Joaquin wells. What an illustration of the importance of the oil industry, and how it shows also what great care, business judgment and mechanical skill is necessary to develop the oil, pump it, store it and send it to market.

Night and day the engine is at work, and through its power the pumping jack revolves quickly, powerfully, incessantly, every revolution sending out from each one of the seven wells in succession a torrent of black oil which means money.

The stock of this company has advanced in a year from $1 a share to $13 a share. Yet these seven wells now being "jacked" could all be located on a 2½-acre field.

The company has over 400 acres of land, every foot of which is good oil land. No wonder the original stockholders and promoters tread proudly and feel they own the earth. They have a right to.

Near by are the great wells of the Aztec, the Kern, the Four, the Reed and other well-known big producing companies.

But why continue when the story is the same with each mile of the journey? Suffice it to say that we circled from the east to the north and then westerly, not reaching the limit of the field by any means, but finding rigs everywhere. Some wells were being pumped, some had struck oil, some were being perforated, some were drilling and more were getting ready to drill.

Some companies were operating on large tracts, some on small. Just what a "small" oil tract is it is hard to say. A year ago we used to talk about 1000 and 2000 acre tracts. We do still in some oil districts.

In Kern we used to think a section a small holding; then a half section became a small holding, then a quarter, then eighty acres, then forty acres, then twenty. Now in Kern if a company has ten acres of good producing oil land they think they have the world by the ears. One thing is sure, viz: That when any company gets all the land on a twenty acre oil tract covered with derricks, and has every pump at work, it will do more than any company has done yet, and more than any company will do for a long, long time. Twenty acres, even, "all in oil," means a heap of work, lots of money invested, and last if not least, a fortune in oil.

In the evening the lobby of the hotel at Bakersfield was crowded with excursionists returned from the various districts. One group would be singing the praises of the Kern River, another of McKittrick and its flowing wells another of Midway, and some had returned from a two days' trip to Sunset. All told the same story of enthusiastic belief in oil. Everything was oil. Everybody was rich or was going to be very shortly, and even the ladies, bless 'em, who were on the Pullman on the way home, and had visited the oil fields, were just as enthusiastic as

(Continued on page 6.)

Oil Stock with a Value...

Limited Offering at 75 Cts. per Share

If contemplating a purchase of oil stock, we respectfully submit a few reasons why we expect to interest you in —

The Sovereign Oil Company

We own 160 acres and have a lease of 20—180 acres in all, all located in the famous Kern River Oil District. Ownership means an absence of costly litigation to protect title. We own all machinery upon our land, including two Standard drilling rigs.

Progressive management, demonstrated by following facts: Incorporated on October 15th, 1900, and on December 6th (5 days thereafter) had **two wells in oil.** Location of property insures large profit from all oil shipped, because near railroad No costly "hauling" to prevent **any profit** on shipment. Title to property U. S. patent, meaning an asset behind s tock.

Our reliability and progressiveness not an experiment. Proven by record of Sterling Oil and Development Company. The Sovereign is under same management. Prospectus and maps are free for the asking.

10,000 shares at 75 cents per share. Orders filled in rotation of receipt, and the right to revoke this offer, without notice, reserved by company.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W. B. WINN, Editor and Publisher

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, JANUARY 11, 1901.

Fuel Oil in the East

While the high price of coal in California promises a steady market for fuel oil, in the manufacturing sections of the East and Middle West liquid fuel has been maintaining a high price relatively with coal, with the natural result of a return to the cheaper fuel. It is stated on good authority that there has been a reduction of 80 per cent in the use of oil for steam boilers in Chicago recently. There are some branches of industry, such as some departments of iron and steel works, where a saving of time and labor is a leading element that oil is given the preference, because heat from oil is produced quickly and does not require constant attention, so the difference in price is counterbalanced by other economies.

The Oil Paint and Drug Reporter states that about four years ago the Cudahys, then dabbling in oil, secured a five-year contract with the Union Traction company of Chicago for fuel oil at a given price. During the pendancy of this contract the market for crude oil declined and the traction company for a long time was compelled to take their regular supply of oil at something like 20 cents per barrel over the current figures. Later and at the present time the market has ranged at 30 cents to 40 cents above the company's contract price, so the oil people are doing the squirming now. But the coal values have also shifted, and it is doubtful if any net gain has been made in the use of oil, even when the saving in labor, quick results, etc., are taken into consideration. At the Rockwell street power house of the traction company there is a stand of twenty-four boilers, twenty of which are being refitted with coal-burning furnaces. The remaining four are held for quick-heating-and-power service.

The real reason for the return to coal-burning boilers in the East is that the oil has become too valuable in other ways to be used for this purpose, so that the changed condition is favorable rather than otherwise. The South Lima and Indiana oils, which are low gravity products similar to the Kern River output, as a result of recent improvements in refining processes, have been made to yield illuminating oil and other valuable products, and consequently they are being withdrawn from the fuel oil market, and it is not improbable that similar improvements will help to maintain a good market for Pacific Coast oils. At the present time the high price and scarcity of coal here places it at a great disadvantage, and it is the opinion of eastern experts that fuel oil will displace coal entirely in California, and possibly in other Coast states.

Advertising the State

The "Oil World" is a magazine published in London which, as its name implies, is devoted to the oil industry and which circulates throughout the British possessions.

The last issue of this journal which has been received contains a full page of California news taken entirely from the columns of the PACIFIC OIL REPORTER.

Mention is made of this simply to show that the oil industry of California is advertised not simply through the columns of the PACIFIC OIL REPORTER directly, but that the oil news which this paper contains is copied extensively by every oil journal published in America and the British possessions.

The OIL REPORTER is the only journal on the Pacific Coast devoted entirely to the oil news of the coast and it is doing more for the oil industry than all the rest of the publications taken together which dabble to a certain extent in oil news.

The Kern River District.

(Continued from page 5.)

the men, and one sweet girl certainly confessed that she had some money laid away which would soon be invested in oil stocks. May they increase in value a hundred fold.

The last thing I remember of hearing as I turned in was the remark of some one, "I believe that well when free from sand will go 500 barrels a day sure;" and the other replied, "Five hundred nothing! She is good for 1000 if she is good for one," and that's the last I knew.

The Confidence Oil company is finishing up its No. 3 well at Coalinga, which is an excellent one. It has been rigging up for work on well No. 4 and began drilling the first of last week. The company has now two good wells producing and is rigging up a pumping jack.

SUNSET LIMITED

For the season of

1900=1901

Tri = Weekly

LEAVE SAN FRANCISCO	LEAVE LOS ANGELES
Mondays	Tuesdays
Wednesdays	Thursdays
Fridays	Saturdays
5 p. m.	8 a. m,

Arrive New Orleans 7:30 p. m., Mondays, Thursdays, Saturdays.

MORE BRILLIANT THAN EVER
NEW EQUIPMENT
IMPROVED SERVICE

Secure time tables and any desired information from any agent of the Southern Pacific Co.

BEGIN THE NEW YEAR ARIGHT

Great activity in oil has marked the dawn of the new year and those investors who place their money right will reap a fortune. The value of an investment is determined by the profit it yields, and a good investment can be turned into cash when necessary. This company offers you the

Opportunity of a Century

We do not keep you anxiously waiting for months, and possibly years, to see what your investment is earning, but by rapid transactions and judicious operations we give our investors a **Settlement Every Month.** Reliable experts in our employ keep us constantly supplied with the latest reports direct from producing centers.

FULL PROTECTION FROM LOSS

Is assured, as entire investment may be withdrawn at any time, according to agreement. Profits are **Paid in Cash** every month as earned. $25 and upwards received for investment. If you are interested in oil and want to make money write to us. **We will put you right.**

FULL PARTICULARS WITHOUT COST.

Standard Oil Promotion & Investment Co.

INCORPORATED.

LICENSED BY UNITED STATES GOVERNMENT.

575-576-577 Parrott Building = = San Francisco, Cal.

For Sale

200 SHARES OF THE

BACHELORS OIL CO.

Price 35c per Share.

Address E. O. MILLER,
Visalia, Cal

The Road to Wealth

Headquarters School and Government Lands.

Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick. Devil's Den, Mojave Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

WISEMAN'S LAND BUREAU

237 W 1st street
Los Angeles, California.

Thomas Price & Son

Analytical and Consulting Chemists

526 Sacramento street, San Francisco

AMERICAN STEEL AND WIRE COM'PY

Pacific Works

The only Wire Rope Factory on the Pacific Coast.

We make

Wire Ropes, Cable and Hawsers

For all purposes and with every possible combination of Wires-steel and Iron, galvanized or plain.

Wire Ropes Of all Kinds For Oil Well Purposes

And all fixtures and appliances for the use of Wire Rope

Send your orders to

American Steel&Wire Co.

LOS ANGELES—No. 206 North Los Angeles St.
SAN FRANCISCO—No. 8 & 10 Pine St.

NEW WATER SUPPLY.

Preparations to Furnish the Confidence Group of Oil Properties at Coalinga.

Coalinga operators have hitherto been dependent for their supply of water upon the Coalinga Water Company, which, under the superintendency of J. A. McClurg, has sent two wells to a depth of 275 feet on the plain a few miles north of Coalinga. The water from these wells is forced by means of a great Dow pump to the oil fields six miles distant, at an elevation of nearly 300 feet above the surface of the wells. The oil field uses about 15,000 barrels of water a day. Besides the McClurg wells Chanslor & Canfield have water wells of their own, and a new concern called the Brix Water Company is now developing a supply for the oil men operating in the Confidence neighborhood. Their wells will be located on section 12, 20-14, one mile south of the Confidence Oil company's wells and just within the lower range of hills. In this locality an abundance of water can be obtained at a short distance below the surface. In the company's first well, which was recently completed at a depth of 112 feet, the water rises to within sixty feet of the surface. The second well is being put down rapidly, and is now 100 feet deep. The company has made contracts for pumping machinery and pipe, and delivery will begin at an early date, as several oil companies are delaying operations until they can secure a sufficient supply of water.

RE-LOCATIONS.

Activity Among Claim-Jumpers on Undeveloped Claims.

Of the 150,000 acres of oil land taken up on the west side of the San Joaquin valley, it is estimated that two-thirds has not had the $100 worth of assessment work required by law done upon it. In some cases the land was considered of too little value to warrant the expense, but there are instances in which really valuable land has been neglected by owners through oversight or inability to do the work. Reports from Bakersfield state that most of the re-locations in that neighborhood were made by the original owners or other parties on land not considered worth taking up a second time by the original owners. Owners in this neighborhood were generally careful to comply with the law. At Fresno re-locators began to form in line at six o'clock in the morning, and by four o'clock there had been filed 425 entries including 100 sections or nearly three townships, and the fees amounted to $650. Near Madera a party made an attempt to relocate the 2000 acres of oil land belonging to Grayson Oil company in the Coast Range, but it is said that with the exception of 320 acres the locations were made in February 1900, and that another year is allowed for the necessary work. It is said that re-locators in the Devil's Den country were obliged to keep their distance at the point of a Winchester, but reports from this country have always had a flavor of fairy tales, and are to be received with caution.

A stampede took place from Bakersfield to San Luis Obispo county opposite the Temblor country, and not a horse that could be hired was left in that town. One of the locators, Mr. Craighill, filed on claims covering 3,600 acres on behalf of himself and partners, the first location dating from 12:01 o'clock. Lights were seen bobbing up and down on the hills around Temblor at this hour, and erecting monuments and posting of notices was the order of the day. Forty-four oil locations were filed with the Recorder of San Luis Obispo county at an early hour.

Good Prospects.

The Jacalitas Oil Company which is operating in the Kern River district, is about ready to begin operations with the new Eastern casing which has given such good results in the fields where it has been used. The progress so far has been very satisfactory and with the improved facilities afforded by their new machinery and casing, it should not be very long before very gratifying results are obtained by this hustling company.

Mr. Edwards, the president of the company, has recently returned from Bakersfield and expresses himself as fully satisfied with the progress and outlook.

A Friendly Notice.

The PACIFIC OIL REPORTER'S holiday edition—a 52-page affair, liberally illustrated—is a most creditable issue, and will doubtless contribute much to the development of public interest in our oil industry. The plentiful patronage it received from the oil companies of San Francisco shows that these companies have both pride in the petroleum industry and an intelligent appreciation of the advantages of publicity.—Oil Era, Los Angeles.

The Santa Clara Oil company is putting in a new rig and will continue work on well No. 1, which is now down between 1000 and 1100 feet. A. B. Campbell of San Jose is the superintendent.

Capital, $200,000 No. Shares, 200,00

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days

Write to **J HEDSON, Secretary and Manager Central Bank Building, Oakland Ca,**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. All stock to be raised to 50 cents January 15, 1900.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company

504 PARROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non - Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows

Sunset and McKittrick District, Kern County
Coalinga District, Fresno County. Kettleman District, Kings County.
and Contra Costa County

ECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful development is absolutely assured.

12,000 SharesSold in One Day.

One Hundred Thousand Shares Sold in Less thanThree Months

Second 100,000 sha es now selling rapidly at $1.00 per share; will probablybe sold by January 15 wh en 3 100,000 shares will be placed on the market at $2.50 per share.

The Officers of the Company are all well-known business and professional men

A. G. Deardorff.....President
J. M. Merrell.....Vice-President
John Choice.....Secretary
Wells-Fargo Bank.....Depository
F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
John Choice J C Sala F. A. Berlin
R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO Tel. South 740.

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

OVER THE $200,000 MARK.

The Week's Sales of the Producers' Oil Exchange Will Soon Reach a Quarter of a Million.

CALIFORNIA STANDARD.

300	at	27	81 00
5300	at	38	2014 00
4200	at	37	1554 00
500	(B 30)	38	190 00
1900	at	36	684 00

CARIBOU.

1150	at	53	609 50
500	at	54	270 00
740	at	55	407 00
2650	at	60	1590 00

CONTINENTAL

200	at	1 25	250 00

DOMINION

200	at	40	80 00

FOUR OIL CO

3200	at	59	1888 00
5500	at	58	3190 00
165	at	57	94 05

HANFORD.

3	at	123 00	369 00
6	at	120 00	720 00

HANFORD-FRESNO-KERN RIVER.

2500	at	38	950 00
500	(S 30)	38	190 00
1000	at	40	400 00
600	at	44	264 00
1200	at	48	576 00
1000	at	47	470 00
500	at	46	230 00

HOME OIL.

200	at	4 20	840 00
500	at	4 15	2075 00
600	at	4 10	2460 00
525	at	4 00	2100 00
200	at	3 95	790 00
325	at	3 90	1267 50
50	at	3 75	187 50
550	at	3 85	2217 50
50	at	3 80	190 00
10	at	3 70	37 00

INDEPENDENCE.

300	(B 60)	22	66 00
800	(B 30)	22	176 00
1500	at	22	330 00
788	at	21	165 48

JUNCTION.

600	at	64	384 00
1350	at	63	610 50
1200	at	62	744 00
300	at	61	183 00

KERN RIVER.

215	at	16 50	2547 50

KERN OIL

1139	at	10 80	11,595 50
400	at	11 00	4400 00

LION.

4700	at	20	940 00
5950	at	19	1130 50
8800	at	16	1408 00
3700	at	17	629 00
500	B 30	20	100 00
2500	at	15	375 00
1500	at	18	270 00

MCKITTRICK

600	at	35	210 00
67	at	30	20 10

McKITTRICK CONSOLIDATED.

150	at	40	60 00
50	at	41	20 50
200	at	38	76 00
500	at	32	160 00
100	at	30	30 00
600	at	25	150 00
200	at	26	52 00
140	at	20	30 00

MONTE CRISTO.

1150	at	2 15	2472 50
400	at	2 10	840 00
700	at	2 00	1400 00
1000	at	2 05	2050 00
200	(B 60)	at 2 10	420 00
200	at	2 20	440 00
1200	at	2 25	2700 00

MONARCH OF ARIZONA.

1000	at	65	650 00
2805	at	68	1847 40
2200	at	70	1540 00
400	at	71	284 00
1000	(B 30)	at 69	690 00
1000	at	69	690 00
300	(B 30)	at 68	204 00
700	at	67	469 00
400	(B 60)	at 69	276 00

OCCIDENTAL OF W. VA.

750	at	65	487 00
142	at	63	91 46

OIL CITY PET

25	at	36 50	912 50
30	at	36 00	1080 00
15	at	35 00	525 00

PETROLEUM CENTER.

3255	at	26	846 30
1000	(B 30)	at 29	290 00
1425	at	29	3610 50
1200	at	28	3444 00
4500	(B 30)	30	1350 00
500	(B 60)	30	150 00
500	(B 60)	30	150 00

QUEEN ESTHER

250	at	58	290 00
150	at	59	88 50
750	at	60	450 00

PEERLESS.

500	at	5 00	250 00
300	at	6 00	180 00
500	at	5 75	287 50
50	at	6 37½	318 25
500	at	6 25	312 50
250	at	6 50	1625 00
100	(B 30)	at 6 02½	602 50
100	at	6 75	675 00
150	at	6 87½	1031 25
100	at	7 00	700 00
250	at	7 25	700 00
50	at	7 75	407 50
300	at	8 00	2400 00
130	at	8 25	1072 50
250	at	8 37½	218 75
175	at	8 50	1517 50
100	at	7 37½	737 50
120	at	9 00	1080 00

REED CRUDE.

7450	at	70	5215 00
11600	at	69	8111 00
700	(B 10)	at 70	490 00
50	at	67	33 50
5000	at	71	355 00
11100	at	73	8103 00
9500	at	74	6680 00
4000	(B 30)	at 76	3040 00
1000	(B 60)	at 76	760 00
9700	at	75	7275 00
300	B 10	at 73	219 00
3250	at	72	2342 00
1000	(B 30)	at 77	770 00
100	at	76	76 60

SUNSET (ORIGINAL

100	at	42	42 00

STERLING O & D.

200	at	3 00	600 00
2200	at	3 10	6820 00
30	at	3 25	97 50

SAN JOAQUIN O & D.

155	at	13 75	1856 25
225	at	13 25	2981 25
350	at	13 50	4725 00
565	at	12 75	7203 75
260	at	13 00	3380 00

TWENTY-EIGHT

700	at	2 45	1715 00
200	at	2 47½	495 00
400	at	2 40	960 00
350	at	2 35	822 50

THIRTY-THREE.

100	at	13 75	13 75
150	at	13 50	20 25
100	at	12 50	12 50

WEST LAKE.

1300	at	22	286 00
1200	at	23	276 00

WEST SHORE.

300	at	3 75	1125 00
300	at	4 00	1200 00
20	at	3 90	78 00

YUKON.

50	at	52	26 00
200	at	55	110 00
200	at	59	118 00

WOLVERINE.

500	at	1 40	700 00
100	at	1 45	145 00
200	at	1 47½	295 00
1725	at	1 50	2587 50
550	at	1 52½	838 75
1400	at	2 00	2800 00
200	at	2 05	410 00
100	at	2 10	210 00
200	at	1 90	380 00
500	at	1 95	975 00
500	at	1 55	775 00
350	at	1 60	560 00
200	at	1 80	360 00

Shares 209,510 Amount $200,769 54

The Petroleum Center.

The Petroleum Center have struck oil in their well No. 5 on 28, 28-28, and are now in the live oil sand 25 feet, with the 9⅝ casing still going down. This promises to be a fine well. They are also down over 700 feet in the two new wells on section 24, 28-27, with the work progessing nicely.

Scripper Cases.

In a brief opinion handed down a few days ago, Judge Welborn of the United States district court decided that where two parties claim the same oil land, neither shall govern the other by injunction until they have their several titles adjudicated by the general land office. The issues were set forth in the two separate cases of the Etna Petroleum company vs Henry P. Cripps et al., on injunction. Both parties to the action assert title to the same oil lands in Fresno county, and some weeks ago the Etna secured an injunction preventing Cripps from exploring for oil. This injunction was dissolved and an application for a similar injunction denied. The court held that equity would not permit either party to despoil the property while its title was being determined in the land office. The defendants were not to be prevented from making such explorations as would enable them to overcome, if they could, the prima facie evidence as to the character of the land as determined by the government survey. Consequently both parties are in possession of the land. The petroleum company put scrip on the land and will now have to wait until the land office settles the scrip question.

Cut off the Water.

Chanslor & Canfield have forfeited their rights to property on section 17, 19-15, Coalinga field, by reason of failure to carry out development work called for by lease. The owner has brought suit to secure possession, and has sent an agent who has cut the water lines from the springs and tanks on 17 which supply the Chanslor & Canfield rigs and boarding-houses. It is said that defective title cut a figure in the failure to sell this property.

Oil Men, Attention!!

The Occidental Exploration Company buys, develops, exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

F. H. HAUSMAN, Secretary.

Room 32, 8th Floor Mills Bldg.

San Francisco, Cal.

The Champion.

A new company has recently been organized at Benicia, composed principally of Solano county people, who have leased 300 acres of oil land from the World Petroleum company, in the Panoche valley. They expect to begin operations at once. The chief officers are: R. Barcar, W. S. Crooks, S. J. Johnston, C. Durner.

TWO DRILLERS

Want Positions at Once.

J. W. PHILLIPS, for 23 years a practical driller. Just from Sumatra.

ARTHUR ROUSE, for eight years a practical driller. In Sumatra nearly three years.

Both the above have just arrived in San Francisco, having left Sumatra for climatic reasons. Best of references. Only first-class companies need apply.

Address: Room 15, NW corner of Third and Howard streets, San Francisco.

ADVERTISER

Having unusual facilities for placing Development Oil Stock in the East, desires four months' option on about 200,000 shares. Plausible prospects and investigable company standing essential. Address: "G. J.," PACIFIC OIL REPORTER office.

SALE AT COALINGA.

No Sale by Chanslor & Canfield Other Property Goes Through.

In consequence of the failure of some of the leading brokerage concerns in London just before the close of the past year, Balfour, Guthrie & company of San Francisco, were unable to avail themselves of the option they held for six months, terminating January 1, on a large part of the Coalinga holdings of Canfield & Chanslor. Up to almost the last day the holders of the option were positive that the sale would go through, but the temporary panic resulting from the failures mentioned, it is claimed, put a quietus on the proposition just at the time the first installment of the purchase money was to be paid. A plea was made for the extension of the option for at least one month longer, but Canfield & Chanslor declined to accede to the request. Messrs. Canfield & Chanslor were not anxious to dispose of the property, and are disinclined to tie it up longer.

A good price was paid Canfield & Chanslor for the option, and in manipulating the proposition to almost a climax of success a great deal of expense was incurred. It is figured that between the cost of the option and the expenses an outlay of $50,000 has been made. It is probable that the greater part, if not all, of this came out of the firm of Balfour, Guthrie & Co.

Greater success attended the effort to dispose of the Coalinga property of the California Oil & Gas company, comprising section 13, 19-14, and sections 9, 15, 19, 21, 27 and 29 in T 19, R 15, of which ex-Attorney-General Hart is the leading spirit. The option on this property was held in connection with that on the land of Canfield & Chanslor, and the deal represents a transaction of approximately $910,000 of which $600,000 is cash, with a 1-5 interest in the property, which is capitalized at $3,000,000. A portion of the purchase money has been paid on this transaction, with a very limited time for the balance. This land is not producing.

If the Canfield & Chanslor sale had gone through, the transaction would have netted the sellers somewhere about $2,000,000.

The new company will put in its own pipe line to the railroad when it gets to producing oil, and will also build and own its own cars for transporting the oil to market, thus doing away with any chance of shortage of cars.

Oil Stocks

Bought and Sold By

JOSEPH B. TOPLITZ

Member

Producers' Oil Exchange

330 PINE ST., S F.

Who solicits your orders and correspondence. Particular attention given to enquiries and orders from the interior

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

Bakersfield oil men are preparing to incorporate and develop 2000 acres in the Sulphur Creek district.

The Gorrill well No. 2 at Arbuckle is reported to be down 450 feet.

FRESNO.

The Phœnix Oil company is not drilling at present, but is pumping oil from one of its wells.

The Ajax Oil company is drilling its first well, on section 32, 19-15, Coalinga, and is down about 500 feet.

The El Capitan Oil company on section 31, Coalinga field, is about to commence drilling.

The Commercial Petroleum company, is preparing to drill on section 31, Coalinga.

The Corona Oil company, on section 32, Coalinga, is drilling and is now down over 600 feet. The company is making good progress at drilling.

The Thirty-Six Oil company has purchased section 36, 19-14, a quarter of a mile west of the Confidence property at Coalinga.

The Roanoke Oil company has purchased forty acres out of the section, from the Thirty-six company, and will put down a well.

The Coalinga Oil company is drilling on its No. 10 well and Chanslor & Canfield on well No. 17. Both these wells will probably be producing soon.

The Echo Oil company, which purchased the rig formerly used by the St. Lawrence Oil company, has begun drilling. This company will prospect entirely new territory in section 28, township 20, range 13. Grieve is the superintendent. They will begin drilling with a eleven and five-eighths hole.

KERN.

A derrick has been completed on 18, 28-28, by the Emerald Isle.

The McKittrick Consolidated has oil in its No. 2.

Two of the Vesta wells are being put on the pump.

Parties from Porterville have secured leases on 25-28.

The Golden Gate, on 34, 12-24, has reached a fine sand at a depth of 700 feet.

The Wisconsin has a lease on a tract in section 24 with the option of purchasing within a year for $4000 per acre.

The McFadyan has erected a derrick on 7, 28-28, and a company will commence drilling as soon as a rig arrives.

The Imperial Oil & Development company will commence drilling on 27, 26-17 next week.

The Del Rey company, recently organized will soon be drilling on 5, 29-28 with several rigs.

The Prosperity company will soon commence drilling on 6, 28-28, and is prepared to go down 2500 feet.

The Grace Oil company is one of the very few oil corporations who are not selling stock. Having demonstrated the value of their land in section 8, 29-28, they are disposing of it in blocks to suit parties wishing to organize oil companies. Purchasers in the Grace tract have fuel and water at hand, and the Standard's storage tanks are on the adjoining section. The railway runs directly across the property, which is for sale, directly from the owners. This land offers one of the best chances for investment in the Kern River field.

The Vesuvius company is down 200 feet, and will put down a water well.

The Golden Rod company will soon be be drilling on 8, 29-28.

The drill of the Edgar, 18, 28-28, is still passing through good oil sand.

The Diamond is still awaiting casing at Temblor.

On 2, 29-28, south of the river, the Hercules is down 880 feet, with no oil so far.

Seven hundred and fifty barrels in four hours is the record of the new Peerless pipe line.

A derrick is soon to go up on section 2, 32-34, Tehachapi field.

First sand has been struck by the Western Minerals, 20, 11-23, Sunset field.

On section 34, 12-23, Castle & Lee have had their tools buried by a gas upheaval.

The Secretary and Assistant Manager of the Producers' Association will reside at Bakersfield.

The Producers' Association has made a showing of five cents a barrel increase in oil prices at Bakersfield.

General Manager Wendling of the Oil Producers' Association of Kern County has an office in the Crocker Building in San Francisco.

Monarch No. 1 is being put on the pump. It recently bailed 243 barrels in eight hours. No. 2 is finished.

The Standard has begun the laying of pipe lines in the Kern River district. Eastern workmen are employed.

No 2 of the Red Bank, 4, 29-28, is in oil. No. 1 is good for 100 barrels a day with only half its perforation finished.

A lease of ten acres on 25, 28-27, belonging to the Kopje, has been made on a thirty-five per cent royalty.

Drilling has been begun by the Geyser on 32, 32-24, fifteen days after organization of the company.

On forty acres on 23, 28-27, adjoining the Shasta, a new company called the Clyde has put up a Standard rig and is ready to drill.

Well No. 9 of the Aztec Oil company is pumping 400 barrels a day and flows whenever pumping is stopped.

The NW¼ of sec. 28, 28-28 is reported sold to a San Francisco company for $200,000, an average of $250 an acre.

The Kern Queen Oil company, recently incorporated, composed of some of the leading business men of Los Angeles, will commence operating on 19, 28-28 soon.

Four thousand dollars bonus and a forty per cent royalty was given for twenty acres in the SE¼ of 30, 28-28 by the Toltec. No. 1 is in oil at 602 feet.

The tools of the Hanford-Fresno-Kern River company, 31, 28-28, were lost in the hole recently, the cable being burned off by gas which caught fire from a torch. They have since been recovered. The drill is ten feet in the sand with plenty of oil.

Drilling has been begun on section 1, 11-21, adjoining the Superior, by the Maricopa.

One of the Thirty-Three wells is reported to be producing 500 to 600 barrels daily.

Operations on 33, 29-21, Temblor field, will be resumed by De Groot & Book, who have been waiting results on the Commonsense.

KINGS.

The King's county Oil company have moved their Standard rig down to the Kern field and will go to work there.

Reports state that the Devil's Den Development company has resumed work on its oil well.

Derricks are going up rapidly in the Devil's Den country. Rumors of a strike in the Devil's Den Consolidated and in the White City, has made that section desirable for speculation.

LOS ANGELES.

The Standard Union Oil company, which has had trouble with its casing and a flow of water in its well, is again drilling at 700 feet.

Dr. Calmus, drilling on the Reese property made a strike in his first well at a depth of 1085 feet.

The Condee Brothers have lost a bit in the hole, but drilling is now being continued. The well is 500 feet deep.

The Consolidated Oil company has finished well No. 36 on College street and has a rig ready for No. 37. Lumber is also on the ground for the next well.

J. W. Shirley has erected a derrick on Rockwood street for another well. He will drill a large number in the vicinity.

Knight & Son, who own many wells in the old field, will deepen fifteen of these in the near future, besides drilling five in addition.

A good stratum of oil sand 130 feet thick has been found on Western avenue in the Los Angeles field. It is beneath a water stratum, which hinders its development.

The report comes in that the Congress Oil and Pipe Line company, in the southwestern part of the local field, had made a good strike in its well at a depth of about seven hundred feet.

The Sterling Oil company, on the Lahart tract, has completed its pumping jack, and has four wells connected and pumping. The wells will go from fifteen to twenty barrels each a day.

The Regal Oil company is down 400 feet with the well at First street and Belmont avenue. In order to insure success the hole is being bored with an 11⅝ drill, the largest in the field.

The gap between the east end and old oil fields has been closed. Clark and Sherman have just completed their well on Sunset avenue between the Sisters' Hospital and the Temple-street wells, which is reported to be yielding fifteen barrels per day. The territory opened is ample for about fifty new wells.

ORANGE.

On the Scully ranch the Globe company is getting good indications for a strike.

The prospect hole of the Capistrano Oil company is now down 700 feet in hard sandstone. Oil has not yet been struck.

Considerable new development promises to commence at once between the Carbon canyon field and the Santa Ana river.

The output of the Fullerton field during December was about 51,000 barrels, 40,000 barrels in the Santa Fe and Brea canyon districts and 11,000 barrels from the Puente wells.

The Carbon Canyon company has passed three light stratas of oil in its well, which will go down 1500 feet.

The Menges Oil company has made a strike of a promising strata in its well a the mouth of Brea canyon.

The Fullerton Oil company is drilling in its No. 5, and reports indicate that another good well is expected.

The Puente Oil company has put number 55 on the pump, and it is producing 35 barrels daily. This company is drilling two other new wells, one being down 1175 feet and the other 960 feet A rig was completed Wednesday for another new well, which will be number 60. It will be drilled near the company's machine shops.

The Columbia Oil company is down 990 feet in its No, 9, and for the last 350 feet oil-bearing rock and sand has been encountered. It will become a good producer. No. 10 of the same company is down 950 feet, with as promising indications as are found in No. 9. The grading is completed and the lumber is on the ground for No. 11, which will be begun as soon as No. 9 is finished.

SAN BENITO.

The San Benito County Oil company has reached a depth of 560 feet.

The San Jose Petroleum company will begin drilling as soon as the rig is put in place.

Contractor Wills will soon have the derrick of the Hollister Crude Oil company in position.

The McCoy Oil company has filed affidavits of labor for work on SE¼ o 8, 17-11.

The Hollister Petroleum Development company will commence drilling on the Baldwin ranch on January 15th.

C. J. Tallon of San Francisco, president of the Hollister Crude Oil company, is getting a rig on the Chappell ranch at Hollister.

During the past few weeks considerable assessment work has been done on oil locations near Panoche.

VENTURA.

The Bard Oil and Asphalt company has abandoned its No. 1 and is moving the rig to a new location.

The Sunset Oil company is moving a drilling rig on to a new location, when drilling will begin soon.

The Hopper Canyon Oil company is building a road to the property and should have it completed within thirty days.

In Toms canyon the St. Louis Oil company has a rig up and is about ready to commence drilling.

The Ojai Oil company reports a good body of oil sand at 850 feet, and the oil rose to within 400 feet of the surface.

The Piru Oil company, on the Bishop tract, is having trouble with the stove-pipe casing. The hole is down 125 feet.

The Aguilla Oil company is down 110 feet in its No. 1, and making good progress.

M. B. Fitch, who has a piece of land on the Diety tract, commenced spudding in yesterday.

The Home Oil company, on the Hobson tract, has cased the water off successfully and drilling is going on at 480 feet.

The Gravity Oil company in Timber canyon is down 780 feet in No. 1. A crooked hole and cave ins have given considerable trouble.

The Buckhorn Oil and Transportation company's well No. 16 is down 620 feet with good indications of another good well. No. 15 is producing so large an amount of oil now that it requires two strings of tubing to keep it pumped ou

The Lincoln Oil Company.

The Lincoln Oil company are making steady progress with their well on section 14, 28-27, Kern River district. They recently encountered heavy water-sand, which bothered them for several days, at near the 200 foot level. This has been cased off with stove-pipe casing and the drill is now going steadily down. There are several cheerful stories going around about two wells near the Lincoln, which have some new indications, but for some reason are keeping it quiet.

The Lincoln Oil company have 100 acres in NE ¼ section 28, 28-27, with a derrick upon it. They intend to go on and finish out the rig on this land, and sink a well. Recent developments near this land with a hydraulic machine demonstrates beyond a doubt that oil exists in this section.

The Lincoln Oil company also have the SW ¼ of the NE ¼ of section 7, 28-28, around which there is now about ten new rigs going up. The Lincoln are now commencing developments on this last tract, will soon have three fine rigs at work, the rate the stock is going at the present time this company will have abundance of funds for this work.

At a recent meeting of the board of directors of the Lincoln Oil company, the following resolution was passed unanimously:

"WHEREAS, The three blocks of 6000 shares each of the Treasury stock of the Lincoln Oil company, which were offered for sale Nov. 1st, at 25 cents per share, have about all been sold, and that owing to the fine progress our well has made, and the many rich oil strikes around our property, this board is convinced that oil in abundance will soon be reached in our well and then this Treasury stock will be worth at least $1.00 per share, therefore no more of this stock shall be sold for twenty-five cents per share on and after Jan. 15, 1901. All orders from outside of this state placed in the U. S. mail up to Jan. 20th will be honored at these figures; and all orders from outside of the United States placed in the mail up to January 25th will be honored at these figures,

"RESOLVED, That on and after January 15, 1901, 15,000 shares of the Treasury stock of the Lincoln Oil company be offered for sale, and placed on the market at 50 cents per share. When this amount is sold, no more shall be placed on the market, or offered for sale, or sold by this company for less than $1.00 per share."

Adopted Dec. 27, 1900.

J. H. EDSON, Secy.

Attest: IRVIN D. MARTIN, Presd't.

A New Oil Burner.

A company has been formed consisting of Dr. Geo. H. Powers, president; E. W. Newhall, vice-president; H. W. Crowell, secretary and manager, H. C. Tilden, Harry Francis and Chas. C. Nichols. Messrs. Crowell and Nichols are the active members of the firm.

The burner is called the Scott air burner, and it is claimed for it that it is superior in every way to coal. It is a hydro-carbon burner, has a blue flame, and is free from odor, soot and dirt. It can be used at a cost of one cent an hour. There are no ashes and no heavy scuttles; can be started in two minutes and instantly extinguished; can be adapted to an ordinary stove; is safe, simple, durable, economical and original.

The burner is for sale and can be seen at the Phinney Stove company, 1530 Market street, at Holbrook, Merrill & Stetson's, at W. W. Montague & company's, and at E. K. Tutt's, 511 Thirteenth street, Oakland.

PACIFIC COAST UNDERWRITING COMPANY.

If you wish to sell your stocks, have them underwritten and protect your investor. People buying guaranteed stocks at par value speculate with the interest on their investment only, as the following example will show:

A. pays $1000 for 1000 shares of stock. A bond is placed in any bank that A. wishes to his order, to mature in ten years from date of issuance for $1000. If the company from whom A. buys his stock makes a total failure, A. will secure the full amount of his investment at the maturity of the bond. He can, at any time, borrow from 42 to 80 per cent of the par value of his stock. All guaranteed stocks have a positive and fixed value.

If a guaranteed stock is sold for less than par, the investor must make the difference between the price paid for stock and the amount of the bond at maturity, regardless of any and all dividends received from the company selling the stock. We furnish first class securities to guarantee stocks, incorporate companies under the laws of any state or territory desired, furnishing all books, seal, certificates and everything complete. Oil lands and mining properties sold. Bank references furnished upon application. Call or address, Pacific Coast Underwriting Company, Main office, 507-508-509 Parrott Building, San Francisco. Branch offices, 334 Wilcox Building, Los Angeles; L. C. Dillman, Seattle; Robert G. Ruxton, 134 Van Buren street, Chicago.

For Oil Men.

The Pacific Coast Manufacturing company has purchased the business of the Beothe Manufacturing and Supply company, consisting of stock in trade, good will, etc., and will hereafter conduct the business heretofore conducted by us. All the former employees of the Beothe Manufacturing and Supply company are retained. The officers of the Pacific Coast Manufacturing company are President, Valentine Peyton, vice-president and general manager, J. A. Haskett; secretary and treasurer, Arthur L. Hawes, assistant secretary and treasurer, C. B. Barnes. Mr. J. A. Haskett, the general manager, has for years been manager for the Kansas City branch of Fairbanks, Morse & Co., and brings to the new company years of experience in this line of business. With increased capital and a considerable portion of the business, the Pacific Coast Manufacturing company is in a position to handle machinery and supplies of all kinds in their line to the best possible advantage. Accounts payable and receivable remain with us for settlement. We bespeak for our successors a continuance of the pleasant relations which have existed between you and us, and take this opportunity to express our appreciation of the courtesies which have marked our business intercourse. With compliments of the season, we remain,

Very truly yours,

BEOTHE MFG. AND SUPPLY COMPANY,

C. B. BOOTHE, President. F. B. BARNES, Secretary.

Oil Notes.

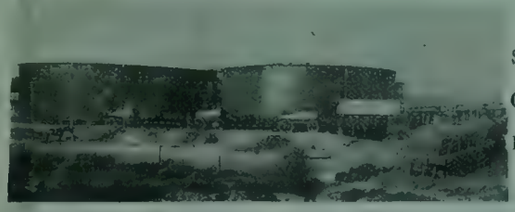
The Ohio Oil company has resumed drilling on its property in Fresno-San Benito district, having shut down for the holidays.

This company is down nearly 400 feet, having in that distance passed through two oil strata and one of gas.

It is the intention of the Ohio Oil company to push the work vigorously until oil is struck. The company's newsdealer, Mr. G. W. Wilcox, states that he hopes to strike oil within six weeks, and the fact that he has accepted and prefers a portion of his wages in stock shows his faith in the location of the well.

Lacy Manufacturing Company

Manufacturers of



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Oil Well Tools and Machinery.

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Equipped with patent Ball Slide Valve, quicker in action than any in the field.

Boilers, Pumping Engines & Steam Pumps

For Oil Wells.

Send for price list on our **special pipe** with threaded couplings for oil or water, as serviceable and cheaper than any pipe in the market. Furnished only in following sizes 2 inch, 2¼ in, 2½ in, 3 in, 3½ in and 4 in.

Normal Oil Co'y

Organized Under Laws of Arizona

STOCK ABSOLUTELY NON-ASSESSABLE

We Start With

720 Acres of Land

$3250.00 in Cash

—AND—

Our First Rig Bought!!

FACTS WORTH CONSIDERING

Sure of Oil

300,000 Shares in Treasury——50,000 Shares All We Sell

PRICE, 15 CENTS PER SHARE

Our Company will be as near a close corporation as possible; therefore will sell only a small amount of our treasury stock. We put it at the price to sell quickly, and price is subject to raise at any time. Our land is situated in the **heart** of the **Oil Belt** of San Luis Obispo and Monterey Counties, and has been experted by State Mineralogist Cooper and other noted experts, and by them pronounced **absolutely sure of Oil.** Capital stock, 750,000 shares; par value, $1.00.

J. L. GEARY, Jr., Secretary

Office: 363-364 Parrott Bldg., San Fr ancisco, Ca

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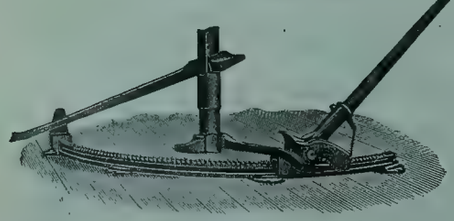

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Sand Reels, Cants Arms and Pins. The Original Tool Wrench g Jack, the best and eapest on the mar ket.

For prices, etc., inquire of

D. HOOKER Los Angeles, Cal., W. FORGIE, Washington, Pa.

Casmalia, Ranch, Oil and Development Co.

Incorporated under the laws of California

Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres o some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

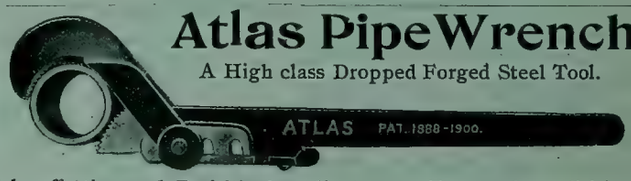
We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS



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A High class Dropped Forged Steel Tool.

Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without hav ing the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

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About Our Fuel and Gas Oils

If you can use Crude Petroleum or its Distillates, either as fuel under boil ers, furnaces, brickkilns or forges, for the manufacture of gas or its enrichment, for gas engines and motors, or for stoves and house furnaces, I am in a position to supply them. Crude Petroleum, 14 to 24 degrees, and Distillates (refinery products) from 20 to 50 degrees (Beaume). Higher gravities if desired. Quotations for car loads only (150 bbls.) Southern California is now the producing and refining center for California's Petroleum, and the best market in which to buy it or its products. Correspondence solicited,

LOUIS BLANKENHORN Petroleum Broker, 211 Douglas Building, Third and Spring, LOS ANGELES

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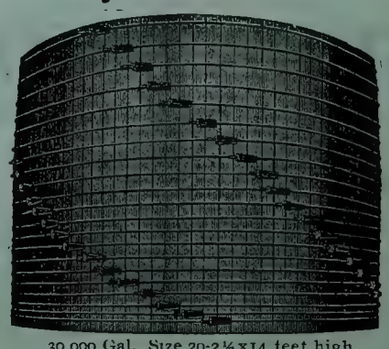
Are the Cheapest Most Practica AND Satisfactory TANKS.



30,000 Gal. Size 20-2½x14 feet high.

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th and Channel Sts. San Francisco. Manuf rs and dealers in Lumber and House Fin

C A. HOOPER & CO., Agents

204 Front Street San Francisco, Cal.

WENT DOWN THE WELL.

A Nervy Performance of an Oil Well Driller.

It will be remembered that several months ago a young man performed what at that time was considered a very daring and dangerous feat, at one of contractor Ed. Smith's well that was being drilled for the South Penn Oil company, near Blacksville, Greene county. Mr. Smith had got an 18-inch bit in the well at a depth of one hundred feet, the bit lying against the wall in such a shape that all efforts to get a socket over it proved futile. Thus it baffled all experts for weeks till one day quite a young and slender man came to the derrick, and getting in touch with the situation, volunteered to go down into the well and fasten a chain to the bit so that it might be drawn to the surface, for which he was to receive $100.

After being lowered a second time on the end of the said line he succeeded in earning the hundred.

But on last Saturday, W. G. Phillips, a well known driller in West Virginia and Greene county, did something at a drilling well in the Lantz pool that for bravery, temerity and intrepidity lays the first man's act away off in an isolate little nook and simply antiquates and sequesters it from the gaze of the people of oildom. For be it remembered that the man at the Smith well descended feet foremost, but Mr. Phillips went down head foremost.

A Log From Panoche Field.

The World Petroleum company is drilling on its property, located in township 14 south, range 10 and 11 east, lying in San Benito and Fresno counties. The drillers' log of the well is as follows:

Thirty feet surface adobe.

Forty to seventy-two feet yellow clay and gravel.

Seventy-two to eighty-five feet brown shale.

Eighty-five to 200 feet, black shale.

At 102 feet small seepage of salt water

" 180 " " " " " "

" 188 " " " " " "

From 200 to 330 feet black shale with thin streaks of sandrock.

330 to 420 feet black shale.

427 feet seepage of salt water with a taste of alkali.

420 to 435 feet black shale.

435 feet one foot of asphaltum.

436 to 480 feet black shale.

480 to 485 feet black shale with thin streaks of sand.

485 to 510 feet black shale.

Alamedans Who Have Struck Oil.

The Bear Flag Oil company, in which a number of Alamedans are interested, has struck oil on section 31 in the Kern district. The company has been organized about two months and had just sunken a well when the strike was made. H. A. Thompson of Encinal avenue is one of the principal owners in the company and a director. Mr. Wormser, a former Alamedan, is managing director of the company. Other Alamedans who have interest in the concern are F. K. Krauth, John G. Croll, Will Cordes, I. H. Thompson, Bernard Joost and Mr. Seymour.

Mineral Lands Bill.

Shirley B. Ward and Jefferson Chandler, who are representing the scrippers in Washington went to the Senate Committee on Public Lands, and asked for a hearing on the mineral lands bill which is now before that committee, and which is likely to be reported to the senate soon. The report was that they intended to try to get into the general land an amendment making the taking up of mineral lands as agricultural lands legal, but nothing is known about that.

Senator Bard proposes to go before the Public Lands Committee soon, to find out what progress is being made on the mineral lands bill. He has two amendments which he wants placed on it. One amendment will limit the amount of mineral land which any one company or combination of persons may take up, another will provide that when mineral land is taken up, actual work must be done on it within a specified time.

New Land and Oil Company.

The Lake and Colusa Oil and Land company was organized last week in the Hearst Building with a capital stock of $100,000 divided into 10,000 shares at $10 per share. The holdings of this company are 4,600 acres in Lake and Colusa counties. The directors of the company are Gen. N. P. Chipman, Dr. C. T. Dean, Col. L. Perry Crane; C. B. Gleaves; Percy W. Rochester, John A. Hammersmith, and William J. Plunkett. Oil taken from this land is of a paraffine base and among the highest grades of oil produced in the state. This land has been selected, leased and located by an expert of long experience. It is a close corporation that means business. Col. Crane has inspected part of the territory and predicts a great future for the district in general.

What Oil Does.

In reply to a question from the PACIFIC OIL REPORTER as to how the oil industry had increased their business, the proprietors of the Webster Iron Works of Bakersfield replied as follows:

BAKERSFIELD, CAL.,
January 3, 1901.

THE PACIFIC OIL REPORTER,
San Francisco, Cal.

Gentlemen:—In reply to your favor of Dec. 26th, will say that one year ago to-day we had five men in our employ and to-day we have forty-five.

All of which increase can be traced almost directly to the oil industry.

Yours truly,
WEBSTER IRON WORKS.

LUMBER

Wholesale and Retail Dealers.

A full stock of all kinds of lumber

: For Oil Derricks:

Including Walking Beams constantly on hand at LOWEST PRICES

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22 MARKET ST., S. F. CAL.

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400,000 Shares of Oil Stock FOR SALE

Monarch, Lion, Occidental, Salinas Oil and Development Company, Etc.

Address——

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Oil Lands given for development purposes or for forming companies.

Fairbanks, Morse & Company

OIL WELL SUPPLIES

"Star" and Standard Drilling Rigs, Fairbanks Gas, Gasoline and Distillate Engines. Steam Pumps and Boilers, Boston and Reading Casings, Tubing. Sucker Rods, Pumps, Pipe Fittings, Cordage, Wire Rope, etc., etc.

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Webster Iron Works

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MINING, MILLING and MACHINE CASTINGS

Rig Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

Telephone 341 21st and I Streets. P O. Box 463
BAKERSFIELD, CAL.

Point Richmond

OIL COMPANY

Capital Stock, $100,000 100,000 shares $1.00 each.

Expert Examination shows that we have one of the finest tracts of oil land in Northern California. Our two prospect wells confirm this. We will be drilling in Contra Costa county in about thirty days.

Strong Board of Directors

No Salaries, No Expenses

Stock Now Selling at 50 cents a Share

Cash or Installments.

Send for prospectus, etc.

HENRY B. RUSS, President.
ARTHUR WHEELER, Secretary

Floor 5 Room 41 Mills Building, San Francisco.

U. S. OIL & MINING COMPANY

Bakersfield, Kern County, Cal.

Are the owners of 600 acres of the choicest oil land in the Kern river and Sunset district. This company are the owners of a part of section 26, 12-24, only half a mile from the famous Jewett, Blodgett & Beales' big strike in the Sunset district upon which they are now sinking a well with every assurance of equally as good success as the formation and conditions are the same. A limited amount of stock offered for sale at 25 cents per share for a few days only. Remember that active ork is being prosecuted by this company on their property with every modern ppliance, and when oil is reached your stock will be very valuable.

I. H. TOMLINSON,

408 California St., S. F. Cal.

Kern Consolidated Oil Co.

Capitalized at 100,000 Shares at Par Value of $1.00 Per Share

Our land comprises 840 acres, being all of Sec. 32 and 200 acres in Sec. 28 in Twp. 11 North, Range 24 West, S. B. M. This is in the heart of the famous Sunset District, Kern County, California. where have been recently drilled the BEST WELLS in Kern County. This company owns the land, having paid for it in full with 50,000 shares of its capital stock, the remaining 50,000 shares have been placed in its treasury, to be sold for developing the land. Drilling for oil will commence early in January, 1901 A block of **10,000 shares only** will be sold at the low price of 25 cents per share. After this is sold the next block will not be sold less than 50 cents per share.

We have large acreage and small capitalization. Some companies have only 20, 40 or 160 acres, with a capitalization of 500,000 shares, while we have 840 acres, with only 100,000 shares.

The officers and directors are all well known business men in the community, and an honest and economical management is assured.

OFFICERS AND DIRECTORS

A. A. FINK, Pres.	C. A. FULLER, Vice-Pres.	JAS. J. McKENZIE Sec'y
J. H. DELAMONTE	P. J. LAVIN	B. B. LEE
NO. P. S HERIDAN	A. R, McPHERSON	W. H. SIGOURNEY, Att'

For further information call on or address the Secretary of the Company,

JAS. J. McKENZIE,

11 Montgomery street, San Francisco, Cal.

Pacific Oil Reporter

For Sale At News Stands

OIL WELL Casing

(BOSTON BRAND)

Line Pipe

Steam Pumps

Valves and Fittings

Belting

Crane Co.

H T LALL Y, Man'ger

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Corporation Supplies. The best in San Francisco. 60 different samples of certificates appropriate for oil companies to choose from.

406 California Street,

Tel., Main 1070 San Francisco

Oil Land For Sale

100 acres in the Temblor portion of McKittrick district, near Climax Wells; also 20 acres in Kern River district.

Proven territory. Title to both pieces of land perfect and patented. Call personally (no agents) on

A. G. DEARDORFF

Room 412 Parrott Building, San Francisco. Tel Bush 1311.

Secretaries Of Oil Companies

In Kern River Valley District are respectfully requested to send a copy of their prospectus to

J. S. EWEN,

10 California st., San Francisco Room 1.

When you want to swear go to

LEE D. CRAIG

Notary Public and Commissioner of Deeds

16 Montgomery St.

bet. California and Pine, San Francisco.

A. ZELLERBACH & SONS

THE PAPER HOUSE.

416, 418 420, 422, 424, 426 Sansome St., San Francisco

Paper and Paper Bags, Twine and Supplies of every description ncidental to the trade.

We carry the Largest Stock. Our prices are Equitable.

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OIL—The Esmeralda Oil and Development Co.—OIL

We are Now Boring and Rapid Progress is Being Made.

As our test well struck oil at 32 feet it assures our future.

Free from Debt Ample funds.

No salaries paid to officers,

Treasury Funds to Be Used For Development Purposes Only.

OFFICERS AND DIRECTORS.

H. S. Field.	President
W. J. Whitney	Vice-President
R. R. Haskell	Treasurer
P. H. Reynolds.	Secretary
H. S. Field	Director
R. R. Haskell	Director
J. C. Pascoe	Director
W. J. Whitney	Director
Chas. T Behan.	Director
Crocker-Woolworth National Bank	Depository

Since the organization of this company it has acquired 244 additional acres of fine oil lands in the Vallecitos District, San Benito County. This makes a total of 404 acres owned by this company. Capital stock 100,000 shares par $1.00. Treasury stock 40,000 shares. Limited amount to be sold. Stockholders are fully guaranteed against loss, as the officers and directors are men of wealth and ntegrity. Reference is made to the CALIFORNIA PETROLEUM MINERS' ASSOCIATION, San Francisco, Cal., or THIS PAPER.

A. KINGSBURY, General Agent. **565 Parrott Bldg., S. F. Cal.**

TELEPHONE—FOLSOM 1881.

Before Investing In Oil Stocks

Find a Company with small capitalization whose lands lie in a thoroughly proven oil field

The Pacific Coast Oil and Development Co.

Office, 209 Hearst Building, San Francisco

s such a Company. Prospectus, Maps and full information supplied at our office on application.

Will receive orders for a limited amount of Treasury Stock at 50 cents a share,

But reserve the right to cancel this offer without notice.

Pacific Coast Oil & Development Co

The Flashlight Oil Co.

Capital $500,000 shares,—$1 each.

Owns 1200 acres in the best part of the the Oil City District, Fresno County. The land to be developed first lies but two and a half miles from railroad station. No sand in the oil in this disrtict, the oil being of a higher, finer grade than further south.

Stock Non-Assessable.

Capable, conservative men behind the company.

The first sale of the stock is now offered at the extremely low price of 20 cents per share. Put your money with us and help put down our first well and you will get the full benefit of the rise in the stock. Our best oil men say we have as good land as there is in the State. Address all communications and make all drafts payable to

F. M. PERSINGER, Secretary

Rooms 115-117 Phelan Bldg. S. F., Cal.

The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem bits

Drilllers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different sized squares or suit different sized bits.

—MANUFACTURED BY—

J. Barrett, Alleghany, Pa.

Kern River Oil Land.

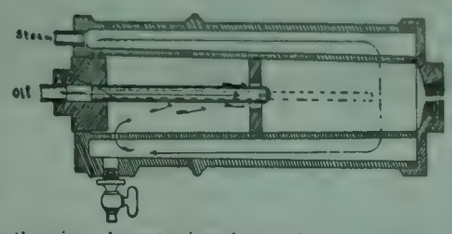
Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building

Pacific Coast Machinery Company



Dealers in Crude Petroleum for fuel and gas and manufacturers of the Larkin Retort Oil Burner unequalled for economy and ease of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economical equipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil business we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company. If you are thinking of using Crude Petroleum for fuel give us a call.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco

For Sale or to Lease

Thousands of acres of No. 1 OIL LAND in the

Kern River, McKittrick and Sunset Districts

including some of the very best Sunset properties.

James R. T. Mershon

Oil Land and Stockbroker, Rooms 537, 538, 539 Parrott Building

San Francisco, Cal.

Companies promoted and assisted in the raising of their development funds.

PROMOTER OF THE FOLLOWING COMPANIES.

The **Monarch Oil Company** of Arizona, **Prudential Oil Company** of Arizona, the **Lion Oil Company** of Arizona, the **J. S. Potts Oil Land and Development Company, Sunset Center oil and Developing Company** of Arizona, **Vesuvius Oil Company** of Arizona, and **Tiger Oil Company** of Arizona, all in the Sunset District, Kern County.

Contracted Waist Water Front Fire-Box Oil Well Boiler. Made in two sizes 20 and 25 Horse-Ppwer.

PARKE & LACY CO.

SAN FRANCISCO, CAL. BAKERSFIELD, CAL.

21 & 23 FREMONT ST., SAN FRANCISCO.

Engines, Boilers and Pumps for

OIL WELLS

Well Boring and Drilling Tools. Prompt Delivery Guaranteed

WONDERFUL INCREASE.

How the Business of the Producers' Exchange Has Grown.

Last week the brokers in the Producers' Oil Exchange in the Mills building sold 117,000 shares of oil stock for $124,729.81. This is the largest week's business yet to be chronicled by the PACIFIC OIL REPORTER.

Compare these figures with the weekly business transacted a few months ago. For the weeks ending:

DATE	SHARES	AMOUNT
July 6.....	2,137	$ 6,376 93
July 20.....	10,490	6,303 00
Aug. 3.....	3,540	3,893 62
Aug. 24.....	5,550	16,472 50
Sept. 7.....	22,794	29,013 10
Oct. 5.....	16,255	31,256 80

These figures show better than anything else how the public is becoming convinced that money is to be made in oil stocks, not merely from a speculative standpoint due to a possible rise in the price of stocks, but more to the fact that the stock of many oil companies is now beginning to yield substantial returns in the way of dividends.

It has not infrequently happened that an expenditure of $1,000 or less in the stock of a non-producing company has reaped a harvest of dividends in a comparatively short time equal in value to the interest usually paid on an investment many times greater.

The public is beginning to understand these things, and that explains why the sales on the floor of the Producers' Oil Exchange are daily growing larger.

War at Coalinga.

The Ætna Oil company, which recently struck oil at Coalinga, is putting up a new rig. Development work on this property is retarded by litigation between the actual holders of the land, the Ætna company and Messrs. Clary et al., and W. C. Cripps et al., who claim the land under scrip locations. Since the Ætna made its oil strike matters have been lively. There was a dispute between the rival forces at the Ætna drilling rig recently, at which it looked as though there might be a shooting affair. There were no weapons drawn, but some of the directors of the Ætna company and their employes were brought before Justice Kilby, accused of assault, and fined a small amount which they at once paid, but stayed in possession of their drilling rig. The defendants are also cited to appear in the Superior Court of Fresno County on the 11th of January, to answer for contempt of court. It is to be regretted that the parties to this litigation cannot arbitrate their dispute and proceed together to develop the land in dispute which is apparently rich in oil.

California Fuel Oil.

J. W. Harrison, a coal broker, states in his annual report that no event has occurred in the history of our state, which will determine its permanent and successful career, as the promising oil developments in several of our interior counties during the year 1900. It now declares itself a potent factor, as a steam and heat producer to every manufacturing interest in the state, and its permanency cannot now be questioned. It will take several months before its distribution can be uniform, and consumers may become assured of regular delivery as required. Already several of our large coal consumers have modified their plant to conform to oil, they claim the change has diminished their expense account materially, and they can see no valid reason for discontinuing its use. I have gleaned information through every reliable source, and I feel assured that my figures are conservatively correct, that the product of fuel oil (only) for 1900, will foot up 4,300,000 barrels, and for the incoming year it can be safely estimated that these figures will be increased fully 12½ per cent. This will be an increase of about 100 per cent. over and above the figures officially reported by the State Mining Bureau, as the output for 1899. It is claimed there are over 1450 wells now producing, which number is increasing monthly. Some of these wells have been capped, as the present tankage is insufficient, although their present capacity including the refineries' tanks amounts to nearly 900,000 barrels. Fuel oil can be delivered to consumers here at about one dollar per barrel, and it is generally conceded that this price will be shaded later on. This means low priced fuel, and will assure us a large number of factories, etc., which could not be profitably maintained under ruling coal values.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company, 504 Parrott Building, San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

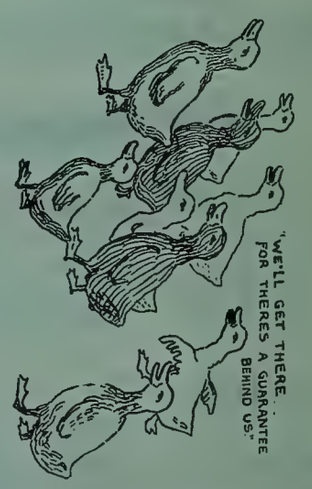
2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any ime.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.



Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa value $1 each, Treasury stock 100,000 shares; sold with guarantee for deveopment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street

Rooms 44 and 45, for special induce-e nts for short time.

Oil Companies Incorporated.

Acme Oil company. Principal place of business Bakersfield. Directors, P V Finch, C Bickerdike, S N Reed, T E Harding, W P Todd, all of Bakersfield. Capital stock, $300,000, subscribed $200,000.

Lo Kern Oil company. Principal place of business, Oakland. Directors, J K Daley, A S Oransby, Oakland, W Todd, A C Newman, D E Mason, Dimons. Capital stock, $500,000, subscribed $2,400.

Renchita Oil company. Principal place of business, Fresno. Directors, G W Allen, P Allen, Selma, L H Tweedy, J O Traber, Fresno, T W Minturn, Sharon, Modoc county. Capital stock $300,000, subscribed $[illegible].

Superior Development company. Principal place of business, Bakersfield. Directors, W W Kelly, A F Stoner, S N Reed, J W Dixon, E W McCutcheon, C C McVee, W T Davis, all of Bakersfield. Capital stock, $500,000, subscribed, $[illegible].

Superior Sunset Oil company. Principal place of business, Bakersfield. Directors, J W Dixon, G Haberfelde, G Kroenert, W Crosland, W S Kimball, all of Bakersfield. Capital stock $500,000, subscribed, $[illegible].

The Seven Oil company. Principal place of business, San Francisco. Directors, H L Coffin, G Bacigalupi, W Romaine, G J Becker, San Francisco, and J L Fields, Alameda. Capital stock $250,000, subscribed $50.

Mount St John Oil and Development company. Principal place of business, Napa. Directors, J J Brice, Oatville, W F M McAllister, T A Keables, C A La Rue, Veterans Home, Yountville and TA Peel, Napa. Capital stock $500,000, subscribed $50,000.

Piedmont Oil company. Principal place of business, San Francisco. Directors, A H Breed, W E Knowles, E A Heron, J A Britton, Oakland, C S Laumeister, W T Sesnon, San Francisco, and J L Gillis, Sacramento. Capital stock, $500,000, subscribed, $7,000.

Naciemiento Oil company. Principal place of business, Los Angeles. Directors, W Shemwell, G G Johnson, D H Imler, O C Hagerty, Los Angeles, F D Frost, Paso Robles. Capital stock, $1,000,000, subscribed, $500.

Cajon Oil company. Principal place of business, Los Angeles. Directors, M Estermann, L [illegible], chalk, W S Pitney, J F Holbrook, D A Thieme, all of Los Angeles. Capital stock $100,000, subscribed $10.

Badger White Oil company. Principal place of business, Los Angeles. Directors, E S Brown, J M Nelson, W H [illegible], F W Stevens, C L Heart well, all of Long Beach. Capital stock $100,000, subscribed, $5.

Mercantile Crude Oil company. Principal place of business, San Francisco. Directors, M F [illegible], L H Lewars, G W C Baker, T Iverson and F S Brittain, of San Francisco. Capital stock $[illegible], subscribed $[illegible].

Western Oil company. Place of business, Visalia. Directors, W M Thompson, J D Martin, S J Bahwell, J E Russell, S W Knowles, all of Visalia. Capital stock, $200,000, subscribed, $100,000.

Pajaro Oil company. Principal place of business, San Francisco. Directors, J P Brunton, Gilroy, E R Snyder, Pasadena, G Morgan, J F Monteagle, San Francisco, D Hayne, San Mateo. Capital stock, $100,000, subscribed, $5.

Fauna Oil company. Place of business, Fresno. Directors, T G Hart, F M Helm, A Hale, L L Cory, Fresno, D Finn, Hanford. Capital stock $200,000, all subscribed.

Glenn Oil company. Place of business, Los Angeles. Directors, D P Creasinger, C C Thompson, G L Danders, C M Hansen, W L Elder, all of Los Angeles. Capital stock, $1,000,000, subscribed, $60,000.

Blue Bird Oil company. Place of business, Los Angeles. Directors, D P Creasinger, C C Thompson, G L Danders, C M Hansen, R D Hains, all of Los Angeles. Capital stock, $1,000,000, subscribed, $500,000.

The Lion well, 12, 11-34, has no oil sand, its output of fifty barrels a day being taken from strata of shale about 200 feet thick.

Scientific Notes.

Theoretically, there is no limit to the horse power of a gas engine, it being a question of cylinders. In Belgium gas engines of 1000 horse power are now in successful operation.

To find the number of gallons of water that a pump of given size is capable of raising in a given time, multiply the square of the diameter of the water cylinder in inches by four and by the piston speed in feet per minute; divide the result by 120; the quotient will be the number of gallons per minute.

Where the locator of a [illegible] allows his title to lapse by r[illegible] of non-performance of assessment work and the claim is taken up by another, all improvements made thereon and upon the claim at the time the second locator has perfected his location becomes the property of the second locator—any state laws to the contrary notwithstanding. The original locator has the right to remove any and all improvements while the claim is still in his possession—loses this right when his successor has taken up the forfeited location and perfected his location of the claim. Fixtures, including such improvements as engines, boilers, hoists, mill, or any other things of this character annexed to the soil for

Twenty or Forty Acres for Sale in

24, 28=27

Kern River Oil District.

A GRAND CHANCE FOR A COMPANY IF TAKEN IMMEDIATELY.

J. S. EWEN, 10 California St., Room 1

San Francisco, Cal.

A Guaranteed Investment

THE FAMOSA OIL AND INVESTMENT CO.

Offers to Investors an Absolutely Safe Investment.

The Famoso Oil and Investment company offers to investors an absolutely safe investment. Stockholders get back dollar for dollar in the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famoso is capitalized for $350,000 Par value, $1.00 and is underwritten by the Pacific Coast Underwriting Company and guaranteed by the Continental Building and Loan Association of San Francisco, with assets of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

OFFICER

Jno. P. Albro - President
A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famoso Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

Office, Room 393 Parrott Building, = San Francisco.

Branch Office, 1330 E Street, San Diego, Cal.

OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Shares 25 cents. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATIONC O.
Capital.....$200,000
20,000 shares at $10
Location. Ventura county. 150 acres two miles south of Buckhorn.
Officers– Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president: W I Pixley. 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary; H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer, W M Walker, field superintendent.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital.....1,000,000 shares
Par value, $1.00
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its tire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington. superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, presideut, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location N ½ of NE ¼, S 28 T 28, R 28 E, Kern Kiver District; N E ¼ S 12, T 27, R 26 E, Poso District Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone, Main 683 Stock selling at par

EQUITABLE OIL CO.
Capital..... .....$500,000
100,000 shares at $5.
Location: Kern county: Southwest ¼ of section township 25 south, range 17 east. M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY. Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district. 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Abro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office, 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... ..... 200,000 shares at $1, ... $200,000
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital.....$20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

GREAL NORTHERN OIL CO. OF OAKLAND
Capital..... ....$250.000
250,000 shares at $1
125,000 shares of treasury stock,
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

J S POTTS OIL, LAND AND DEV. CO.
Capital..... .....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20. 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president. J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

M. C. Nunan, President. M. L. Culver, Sec. Daniel Meyer, Trs.

Write for Prospectus of the

Great American

AND **Inter Nos**

OIL AND DEVELOPMENT CO.

Great American 30c per share

Inter Nos 25c per share

We want good live agents in every up-to-date town in the United States.

MOSTELLER & ALLEN, Gen'l. Agts

565-566 Parrott Bldg. San Francisco

GRAND PACIFIC OIL CO.
Capital..... ..... $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

HERCULES OIL CO.
Capital $100,000.—100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Plagemann, Leo Porkwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital..... .....$400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital..... $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice-president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO
Capital..... .....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, we st, S B B and M, Sunset district.
Officers and Directors: W C; Tighe, president; Joe Bancroft, vice-president J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building. adera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital..... .....$1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton. treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10. 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300.000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco

OCEANSIDE OIL COMPANY OF ARIZONA
Capital..... ....$375,000
375,000 shares at $100 each.
Location; 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Hennie block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares. . ...par value, $1.00.
Officers: Wm. Crites, president: F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683,

ORIENTAL OIL COMPANY.
Capital..... $100,000
100,000 shares at $1.
Location: SE¼ Sec. 26, Twp. 23 S., R. 17 E., Kings county, Kreyenhagen Oil District.
Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, seretary and manager
Office. Room 506 Parrott Bldg., San Francisco

PETROLEUM CENTER OIL CO
Capital.....$500,000
500.000 shares at $1.00
Incorporated, October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-Pesident, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland,
Office—Room 29, Third floor, Mills building, San Francisco.

POINT RICHMOND OIL COMPANY.
Incorporated August 7. 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 42, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street. San Francisco Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president Allen Brant, vice-president; D A Porter secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office : Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY.
Capital.....$500,000
500,000 shares, at $1.00 each.
Incorporated, July 31, 1900.
Land, 890 acres, in Sunset and Kettleman Districts
Officers and directors—Ambrose Harris, secretary. Tyree A Bell, superintendent, John L Greer, San Rafael, W B Taylor, San Rafael, D C Campbell, Los Angeles, A H Brod, Paul Redfield Lewis L Barrere, San Francisco, H L Gear, Frank N Stone, attorneys, Germania Trust Company, Bakersfield.
Offices 611 612 613 Hearst Bldg, San Francisco.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1 00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A Thieme, M C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000 Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5060 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THE RAVENOIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

THREE STATES OIL CO Limited.
Capital.....$1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Oon E P Colgan, I N Pattison, M F Levy
Office—612 Examiner Building.

U. S. OIL AND MINING CO.
Capital.....$300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO,
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M
Office--- 552 Parrott building, San rancisco, Cal

YUKON CRUDE OIL CO.
Capital.....$250,000
100,000 shares at $2.50
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.
Office 638 Market street, San Francisco

COLOSSAL OIL AND MINING COMPANY.
Capital.....$500,000
500,000 shares at $1.00 per share
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice president and manager, N. Hawthorne Spitzer, secretary and treasurer, A. W. Gale, superintendent of construction.
Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal

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Original owner of Oil Lands in

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MONTEREY and
SANTA BARBAARA
Counties.

Forty to one hundred acres of free nd given for development.

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Stationary and Portable Boilers, Steam Engines,
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Analytical Chemist

Special attention given to the analysis of Oils, and to the tests o Gypsum, Kaolin Clay and other minerals held by the Land Department as sufficient to maintain placer mineral locations.
Quick and accurate returns at moderate prices.

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OIL STOCK.

I have option on small block of stock—Solid company just struck good well on their extensive territory.
A very excellent speculation. Will sell at 15 cents per share.

W. G. YOUNG
STOCK BROKER.
MEMBER LOS ANGELES OIL EXCHANGE
628 Laughlin Building, Los Angeles, Cal

A Splendid Opportunity

FOR INVESTMENT

Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.
We also have for sale or lease any part of section 26, township, 32 south, range 23 east, Sunset District, on reasonable terms.

ROOM 625, LAUGHLIN BLDG.
LOS ANGELES, Cal

BOOTHE

MANUFACTURING & SUPPLY CO

126-128 South Los Angeles street

LOS ANGELES, CAL.

Steam and Gasoline Engines, Boilers, Pumps, Air Compressor

OIL WELL MACHINERY Drills, Tools and Supplies of Every Description

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Pacific Oil Reporter Job Office

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318 Pine Street, San Francisco

Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns.

Small capitalization. Economical management

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,

399A Parrott Bldg, San Francisco

J.E. BREITWISER, Inventor RISDON IRON WORKS Builders

San Francisco, Cal.

NEW RAPID HYDRAULIC ROTARY and WALKING BEAM combination rigs.

NEW STYLE STANDARD RIGS with all iron sprocket belts and rope drums.

NEW MULTIPLE PUMPING PLANT, with separate strokes each well.

HYDRAULIC CLEANING AND FISHING OUTFITS.

FUEL OIL FOR SALE.

Gypsy Queen Petroleum Company

Incorporated under the laws of the State of West Virginia.

Stock Absolutely Non-Assessable With Limited Liabiliy of Stockholders

60 Acres in the Heart of the Sunset District Kern County.

640 Acres in the Fresno-San Benito District

All proven oil land with wells of other companies now being drilled on all sides of our property.

The derrick for our first well is in place and machinery now on the ground, and work being rushed as rapidly as possible.

We secured the best lands to be had several months before the great excitement in these districts, and we are prepared to offer a First-class proposition to investors.

For particulars address

FREDERIC M. LEE, = = = SECRETARY

FRESNO, CALIFORNIA.

Endorsed by the California Petroleum Miners' Associaton.

VOLUME 2 NUMBER 11

PACIFIC OIL REPORTER

SAN FRANCISCO, CALIFORNIA, FRIDAY, JANUARY 18 1901

Opportunities for Investment

Our Drillers Are
Rapidly
Nearing
The Oil Sand

The price of
this Stock
has Advanced
to 75 cents
a Share

OFFICE: ROOMS 417-418 PARROTT BUILDING, NO. 855 MARKET ST., SAN FRANCISCO, CAL., 'PHONE **Howard 346**

MAP SHOWING LANDS OF

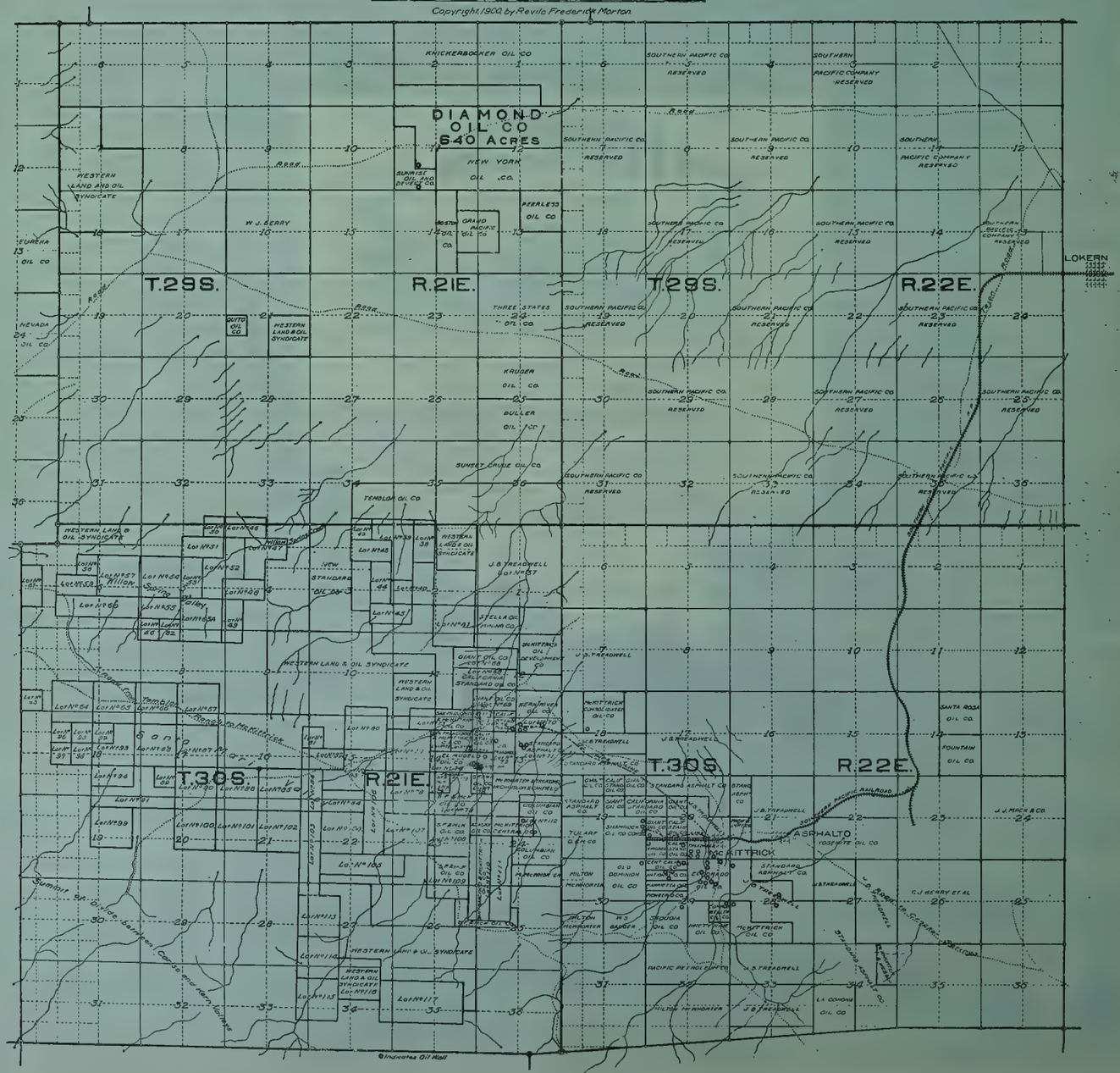
DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

Scale of Chains — Scale of Miles

Copyright 1900 by Revilo Frederick Morton



PACIFIC OIL REPORTER

VOL. 2 .NO. 11. SAN FRANCISCO, CAL., FRIDAY, JANUARY 18, 1901. PRICE, TEN CENTS.

HOW FUEL VALUES VARY.

Oils Differ Much and Tests Will Establish Grade and Price.

The grading of fuel oils and their prices according to fixed standards of fuel efficiency is certain to be an early development of the entry of petroleum into the industrial life of the state on a large scale. Progress in this direction is now being made as a result of the use of fuel oil by large consumers who study the results of this use with intelligent care and who find by actual experience that oil from one source of supply is worth more than oil from another one.

Most people yet ask "What is the price of oil?" as though oil were oil and the cheapest the cheapest. The same people would not ask "What it the price of coal?" but would ask, "How much is Wellington?" "Coos Bay," "anthricite," "steam coal," etc. Oils vary in values also, though the range is not so great as with coal. Leading dealers in fuel oil who have expert knowledge of the business have long recognized that the business needs and will develop a system of testing oils for their calorific values and the basing of prices on the results established, and such tests will involve more than the mere gravity of the oil.

Many producing companies now ship their product direct to consumers in single lots or by term contracts, and, by the way, such hustling about for buyers by individual companies has been the main cause of the lowness and uncertainty of prices. The bulk of the oil supplied to San Francisco and its region is furnished by firms dealing in oil who buy from producers and supply consumers. The Pacific Coast and Union companies are buyers and sellers of oil as well as large producers. The United Oil Producers' Association is a purely commercial company which now cuts a large figure in the field. By far the leading place, however, will be assumed by the Standard Oil company, which is now ready, with its great capital and already large faciliti s, to supply fuel oil and to stimulate its use. As the marketing of the oil product passes more and more into the hands of such companies the standardization of California oils will be hastened and encouraged. Their interests as well as those of the consumers demand it and their experts will teach consumers the significance of comparative qualities.

Officials of the United Oil Producers' Association the other day gave a representative of the PACIFIC OIL REPORTER some interesting facts in this line. It was stated that the oil of the Kern River fields varies much in fuel value. This variation occurs not only with the different oil-yielding strata, but with oils from the same strata in different parts of the field. Oils of the same gravity display considerable difference in calorific value. This is something that has not been worked out for this or other fields but will be

"Consumers have not learned to make intelligent specifications in contracts for oil," it was said at the office of the company mentioned.

"They generally specify a gravity of not less than 15 degrees, but the temperature of the test is not stipulated, and the gravity varies with the temperature, 60 degrees Fahrenheit being the standard. Freedom from sand and water is required and that is generally all. Sometimes oil of 20 degrees gravity at the well simmers down to 14 degrees before consumption, from the escape of gas in the oil, evaporation of volatile elements in transportation and storage, etc. Sometimes the consumer will find it full of chunks and that the oil gets so heavy that it will not flow through small pipes and burners. Such troubles are largely due to carelessness or lack of intelligence in handling by producers who run the oil into sump holes and ship it carelessly, perhaps relying on the consumer's not knowing or caring what he gets.

"Different oils from Kern River and McKittrick are now generally mixed together in storage tanks here and consumers supplied from them. The grade of the whole will vary with the accidental preponderance of a particular grade. Recently a large consumer, who was making careful tests of his oil, said to his dealer, 'What was the matter with that last lot of oil I got? It was different from what I had been getting.' 'I don't know,' said the dealer, 'but I will look into it. What was the matter?' 'Well, we found that it evaporated two pouuds more of water than the other.' It was found that the storage tank was about empty when a large shipment of a rather high grade oil was turned into it. Sometimes a consumer is supplied direct from the car and the oil he gets depends on what well the oil happened to come from. A

Continued on page 7.

STATE MINERALOGIST.

Hon. A. S. Cooper, Who Has Served the Industry Well.

What is known to day about the oil industry of California, from both the scientific and practical standpoints, would be greatly less were it not for the years of studious labor given to petroleum in this state by A. S. Cooper, the present State Mineralogist. It may be stated also that were it not for his appreciation of the great relative importance of petroleum among the mineral products of California, it would not have received the attention it has recently from the State Mining Bureau.

Mr. Cooper is one of the oldest and closest students of both the scientific and practical features of this field of industry in California.

A. S. Cooper, State Mineralogist.

He has been a geologist, mineralogist and engineer all his life and long ago turned special attention to the petroleum and asphalt resources of Santa Barbara county, his home, and of the state generally. He has patented a number of inventions relating to the production and refining of asphalt and oil and is the author of a number of papers on petroleum, his best known one being Bulletin No. 16 of the State Mining Bureau on the "Genesis of Oil and Asphaltum in California." He has made many special reports on oil fields in this state, and is deeply interested in the chemistry of petroleum. He believes that the development of the oil industry in California has yet hardly begun.

Mr. Cooper's four-year term as State Mineralogist will expire in March and his energies will then be expended in this field of industry in a private way. He has lived in California since boyhood, being a son of Franklin Cooper who was the head of the firm of F. Cooper & Co., established in San Francisco in 1850. He was county surveyor of Santa Barbara county for several years.

A WELL KNOWN EXPERT.

Prof. W. L. Watts of the State Mining Bureau.

The name of Prof. W. L. Watts is an especially familiar one as an authority on the oil resources of California and no scientist devoted to expert study of this field has so wide a personal acquaintance among oil men. This is because for several years he has labored almost constantly in the oil fields themselves as a field expert of the State Mining Bureau and he has thus come into contact with most of the active men of the petroleum industry.

This comparatively young expert began his career in Kansas after acquiring a scientific training as a geologist, mineralogist and metallurgist and for some time superintended a smelter in New Mexico. He came to California in 1888 and immediately went to work as a field expert for the State Mining Bureau, a position he has continuously filled ever since. In 1890 he turned special attention to the oil resources of the state and has since confined himself to this department of the mining field. He has prepared three bureau bulletins on the petroleum resources and industry of California, published respectively in 1892, 1896 and 1901, the last one, just issued, being a voluminous and splendidly illustrated work and the best work yet issued on this subject.

He is characterized to an unusual degree by close industry and painstaking care in his work. During

Prof. W. L. Watts.

these years he has been a constant source of personal information to oil men everywhere and in this way has disseminated a vast amount of information and advice. During the past year he has had executive charge of all the field work of the State Mining Bureau in addition to his own special labors. The current appropriation for field work being now exhausted he will for a time labor as an expert on his private account.

THE STANDARD OIL COMPANY.

Inaugurating a Campaign of Education in California.

Manufacturers Being Taught the Many Points of Superiority of Oil over Wood and Coal for Fuel. An Immense Tank Steamer Will Soon be Constructed. The Standard is now Ready for Business.

If oil does not come into general use as a fuel among the manufacturers of the Pacific Coast in the next few months it will not be on account of the lack of effort put forth in this direction by the Standard Oil company in general, and more particularly by its efficient manager, W. S. Miller.

The Standard Oil company is building the tanks and extending its pipe lines throughout the Kern county oil fields, and in a short time it will have at least 350,000 barrels of superior crude petroleum ready for the market.

It is the task of Mr. Miller to find a market and sell the oil.

It is an easy task, if we have the money, to buy the oil, and store it. It's quite another thing to be able to induce a man who has been burning coal all his life, and is rather prejudiced against oil, to give up the former for the latter, and in fact make a complete change in his opinion as to the relative value of the two fuels.

The Standard is in the fuel business to stay. It did not enter the business hurriedly, but carefully, and after having made thorough examination of the situation both from the producers' as well as the consumers' standpoint.

There were three questions to answer: First: Was the oil of California a good fuel oil? Second: Could this be had in large quantities? Third: Could a large demand for California fuel oil be established?

Each of these questions has been answered in the affirmative. Repeated trials of California oil, especially that quality which comes from the Kern River and McKittrick districts, have developed the fact that no better oil for fuel can be found in the United States. The oil burns well and its heating qualities, or in other words its capacity for producing steam, is unsurpassed.

The question as to whether or no California could produce enough fuel oil to make it an object for such an immense company as the Standard Oil to pay particular attention to fuel oil as a matter of business was one which was easily worked out through the development of the oil fields. The rapid increase in the number of producing wells in Kern county soon made it evident that a vast amount of crude petroleum for fuel purposes would soon be offered for sale.

The third problem, namely, how to market the crude petroleum product is as yet unsolved and that is the problem on which Mr. Miller is now at work.

The company is now erecting five 37,000 barrel tanks near Bakersfield, is erecting three of the same size at McKittrick, and two more at Alameda Point across the bay from San Francisco; eight more tanks of equal size with the last are now on their way from the East to be set up in the Kern district. The Standard Oil company will then have in Kern county sixteen tanks with a total capacity of 592,000 barrels.

As to pipe lines the company is now engaged in laying the fourteen miles of pipe already on the ground and when this pipe is laid a large quantity will be here from the East.

In all, probably no less than twenty-five miles of pipe will be laid from the main tank to different portions of the oil fields immediately.

Some of the tanks are completed as is also a considerable length of pipe line and the company is today ready for business. Last week the company made its initial purchase of 80,000 barrels.

The Standard Oil company does not expect to use any of its Kern county oil for refinery purposes. The company claims that the percentage of refined oil that can be obtained from the oil of this district is so small that the refining process would be comparatively useless. Furthermore that the asphalt or residuum obtained from the refining process would be very hard to dispose of, so much of it being produced as to make it impossible to dispose of but a very small proportion.

In order to build up a market for the oil which it has already commenced to buy, the Standard Oil has started in on a stupendous campaign of education, the object being to inform every manufacturer on the Pacific Coast, in California, Washington and Oregon, who uses coal or wood for fuel, of the comparative superiority of oil for fuel over these other varieties.

The superiority of oil over coal is shown not only on account of its cost but also on account of ease in handling, cleanliness, the saving of labor, facility in transportation and in storing, etc.

The Standard Oil company is supplying every manufacturer on the coast with data which shows from actual experiment the superiority of oil over every other kind of fuel especially for manufacturing purposes. Not only this but the company is sending to every manufacturer on the coast a circular letter headed "Economy and Efficiency in the Use of Fuel Oil," which reads in part as follows:

"The Standard Oil company is now in a position to sell Fuel Oil for immediate delivery, or make contracts for furnishing the same. This company has had a great deal of experience in handling fuel oil throughout the Eastern States, and can give to any of its patrons the combined experience of fuel oil users throughout the East, thereby assuring the full energy or value of the fuel oil. We would be pleased at any time to take up the matter of supplying you with oil, and if the oil, (providing you are using oil now) has not been used in your plant to your entire satisfaction, we would be glad to have our expert call on you and assist you in every way possible to make the burning of petroleum fuel oil a success."

The outlook for a tremendous consumption of oil for fuel purposes is so favorable that the Standard Oil company is already figuring with the Union Iron Works for the building of an immense tank steamer which will probably be used in transporting fuel oil to Northern ports where, in spite of the cheapness of coal and of wood, it is thought that oil will soon be used for fuel in preference to these other fuels.

The oil producers of California can assure themselves that if a market for their product can be obtained either here or elsewhere, the Standard will find it for them. The company is expending probably a million dollars as an initial investment in its attempt to establish itself in the fuel oil business. That this money is well expended depends on whether or no a market is secured. The Standard Oil people believe they can sell all the oil they buy and they are leaving no stone unturned in their efforts to secure the desired end.

A 37,000-barrel tank in the Kern River Oil District.

The question "What the Standard Oil will pay for oil?" is something which the producers themselves may largely determine. In many localities oil is not competing with coal to day but with oil, producers being so anxious to sell they are willing to sacrifice the products of their wells at any price rather than allow anyone else to dispose of his oil at a fair figure. One thing that the Standard Oil company will probably effect will be the establishment of a more or less fixed rate for oil of a certain quality.

At present the Standard Oil company intends to buy no oil of a lower gravity than 14 degrees, holding that a heavier oil has practically no market value for fuel purposes. Up to a certain

limit an oil which weighs 7¾ pounds to the gallon contains more heat units than an oil weighing 7 pounds.

The oil which will be handled by the Standard Oil company must be of a certain quality and must contain a maximum amount of heat units. It must also be free from sand, and, in fact must, in every respect, be an oil that can commend itself for fuel purposes.

New State Mining Law.

A new law has been proposed in the State Legislature in the form of a mining bill which is on the lines of the proposed Petroleum Mining Bill now before Congress. It is intended to give the locator on oil land an opportunity of proving the value of his property by allowing him for a time of 120 days the exclusive right to operate it. In order to secure a permanent right he must sink to a depth that will prove the value of the claim as mineral land. This labor must be performed as part of the location procedure, and is not for the benefit of some subsequent locator.

It is in the power of the state to enact legislation not in conflict with the Federal statutes, although there is no state law on the subject at present, the former one having been repealed two years ago.

The Exchange Settled.

The Bakersfield Oil Exchange is to be built along the lines described in a November issue of the REPORTER. The Stock Exchange and offices will fill up the first floor, the second floor will also contain offices and the two upper floors will contain club-rooms and sleeping-rooms. The membership list of two hundred names is now practically closed. The directors are: John Bunting, Solomon Jewett, C. S. Young, H. A. Blodgett, C. S. Berry and G. A. Hare.

Oil in the Desert.

Out on the desert, just east of Kramer, a well is being sunk to determine whether there is crude oil beneath the earth's surface in that locality or not. There are surface indications of oil and recently a large amount of the government land near Kramer has been located. There are some twenty or more companies interested in the oil development near Kramer, and to avoid the expense of each company sinking an oil well the twenty companies combined and are sinking what is known as the "Twenty Companies" well.

The Searchlight Oil company, on the Henley lease above Devil's Gate, commenced to spud, as they call the first 100 feet, on December 27.

Oil Companies Incorporated.

Seven Oil company. Principal place of business, Bakersfield. Directors—D Burkhalter, J M Keith, I J Mack and S L Mack of Bakersfield and A M Dienenfeld of San Francisco. Capital stock, $250,000, subscribed in full.

Carrizo Creek Oil company. Principal place of business, San Diego. Directors, G M Hawley, C F Henking, L A Wright, J M Steade and W P Pollemus of San Diego and W W Hitchcock of Bakersfield and C M Martin of San Francisco. Capital stock, $1,000,000; subscribed in full.

Southwestern Oil company. Principal place of business, Los Angeles. Directors—A B Saulsbury, J C Saulsbury, W B Saulsbury of Los Angeles, J H Barbour and T H Silsbee of San Diego. Capital stock, $500,000, fully subscribed.

Mammoth Crude Oil company. Principal place of business, Los Angeles. Directors—G T Smith, M Streicher, E W Ford, E Olcovich, S Summins, A Olcovich and C B Ford of Los Angeles. Capital stock, $500,000, subscribed, $250,000.

Kern River Oil company. Place of business, San Francisco. Directors—J C Whians, H Brandt, R J Graf, H F Moms, J A Ferson, all of San Francisco. Capital stock, $500,000; subscribed, $500.

Rawhide Oil company. Place of business, Oakland. Directors—W L Mitchener, G G Kennedy, J W Hyde, P C Lassen, W W Chapman, E F Aiken, C Holmes, all of Oakland. Capital stock, $350,000; subscribed, $700.

Gold Coin Oil & Mining Company. Principal place of business, Los Angeles. Directors—C Jantzen, G R Stouffer, M A Cowper, L A Singleton, Los Angeles and H A Pierce, West Glendale. Capital stock, $500,000, all subscribed.

National Paraffine Oil company. Place of business, Oakland. Directors—F Chappellet, C H Dunsmoor, G S Meredith, A L McPherson, C E Cotton, all of Oakland. Capital stock, $500,000; subscribed, $25.

Thirty-Six Oil company. Place of business, o. Directors—A V Lisenby, W W Phillips, W H Weich, E S Valentine, C S Pierce, A Brown, W H Angels, all of Fresno. Capital stock, $500,000, subscribed, $700.

Roanoke Oil company. Place of business Fresno. Directors—H W Maxwell, W W Phillips, H H Welch, E S Valentine, C S Pierce, A Brown, J E Dickinson, all of Fresno. Capital stock, $100,000, subscribed, $700.

Silver Oil company. Place of business, Bakersfield. Directors—T R Evans, B Brundage, W H Walker, H Shore, F Silva, C Boosi, Bakersfield, J Hesington, N C Valencia, B Davis, Delano, and G Thompson, Visalia. Capital stock, $240,000, all subscribed.

Hames Valley Oil company. Principal place of business San Francisco. Directors—G Fredericks, M K Landen, C E Anderson, E C Pitcher, C Bone, San Francisco, C L Anderson, Berkeley and F H Burke, Alameda. Capital stock, $250,000, subscribed, $1,250.

Western Reserve Oil company. Principal place of business, Los Angeles. Directors—R Livingston, W N Best, C E Downstars, A Searl, T J Hampton and C E Day of Los Angeles, and F A Bacon of Pasadena. Capital stock, $50,000, subscribed, $700.

Lape-Smith Oil company. Principal place of business, Los Angeles. Directors—C F Lape, G W Smith, F G McBride, J S Purdy, H Isaacs, F J Heid and C E Norton of Los Angeles. Capital stock, $250,000, subscribed $14,000.

Dry Lake Oil & Mining company. Principal place of business, Los Angeles. Directors, L L Bequette, H L Musser, J H Arbuckle and C C Davis of Los Angeles, C W Bell of Pasadena. Capital stock, $50,000, subscribed, $500.

Pacific Oil company. Principal place of business, Los Angeles. Directors, F G Finlayson, M Lowenthal, L A Pratt, C Forrester and H S Williams of Los Angeles. Capital stock, $350,000, subscribed, $25.

Oil Men, Attention!!

The Occidental Exploration Company buys, develops, exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

F. H. HAUSMAN, Secretary.
Room 32, 8th Floor Mills Bldg.
San Francisco, Cal.

Oil Stock with a Value...

Limited Offering at 75 Cts. per Share

If contemplating a purchase of oil stock, we respectfully submit a few reasons why we expect to interest you in

The Sovereign Oil Company

We own 160 acres and have a lease of 20—180 acres in all, all located in the famous Kern River Oil District. Ownership means an absence of costly litigation to protect title. We own all machinery upon our land, including two Standard drilling rigs.

Progressive management, demonstrated by following facts: Incorporated on October 15th, 1900, and on December 6th (5 days thereafter) had **two wells in oil.** Location of property insures large profit from all oil shipped, because near railroad No costly "hauling" to prevent **any profit** on shipment. Title to property U. S. patent, meaning an asset behind stock.

Our reliability and progressiveness not an experiment. Proven by record of Sterling Oil and Development Company. Th Sovereign is under same management. Prospectus and maps are free for the asking.

10,000 shares at 75 cents per share. Orders filled in rotation of receipt, and the right to revoke this offer, without notice, reserved by company.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, JANUARY 18, 1901.

Finding a Market

The amount of the oil production of the California oil fields is increasing very rapidly. What shall be done with it is a question long-headed producers are beginning to ask themselves very seriously. The gravity of the situation is not lessened by a number of foolish producers who, in their amxiety to obtain a little ready money, are offering oil at ridiculously low prices, claiming as an excuse they must have the money thus obtained to meet pressing obligations or to enable them to drill more wells.

At present there is no fixed price, no standard for oil, nothing to regulate either price or quality of oil.

On this account it is a matter for congratulation that the Standard Oil company has entered the field as a buyer, storer and seller of crude petroleum.

The time may come when the producers of California may haul against the Standard Oil company with might and main. The company may develop a policy that in time will enrich the producers so that there may be but little profit in producing fuel oil.

That may be. But just now the Standard has set itself the task of becoming the backer of the oil men in the attempt to introduce oil as a fuel over coal and wood.

It has inaugurated a campaign against coal such as has never been made in this state, politically or otherwise. It will spend at least $1,500.000 in California in the year 1901. It proposes to make the Pacific Coast an immense consumer of fuel oil for manufacturing purposes. It will operate largely in Puget Sound. It will go into the coal-producing regions, and will prove that California oil can be used for fuel cheaper and more satisfactory than coal can, be used in the very territory which produces coal most abundantly.

The Standard Oil company may in the end, cut prices so that the producers get but little money for their oil. Just now, however, the Standard oil is making the fight for the producers, and is doing more in a month to introduce oil as fuel than the producers could do in years.

What the People Think.

A recent issue of the Californian contains some plain spoken comments on the reported sale of the Reed Crude Oil company's holdings to a syndicate supposed to represent the S. P. company. The writer, who may be supposed to represent current public opinion on that score, states that the news that the Reed Crude has sold out will be welcomed by those who have the best interests of the district and the industry at heart. There was, unfortunately, in the make-up of that company, an element clamorous for dividends that retarded the work. So insistent were some of the shareholders that with a stupendous amount of land to develop, the company stopped the drilling of new wells when the number had reached twenty-six, a circumstance that appears absurd when the proportion of developed to undeveloped territory is taken into consideration. With room for a thousand wells, they were satisfied to rest at a few more than a score.

The breaking up of the monster means work and development.

Another feature is cause for congratulation. It is that by the transfer, the Producers' Association's strength has been greatly increased. The supposition is that much of the land goes to the Southern Pacific, a practical withdrawal of the production from the market, and as good for the association as if it owned the output; and, again, the northwest of 32, from which an immense yield may soon be expected, passes, most of it, into the good hands of O. Scribner of Visalia and W. C. Price of Pasadena, both of whom have struggled hard in the association's behalf. This land will never be used in the fight against the combination, but on the contrary will become a part of its assets.

Fuel Oil and Coal.

Probably the most significant indication of the growing importance of oil for fuel on this coast is the complaints of coal dealers in regard to light demand for their product. The quotations on steam coal are lower than last year, and trade reports state that contracts for future delivery are being made at shaded prices, due to the increasing supply of fuel oil, which is being made use of by factories of every size for economic reasons.

Experiments conducted by the Western Sugar Refinery showed that tne bituminous coal used by them would evaporate an average of 7.88 pounds of water per pound while Coalinga oil gave an evaporation of 13.9 pounds of water to the pound of oil used.

The great scarcity of coal in this state is a condition which must be met by manufacturers, and this is the golden opportunity for oil men to get their product introduced. So serious is the situation that much inconvenience is being felt in Los Angeles, although most of the larger firms are using oil, the Santa Fe company is said to be considerably embarrassed.

The Road to Wealth

Headquarters School and Government Lands.

Lands all c ounties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick. Devil's Den, Mojave Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

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GUARANTEED INVESTMENTS,

To conservative people the only investment to make is one that may be turned into gold coin when money is required. Another point to be carefully considered is: Will the investment yield substantial profits from date or will it remain idle for months, and possibly years, with one chance in a hundred of some day, in the distant future reaching a good figure.

Protection From Loss

is the first consideration for conservative investors. There are two classes of investors; the first are those who are willing to take long chances and a great risk of losing their money in order to make large gains; the second are those who are satisfied with smaller profits earned regularly, a guarantee and absolute security. The latter is what we offer you.

Profits paid in Cash **Guaranteed Security** **Subject to Withdrawal**

FURTHER PARTICULARS WITHOUT COST.

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Write for Souvenir Views of California Oil Fields, Free.

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Thousands of acres of No. 1 OIL LAND in the

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Companies promoted and assisted in the raising of their development funds.

PROMOTER OF THE FOLLOWING COMPANIES.

The **Monarch Oil Company** of Arizona, **Prudential Oil Company** of Arizona, the **Lion Oil Company** of Arizona, the **J.S. Potts Oil Land and Development Company, Sunset Center oil and Developing Company** of Arizona, **Vesuvius Oil Company** of Arizona, and **Tiger Oil Company** of Arizona, all in the Sunset District, Kern County.

HOW FUEL VALUES VARY

(Continued from page 3.)

good fuel oil, such as the best from the Kern River field should evaporate from 14 to 15 pounds of water to each pound of oil under proper conditions, but we have found that some oil from Kern will evaporate but 11 pounds of water. Some consumers realize these differences and others just buy oil and use it as they did coal without studying results. The other day a consumer contracted for one oil instead of another because it was offered ten cents cheaper, but it is a safe bet that he will switch and pay a little more when he has experience with it."

These things illustrate the rather inchoate condition of the fuel oil industry here in the early days of its expansion and the need and promise of competent and systematic determination of comparative fuel values by dealers and consumers. The cheapness and convenience of oil fuel as compared with coal and the assurance of an abundant supply have stimulated consumption enormously.. Public intelligence and confidence regarding fuel oil is the chief thing needed to further stimulate consumption and these will be furthered by the establishment and diffusion of an exact knowledge of the calorific values of California oils.

According to the company mentioned Kern River oils now sell free in the car at San Francisco at from 90 cents to $1 05 as a rule. This means from 40 to 55 cents to the producer at the well. Sales have recently been made at less than these figures.

Perjury in Oil Cases.

An arrest has been made as a result of the six indictments of the Federal grand jury for perjury in the scripper cases. J. A. Hannah, of the firm of Hannah & Miller, attorneys in Visalia, was placed under arrest by the United States marshal and released under $2000 bonds. A great deal of scrip was filed by this firm, and Hannah made the affidavits of non-mineral character of the land. The indictments are the outgrowth of Judge Ross' decision in these cases, which was to the effect that locators of forest reserve scrip on petroleum claims must necessarily perjure themselves in order to make a filing, because they must make affidavit to the effect that the land is non-mineral.

E. A. Pueschel, ex-Receiver of the Land Office at Visalia, and recently editor of a small newspaper at Bakersfield, and Fred L. Maid, a printer employed by him, were also arrested on a charge of defrauding the government.

The indictments are based upon section 5440 of the Revised Statutes, which reads as follows:

"If two or more persons conspire to commit an offense against the United States or to defraud the United States in any manner or for any purpose, such persons are liable to a fine of not more than $10,000 or imprisonment for not more than two years, or to both fine and imprisonment, at the discretion of the court."

Strike at San Diego.

Oil has been struck in small quantity by the Victoria Oil company at Encinitas, San Diego county. Oil sand was encountered at 500, 550 and 600 feet respectively. The company is still drilling, amd intends to go a few hundred feet deeper, as the flow of oil seems to increase with depth. Much trouble has been experienced with water which has prevented a determination of the amount of oil present, and additional casing has been sent for to shut it off.

The Oceanside and San Diego companies, which have been shut down for some time past awaiting developments at the Victoria, are now getting ready to resume work. The San Diego is now down 650 feet, and the management of the Oceanside, which is close to the Victoria, are satisfied that they have a good location.

"Tin-can Measurement."

The "tin-can" system of measuring the output of an oil well consists in receiving the discharge in a five-gallon can and computing the time. A recent test of Monte Christo No. 7 by this method filled a five gallon can in 7 seconds. This is equal to a barrel a minute or 1440 barrels a day. A deduction of half is made for froth, foam, and sand which leaves 720 daily as the actual production.

George McNear, Jr. states that the report that he is connected with the organization of a new oi exchange is without foundation.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwrttieu the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

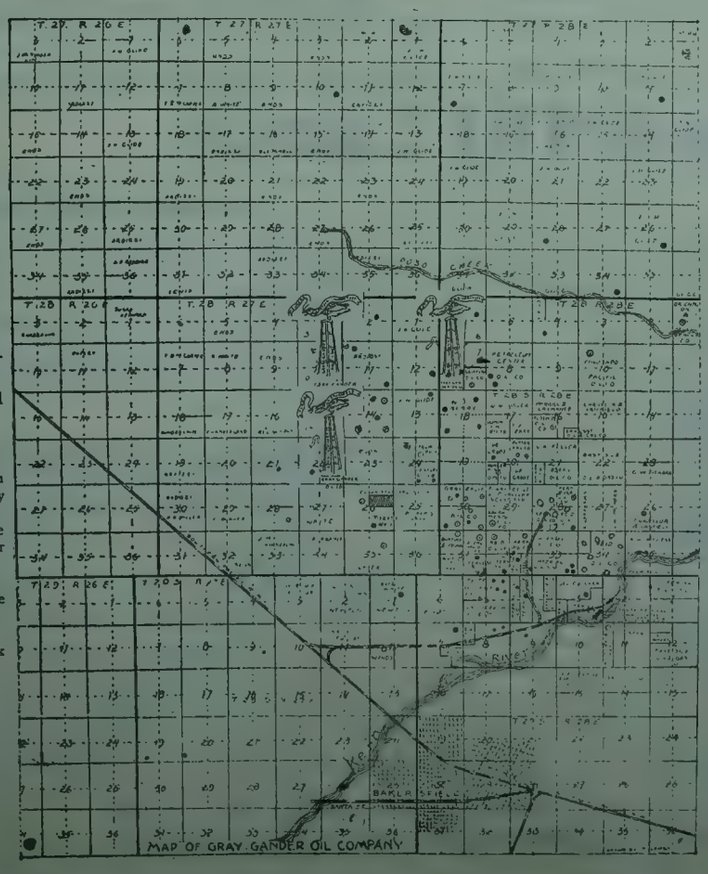
2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any ime.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.



Oil Comp'ny

Incorporated under the laws of South Dakota June 21, 1900.

Capital stock 200,000 shares; pavalue $1 each, Treasury stock 100,000 shares; sold with guarantee for deveopment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L.DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street

Rooms 44 and 45, for special induce ents for short time.

A MILLION DOLLAR SALE.

Property of the Reed Crude Oil Company in Kern River Field Has Changed Hands.

All of the Reed Crude Oil company's holdings in the Kern River field has changed hands, the greater part going to a syddicate represented by W. J. Trask, an attorney for the Southern Pacific company. The price is $1,200,000, payable in two, four and six months. The holdings and leases include 1320 acres in the Kern River field, with twenty-six producing wells. This property is distributed as follows:

Sec. 20, 28-28, 160 acres owned and 166 acres leased; sec. 32, 28-28, 80 acres; sec. 34, 28-28, 400 acres; sec. 2, 29-28; 40 acres, and sec. 14, 29-28, 320 acres.

O. Scribner of Visalia purchased 80 acres in sec. 32, 28-28 for $280,000, and 40 acres in section 32 were sold to W. L. Price of Pasadena, on which $25,000 was paid down. Forty acres in sec. 32 were leased to the Omar Oil company on a 35 per cent royalty, with the option to purchase for $3500 an acre.

This sale passes out of existence the Reed Crude Oil company, which was organized last June and purchased the Reed Crude Oil company's holdings; 35,000 shares of the original 2,000,000 was to be placed with a trustee, and if not sold at more than 50 cents within a year was to revert to the original owners. It is estimated that these shares will bring in 96 cents, leaving a handsome profit over the 50 cents to be divided among the promoters of the sale.

Among those connected with the Reed Crude Oil company are W. G. Kerckhoff, T. S. Fuller, J. Z. Sartori, W. H. Perry, Dr. Henderson Hayward, W. D. Woolwine, Dr. West Hughes, T. L. Reed and Caspare Kohn.

The old Reed company, consisting of W. E. De Groot, T. L. Reed, Dr. W. P. Book and T. S. Fuller, began the development of the land just sold in the summer of 1899, putting down the second well in the river district. When the sale was made to the Reed Crude company there were ten producing wells and five more drilling on the 1700 acres transferred. The present output is about 25,000 barrels per month from twenty-six wells.

An Oil Millionaire.

The suddenness with which great fortunes were made in the most exciting times of the Pennsylvania oil fields is being duplicated in California, where oil millionaires are being made as suddenly as in the palmiest days of the Comstock. One of the most favored of these favorites of Fortune is John Bunting, who a few years ago drove a wagon through Livermore Valley, mending pots and pans for the farmers' wives and trading for butter and eggs. He was one of the earliest locators in the Kern county fields, and is now reported to have an interest in an income of $28,000 with his two partners.

He ordered a private car built while on a recent visit to New York, at a cost of $25,000, and is now traveling luxuriously over the road on which he was formerly a conductor.

A Texas Gusher.

A great flowing well has been struck near Beaumont, Dallas county, Texas, which is reported to be spouting at the rate of over 500 barrels an hour. The oil flows to a height of 175 feet in a solid column, and is only equaled by the great gushers of the Baku field in Russia, one of which spouted 300 feet in the air, there being nothing in America to compare with it. In order to save the output a dome has been built across the canyon and fifty thousand barrels have been accumulated in an artificial lake. Besides this a great amount that was lost before the restraining dam was built, and a trainload of sand has been ordered to stop the oil. The overflow is collecting along the grade of the Sabine and East Texas Railway. The managing owner is Capt. Lucas, who has J. M. Guffy and John Nealy of Pittsburg as associates. The strike is naturally attracting many visitors, and the entire section is said to have gone oil-mad.

New Telephone Line.

To cover the demand of the oil trade, the Sunset Telephone and Telegraph company is now building a pair of heavy aluminum wires from Los Angeles to Bakersfield, at which latter point it will connect with the heavy copper wires going to San Francisco, thus making two distinct routes for telephone service between Los Angeles and San Francisco.

The main copper circuit now working from San Francisco to Los Angeles is composed of 300 pounds to the mile (thus making a loop which is necessary for telehone service purposes of 600 pounds of copper per mile). The new aluminum being put up between Los Angeles and Bakersfield is equivalent to 500 pounds of copper or 1000 pounds of copper wire for each circuit mile.

Capital, $200,000 No. Shares, 200,009

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days

Write to J H. EDSON, Secretary and Manager Central Bank Building, Oakland Cal

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from in dubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. All stock to be raised to 50 cents January 15, 1900.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PAPROTT BUILDING
S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the oney invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

Oil Wanted.

To Secretaries of Oil Cos:

The Pacific Oil Reporter is collecting a sample of the oil furnished by every producing oil company in California, and is preparing a complete exhibit of the different oils. When an analysis of the oil has not been obtained the Oil Reporter has a careful analysis made, which appears with every exhibit.

The oil is exhibited in a specially made flat glass tube, holding one quart.

Oil companies who have not already forwarded a sample of their oil to this office should do so at once. Send the analysis with it, if one has been made.

W. B. Winn,
Publisher Pacific Oil Reporter

The Lincoln.

The Lincoln is one of the most reliable as well as energetic oil companies now operating in the state. The company has land all over the state, but just now are working double shifts, night and day, in the endeavor to finish up their first big well in the Kern River Oil district, in 14, 28-27, where the company has forty acres of proven oil land. Besides this forty acres the company has oil land in Coalinga, Midway, Sunset, Colusa, Glenn, Tehama and Humboldt.

The Lincoln has sold out its first block of 18,000 shares of stock at 25 cents, and is now selling a second block of 15,000 shares at 50 cents. This is going off rapidly, and when disposed of the company will offer no more stock at less than $1.00

The company will complete its first well very shortly, and when this is done the stock will advance very rapidly.

The New Era.

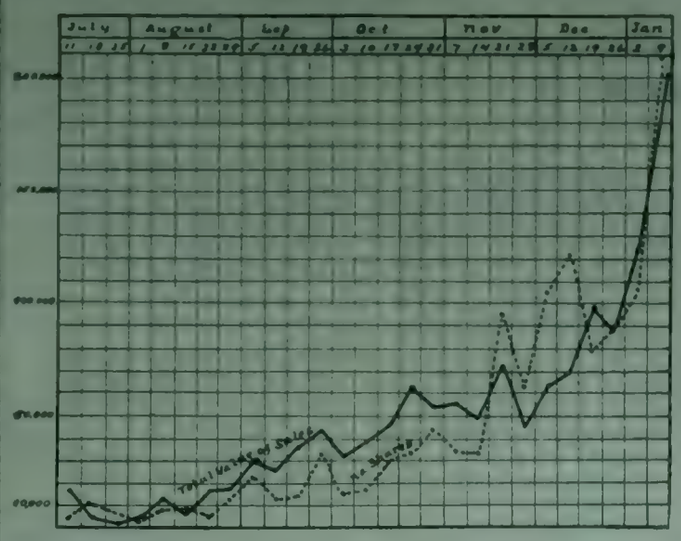
The Wm. H. Mills Syndicate has decided to call its company "The New Era."

It took a long while for some of the Southern Pacific financiers to make up their minds the oil industry had in it permanency and financial stability, but when they did finally conclude that a good oil proposition was something that presented an opportunity for legitimate investment, then even the old boys, like the venerable S. T. Gage, went wild over oil and now they want to get in and ride with the New Eras.

The company has as good a 40-acre section as can be found in the Kern River district. Oil wells near by, and new wells being drilled on every side. The big tanks of the Standard Oil are right in front of the section, and the railroad runs along the line of their land.

Mr. Perkins, private secretary of Mr. Mills, is a member of the New Era company, and he visited the land last Saturday. He came back Monday with the symptoms of a well developed case of oil fever.

San Francisco's Oil Stock Boom.



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This interest, as displayed at the exchange, has increased phenomenally during the past few weeks and especially since Christmas. The accompanying diagram illustrates the progress of the volume of business during the past six months. For the purposes of this illustration the weekly totals, as published by the Pacific Oil Reporter, for weeks ending on Wednesdays are used, and they are arranged according to a scale which shows the total number of shares and the total value of the sales for each week. The recent remarkable increase in business is graphically shown.

After the establishment of the exchange in the spring of last year, business was exceedingly slow and sales few and light until in July when a slight increase in interest was displayed. This increase was gradual throughout the year until the holidays when the remarkable present activity suddenly developed. In the week ending January 9, the number of shares sold was 209,510 and their value $200,769.54. The business of the past week shows a continuance of this unprecedented scale. The present indications are that the increase of business will continue in the future and that this year will see the oil stock dealings in San Francisco attain a scale that will recall the boom times of the Comstock lode in the '70s.

The variation between the lines of sales and values in the diagram are, of course, due to the varying average of values as the preponderance of sales is of low or high priced stocks. There are now over fifty companies listed on the exchange and the number steadily increases.

In San Francisco as a whole, hundreds of oil stocks represent the investments of the public so that the business of the oil exchange represents but a small fraction of the interest which this city has acquired in the oil business. The time is not far distant when storage and pipe-line certificates will be dealt in on the exchange to the great increase of the volume of business.

A. K. Grimm, Pres, Chas. E. Lloyd, Vice-Pres., F. M. Husted, Sec.
Z. T. Gilpin, Treas.

PANOCHITO
Oil Co.

Guaranteed Non-Assessable

2400 acres best selected oil lands.
Complete Standard Rig Strictly up-to-date
Well 500 feet, showing oil of finest quality found anywhere in the oil belt. We are offering a very attractive proposition to bona-fide investors.

For particulars address

F. M. HUSTED, Secretary.
McDonough Building, - Oakland, Cal.

CORPORATIONS FORMED.

Stocks Guarantc Mining Prodpertics Handlcd.

The Pacific Coast Underwriting Company incorporate companies under the laws of any State or Territory desired and furnish every thing complete to commence business.

Bonds furnished to guarantec stocks: any amount from One Hundred to Five Million Dollars. Mining properties bought and sold. Money advanced on guaranteed stocks. Grandest opportunity ever offered to people with moderate means to make money; buy or lease a tract of oil land, incorporate a company, sell stock enough to put down a well, 80 per cent of the chances in favor of success.

Investigate our methods if you have stock to sell.

Call or address, Main Office, 507-508 509 Parrott Building, San Francisco.

The Sovereign.

The Sovereign Oil company, now operating in 31, 28-28, has completed well No. 1 at a depth of 1000 feet. This well has over 400 feet of prolific oil sand. It is now being perforated preparatory to being sand pumped. Just what it will produce no one can say, but the well is known to be an extremely good one, and will yield as much oil as any well in the Kern River oil district.

Well No. 2 is down 890 feet, and will prove as good a well No. 1.

The company is putting down a water well and will soon inaugurate a complete water system.

The company now has three complete rigs and will start drilling wells Nos. 3, 4 and 5 within ten days. There are ten derricks already up.

This company has also 160 acres in 1, 28-27, one mile north of the great Edgar well, and in a direct line of the rapidly increasing proven territory. In fact, the property is already within the limits of the proven oil field, and derricks are being erected on all sides. The company will soon be able to lease land to other companies to good advantage.

Kern Oil Lands.

$1 to $2.50 Per Acre

I have 2,500 acres of located land in Kern county, showing splendid indications of oil, for sale. Half cash and half stock in any first-class company. Want to sell part to raise money to develop the balance. Address "G. W." Pacific Oil Reporter.

HOWARD H. SHINN

Member Producer's Oil Exchange and San Francisco Stock Exchange Board.

240 Bush St., Mills Bldg

Oil Stocks and Securities.

A MILLION DOLLAR SALE.

Property of the Reed Crude Oil Company in Kern River Field Has Changed Hands.

All of the Reed Crude Oil company's holdings in the Kern River field has changed hands, the greater part going to a syddicate represented by W. J. Trask, an attorney for the Southern Pacific company. The price is $1,200,000, payable in two, four and six months. The holdings and leases include 1320 acres in the Kern River field, with twenty-six producing wells. This property is distributed as follows:

Sec. 20, 28-28, 160 acres owned and 166 acres leased; sec. 32, 28-28, 80 acres; sec. 34, 28-28, 400 acres; sec. 2, 29-28; 40 acres, and sec. 14, 29-28, 320 acres.

O. Scribner of Visalia purchased 80 acres in sec. 32, 28-28 for $280,000, and 40 acres in section 32 were sold to W. L. Price of Pasadena, on which $25,000 was paid down. Forty acres in sec. 32 were leased to the Omar Oil company on a 35 per cent royalty, with the option to purchase for $3500 an acre.

This sale passes out of existence the Reed Crude Oil company, which was organized last June and purchased the Reed Crude Oil company's holdings; 35,000 shares of the original 2,000,000 was to be placed with a trustee, and if not sold at more than 50 cents within a year was to revert to the original owners. It is estimated that these shares will bring in 96 cents, leaving a handsome profit over the 50 cents to be divided among the promoters of the sale.

Among those connected with the Reed Crude Oil company are W. G. Kerckhoff, T. S. Fuller, J. Z. Sartori, W. H. Perry, Dr. Henderson Hayward, W. D. Woolwine, Dr. West Hughes, T. L. Reed and Caspare Kohn.

The old Reed company, consisting of W. E. De Groot, T. L. Reed, Dr. W. P. Book and T. S. Fuller, began the development of the land just sold in the summer of 1899, putting down the second well in the river district. When the sale was made to the Reed Crude company there were ten producing wells and five more drilling on the 1700 acres transferred. The present output is about 25,000 barrels per month from twenty-six wells.

An Oil Millionaire.

The suddenness with which great fortunes were made in the most exciting times of the Pennsylvania oil fields is being duplicated in California, where oil millionaires are being made as suddenly as in the palmiest days of the Comstock. One of the most favored of these favorites of Fortune is John Bunting, who a few years ago drove a wagon through Livermore Valley, mending pots and pans for the farmers' wives and trading for butter and eggs. He was one of the earliest locators in the Kern county fields, and is now reported to have an interest in an income of $28,000 with his two partners.

He ordered a private car built while on a recent visit to New York, at a cost of $25,000, and is now traveling luxuriously over the road on which he was formerly a conductor.

A Texas Gusher.

A great flowing well has been struck near Beaumont, Dallas county, Texas, which is reported to be spouting at the rate of over 500 barrels an hour. The oil flows to a height of 175 feet in a solid column, and is only equaled by the great gushers of the Baku field in Russia, one of which spouted 300 feet in the air, there being nothing in America to compare with it. In order to save the output a dome has been built across the canyon and fifty thousand barrels have been accumulated in an artificial lake. Besides this a great amount that was lost before the restraining dam was built, and a trainload of sand has been ordered to stop the oil. The overflow is collecting along the grade of the Sabine and East Texas Railway. The managing owner is Capt. Lucas, who has J. M. Guffy and John Nealy of Pittsburg as associates. The strike is naturally attracting many visitors, and the entire section is said to have gone oil-mad.

New Telephone Line.

To cover the demand of the oil trade, the Sunset Telephone and Telegraph company is now building a pair of heavy aluminum wires from Los Angeles to Bakersfield, at which latter point it will connect with the heavy copper wires going to San Francisco, thus making two distinct routes for telephone service between Los Angeles and San Francisco.

The main copper circuit now working from San Francisco to Los Angeles is composed of 300 pounds to the mile (thus making a loop which is necessary for telehone service purposes of 600 pounds of copper per mile). The new aluminum being put up between Los Angeles and Bakersfield is equivalent to 500 pounds of copper or 1000 pounds of copper wire for each circuit mile.

Capital, $200,000 No. Shares, 200,009

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days

Write to **J H. EDSON, Secretary and Manager** **Central Bank Building, Oakland Cal**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern River District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange,
San Francisco, Cal.

Lincoln Oil Company

The LINCOLN OIL COMPANY is coming to the front. They report a ready sale of the first issue of Treasury Stock, 4500 shares being purchased by one party. With plenty of funds now in the Treasury, and with their business entrusted to enterprising men, the stockholders can be assured of the rapid development of the company. Investors will do well to secure some of the remaining shares of their first issue at 25 cents. All stock to be raised to 50 cents January 15, 1900.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PAPROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the oney invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

Oil Wanted.

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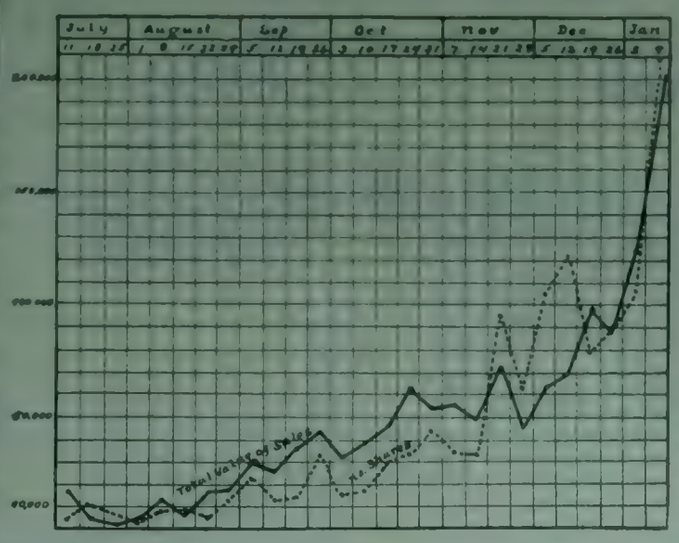

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HOWARD H. SHINN

Member Producer's Oil Exchange and San Francisco Stock Exchange Board.

240 Bush St., Mills Bldg

Oil Stocks and Securities.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

CONTRA COSTA.

The Harvey syndicate, who leased from the Tidewater, are down a little over 800 feet, and have already a small flow of oil with indications very favorable for big strike.

The Mt. Diablo company are down 200 feet on their well three and one-half miles from San Pablo, and indications are very favorable.

The Contra Costa Oil & Development company are down 650 feet in their well eight miles from Antioch and have already struck a large body of prolific oil sand. There is considerable oil in the well now. Work has been retarded by a fishing job, the drill being lost in the well. By the time this paper is in the hands of its readers the drill will probably have been recovered.

President Deardorff, of the Grand Pacific company rejoices that after some vexatious delays over cave-ins and the non-arrival of casing, that at last all difficulties have been overcome, and, the drill is now knocking its way rapidly toward the prolific oil sand that surely lies below. The doctor will push matters as rapidly as a good crew and experienced drillers can handle the tools. All the machinery is new and of the latest pattern, and if rapid progress is not made from now on, Dr. Deardorff proposes to know the reason why.

GLENN.

The Briscoe Oil company has 1250 acres of title land and 2200 acres of leased land, located on both sides of the first low range of hills in Glenn county.

KERN.

On 10, 29-28, the Acacia is down 400 feet.

The S. P. Company, 25, 28-22, has completed its fishing job.

The Edgar, 18, 28-28, has 150 feet of oil sand at a depth of 1360 feet.

On 24, 28-27, the Century is putting in a string of 5⅝ casing.

The Jupiter Crude, 32, 32-24, is awaiting a shipment of tools.

The Black Goose has a casing spear stuck in the well.

Although no development has been done on land south of the river, some property in that neighborhood is being held at $1500 an acre.

The Mt. Diablo No. 2 has 350 feet of oil sand on 30, 28-28, and has not yet reached bottom.

The best well of the Petroleum Development company, better known as the Santa Fe, is much deeper than those first sunk, and is now producing 250 barrels a day.

Work will begin soon at three rigs on 35, 12-24, near the J-B-B

Drilling has been begun on section 32, 32-24, by the Tysea.

The Lone Star is again ready to drill. It is now down 1200 feet.

Work has been resumed on the New Hope in the Poso Creek territory.

Scarcity of brick at Bakersfield makes it difficult to put in boiler foundations.

The special edition of the Kern County Echo is a very creditable number, well illustrated with maps and half-tones.

The second sand has been struck by the McKittrick Consolidated at 1200 feet on 18, 30-22.

On 18, 28-28, the Petroleum Development well is ready for perforation. It has 185 feet of sand.

On township 31-34, ten miles from the Loop, thirty-four locations have been made recently.

The Equity, a San Francisco corporation, will begin work on twenty acres in 21, 28-28.

The well of the Petroleum Development company on 10, 28-28, is down 1183 feet. Sand was struck at 960 feet.

A San Francisco company called the Electric has a lease on 10, 29-28, which calls for drilling to begin February 7.

The Standard Oil company's right of way privileges for their pipe-lines in the Kern River field are being made in the name of the Pacific Coast Oil company.

The Graves company has sold forty acres more of its holdings to F. P. Fuller of San Francisco. This leaves the company only the twenty acres on which its wells are located. The price reported is about $3000 per acre.

Sufficient funds have been guaranteed by individual owners to provide for the building of a spur into the gulch on section 33.

Ten acres in the NE¼ of section 10, 29-28, near the San Joaquin property on the Means ranch, has been leased to H. M. James and others of San Francisco

A company will be organized by O. Scribner to develop the NW½ of 32, 28-28, recently purchased by him from the Reed Crude Oil company.

LOS ANGELES.

The Cahuenga Oil company has moved its rig and will begin drilling well No 3.

One well has been completed by Grant brothers, and a rig is being put in place for well No 2.

The Pacific Slope has made arrangements to begin No. 4.

The Rodeo Oil company well on the West Side is holding its own and whenever it is pumped shows up well.

Wells 5 and 6 of the Rommell Oil company, in the southwestern extension, recently completed, are showing up as good producers.

Pitcher & Garbutt are still working on their No. 2 in the local field, which it is said, has already cost the owners about $15,000. Drilling has not yet been begun on No. 3.

Lowe & Williams, near the corner of Temple street and Western avenue, have the drill down 150 feet, and from the last

A Guaranteed Investment

THE FAMOSA OIL AND INVESTMENT CO.

Offers to Investors an Absolutely Safe Investment.

The Famoso Oil and Investment company offers to investors an absolutely safe investment. Stockholders get back dollar for dollar in the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famoso is capitalized for $350,000 Par value, $1.00 and is underwritten by the Pacific Coast Under writing Company and guaranteed by the Continental Building and Loan Association of San Francisco, with assets of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

OFFICER

Jno. P. Albro - - President
A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famoso Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing we s and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

Office, Room 393 Parrott Building, - San Francisco.

Branch Office, 1330 E Street, San Diego, Cal.

accounts the tools are still in the hole in spite of all that the operators can do to pull them.

The first well of Weyse & Goldsmith in the local field is down 200 feet.

The Blanche Oil company has a good showing of oil sand at 300 feet.

Thomas & Greenland have finished a good well west of the Paris in the local field.

The Paris Oil company has landed No. 7 on the West Side at 350 feet.

The Weyse Oil company has finished their fourth well in the local field at 330 feet.

It is expected that well No. 6 of the Weid Oil company, recently finished at 315 feet, will be a good producer.

The Pico Oil company has a fishing job on its hands in the local field and the proposition of starting a new hole is being considered.

The Green Mountain Oil company began drilling yesterday in their second well on Rockwood street in the local field. No. 1 is on the pump and holding up well.

The Badger White Oil company will begin drilling soon on their land in Placerita canyon, in the Newhall field. Much of the stock of this company is being placed in the East.

ORANGE.

The Globe well is down 600 feet.

Work on the Crown of the Valley well and the Edison Oil company's well is still at a standstill.

The Chino Land and Water company is progressing slowly on its uew well north of the Fullerton field.

The Brea Canyon Oil company is progressing slowly in well number 7, a lot of coarse gravel being encountered.

The Montezuma Oil company is having better luck in its second well than in the first. Drilling is progressing rapidly.

The Olinda Crude Oil company's new well on the Olinda ranch is down 740 feet. A small quantity of oil was struck Wednesday.

The Carbon Canyon Oil company struck another stratum of oil on Saturday, making the fourth time the drill has passed through oil.

Another oil company is being organized in Anaheim and is making an effort to raise funds to drill in the eastern extension of the Fullerton field.

The Columbia Oil company reports good indications in wells 9 and 10, at a depth of 1000 feet. A rig will be built at once for another new well, number 11.

Mr. Corper at the head of the brewers' association of the United States, will join a close company with W. C. Eymann and Richard Schellens to drill a well on the Hole ranch, in La Habra.

The Santa Fe company is building a new rig for a third well on the lease adjoining the Fullerton Consolidated Oil company's lease. The new well will be just across the line from the Fullerton Consolidated gusher.

The Liberty Oil company has not succeeded in shutting off a flow of water which was met at about 500 feet in its well in Los Angeles. A second oil sand has been found beneath the water, but what it amounts to cannot be determined. If the water is not shut off within a day or two the rig will be removed and another attempt made.

Graham & Loftus are pushing development work on their lease. Well No. 11 is now down 360 feet, with a light showing of oil already. Well No. 10 is 875 feet deep and oil has been struck in the hole since a depth of 500 feet was reached. Well No. 7 on this lease is down 1110 feet and it has made a good showing of oil sand and shale since a depth of 400 feet was reached. This company will also begin other development work soon, having placed an order this week for one and one-half carloads of heavy lumber for rig building.

SANTA BARBARA.

At Summerland the Sunset company has just finished a well that indicates twenty-five barrels. The well is 500 feet off shore and is the next to the last of a string from the company's wharf. A lateral wharf is a possibility.

F. G. Churchill has commenced drilling a well for the Diamond Star Oil company.

The Wood company had a small blaze at one of the derricks on its wharf.

At Naples, Santa Barbara and Naples Oil and Land company is going rapidly down with well No. 2.

In the Sycamore canyon the company of that name is finding more and more seepage every day. The well is slightly over 600 feet deep.

STANISLAUS.

The Oakdale Leader confirms the report that a well or wells will in all likelihood be bored before long in the Orange Blossom Colony quarter, with a view to developing oil. Specimens of oil from seepage promise a fine quality.

SAN BENITO.

The Ashurst Oil company will go to drilling near the Vallecitos in about a week. They have everything on the ground now. Six derricks will go up on the John Ashurst property before May 1st.

The Hamiltonian and Fresno and San Benito are proceeding with their development work.

A great many oil claims have lately been jumped in the Little Panoche and Silver Creek fields, but there are only a few claims in the Vallecitos on which assessment work was not done.

SONOMA.

The Appleton ranch near Agua Caliente has been leased on a one-eighth royalty to Santa Rosa parties, for the purpose of prospecting for oil or gas. Coal and oil indications are said to be abundant

VENTURA.

The Montana Oil company has made a contract to take out two casing spears and part of a pair of jars lost in their well sometime ago.

The Sespe Canyon Oil company have finished their road up Sespe river to the place where they intend to drill their first well, about half a mile above the mouth of Tar Creek. The road cost $900.

The Jones lease to oil territory on the O'Hara tract was recently sold to the Golden West Oil company for $20,000. This lease has nine years to run.

An official notice declares the intention of the Union Oil company to remove its principal place of business from Santa Paula to Los Angeles. This does not affect the shops or business of the Union Oil Well Supply company, which will remain at Santa Paula.

The Caribou.

The Caribou well at Coalinga is now completed and is being pumped for a three days' test. It is believed the flow of oil will exceed the highest expectations. The old well of the Caribou, which was practically abandoned is now yielding up a barrel of oil to about three of water, and wise ones say, the well will make a good oil producer yet. It is claimed the company has 100 acres of good oil land in its first location.

Casmalia, Ranch, Oil and Development Co.

Incorporated under the laws of California

Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

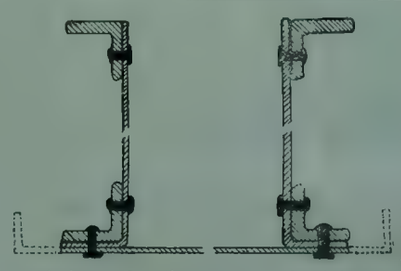
Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building



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A Galvanized Tank

That has an angle Iron Hoop around the top and the bottom and has all the seams running up the sides to stregthen it as shown in the cut if you want to do so. Notice how the rivets pass through the bottom and side sheets and angle iron hoop and how the bend in side sheet is on inside of tank where the crack is covered in soldering. Your tinner can get the right to make them or we will make you one.

J. E. BREITWISER, Inventor. - - - McKittrick, Cal

Jacalitas Petroleum Co.

Operatingin the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capitalization. Economical management

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,

399A Parrott Bldg, San Francisco

NEW OIL EXCHANGE.

Project to Establish One in San Francisco.

An active movement for the establishment of a new oil exchange has been on hand in this city for the past three weeks. A number of oil men who believed that the time is opportune for a new organization have formed a committee of eighteen members, of which six are representative of the Pacific Stock Exchange, six come from the Produce Exchange and the remainder stand for the Mershon interests. This constitutes a committee on membership, and all applications are submitted to them for decision. The question of incorporation as of operating as an association is still under consideration. Meanwhile 157 applications will be submitted to the committee, who will select 88 names in addition to the twelve present at the organization to make up 100 members of the new exchange. Other applications will be received by Messrs. McPike and Cadogan up to next Tuesday when the list will be closed.

The place selected for the meetings of the San Francisco Oil Exchange, which will be the name adopted by the new organization, is the old Pacific Stock Exchange rooms on Montgomery street, near the office of the OIL REPORTER.

The price of seats to charter members is placed at $100.

Mr. Geo. McNear, the owner of the building, will have his interests represented on the new board by his son, Fred McNear, and the McNear oil holdings in the Kern River district and elsewhere are large, although the property has so far not been developed in any way. Another oil man extensively interested is Mr. Mershon, representing the Monarch, Lion of Arizona, and other Sunset properties.

Others interested are: E. Aigeltinger, W. C. Carpenter, Charles S. Kapp, DeWitt Brown Lowe of New York, W. W. Gollin, G. S. Clark, Ferd Reis, Al. Gerberding, Fred W. McNear, I. Herzberg, Adolph Strassburger, George F. Beveridge, Samuel Irving, H. C. Tilden, W. S. Purdy, H. M. Levy, Joseph A Stulz, Andrew Patrick, J. G. Scott, Thomas Pheby, Charles Dunsmoor, H. U. Maxfield, Faxon B. Atherton and Mark L. McDonald.

MINERAL LANDS BILL.

Legislature Petitioned to Urge Congress to Take up the Bill.

At a meeting of the executive committee of the California Miners' Association, having a representation from the California Petroleum Miners' Association, a resolution was offered by Col. L. P. Crane, that a committee of three be appointed to frame a resolution asking the State Legislature to urge Congress to immediately take up the Mineral Lands Bill and pass the same as a relief for the mining industries of the State of California. The chair appointed as such committee, L. P. Crane, Attorney-General Tirey L. Ford and Ex-Congressman A. Caminetti, who met and adopted the following resolution,

RESOLVED by the Senate of the State of California, the Assembly concurring,

That the Congress of the United States be respectfully and earnestly requested to immediately pass that certain bill known as the California Mineral Lands Bill and being the same bill drafted or endorsed by the Hon. Binger Hermann, Commissioner of the General Land Office, and looking to the classification and segregation of the mineral lands within the Railroad Land Grants in the State of California.

That the immediate passage of said bill is to the utmost degree important.

That without the relief sought through the bill in question mineral titles will remain unsettled, mineral rights incapable of satisfactory adjustment, and the mineral resources within such grants undeveloped. Capital will not seek investment under existing conditions and the consequent loss to the industrial resources in this State is almost incalculable. In hort, the necessity for the desired relief is immediate, urgent and imperative.

Committee—L. P. Crane, Chairman; Attorney-General Tirey L. Ford, Ex-Congressman A. Caminetti.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, January 16:

AMERICAN FUEL.

500 at	25	125 00

BEAR FLAG.

3500 at	50	1750 00
1500 at	48	720 00
1500 at	52	780 00
400 at	55	220 00
2000 at	53	1060 00
500 at	54	270 00
500 at	51	255 00

CALIFORNIA STANDARD.

8350 at	38	3173 00
4700(B30)at	39	1833 00
5400 at	39	2106 00
5000(B60)at	39	1950 00
3000 at	36	1080 00
6000(B60)at	40	2400 00
2000(S30) at	40	800 00
325 at	37	1036 00
1000(B10) at	40	400 00
2500 at	40	1000 00

CARIBOU.

50 at	60	30 00
400 at	62	248 00
200 at	61	122 00
2700 at	55	1485 00
1145 at	50	572 50
200(S30)at	50	100 00
500 at	46	230 00
215 at	45	96 75
200 at	47	94 00
500 at	51	255 00
500(S30)at	54	270 00
100 at	57	57 00
400 at	56	224 00

CONTINENTAL

100 at	1 07½	107 50
1400 at	1 15	1610 00
100 at	1 05	105 00

FOUR OIL CO

7487 at	58	4442 46
7000 at	57	3990 00
1600 at	59	944 00
1815 at	56	1016 40
4000 at	55	2200 00
500(S30)at	57	285 00

HANFORD.

4 at	121 00	484 00
2 at	120 00	240 00
7 at	115 00	805 00
1 at	117 00	117 00
1 at	116 00	116 00
45 at	110 00	4950 00
27 at	105 00	2835 00
36 at	100 00	3600 00
1 at	98 00	98 00
12 at	102 00	1224 00
1 at	101 00	101 00
4 at	104 00	416 00

HOME OIL.

450 at	4 00	1800 00
960 at	3 90	3744 00
75 at	3 95	296 25
400 at	3 85	1540 00
100 at	3 75	375 00

INDEPENDENCE.

1500 at	22	330 00
1150 at	21	241 50

HANFORD-FRESNO-KERN RIVER.

100 at	48	48 00
850 at	45	382 50
350 at	44	154 00

JUNCTION.

400 at	65	260 00
300 at	70	210 00
200 at	75	150 00
400 at	84	336 00
1600 at	83	1258 00
1600 at	85	1360 00
200 at	80	160 00
200 at	81	162 00
300 at	82	246 00

KERN RIVER.

10 at 16	87 1-2	168 75
50 at 17	00	850 00
25 at 17	25	441 25
10 at 16	25	162 50

KERN OIL

170 at 11	00	1870 00
220 at 11	25	2475 00

LION.

3700 at	22	814 00
2800 at	23	644 00
4200 at	25	1050 00
1500 at	26	390 00
3900 at	27	1053 00
6500 at	28	1820 00
7200 at	29	2780 00
2500 at	30	750 00

MONARCH OF ARIZONA.

900 at	74	796 00
100 at	72	72 00
900 at	73	657 00
800 at	79	632 00
650 at	78	511 00
1350 at	80	680 00
500 at	81	405 00
500 (B 30)at	81	405 00
450 at	83	373 50
300(B90)at	80	240 00
2700 at	75	2025 00

MONTE CRISTO.

500 at	2 20	1100 00
1000 at	2 10	2100 00
150 at	2 05	307 50
750 at	2 15	1225 50

McKITTRICK

200 at	37	74 00

McKITTRICK CONSOLIDATED.

600 at	35	210 00
200 at	29	58 00
800 at	25	200 00
7100 at	20	1400 00
200 at	23	46 00
100 at	22	22 00
100 at	21	21 00

OCCIDENTAL OF W. VA.

1300 at	63	819 00
200 at	62	124 00
100 at	64	64 00
800 at	65	520 00
100(B60)at	67	67 00

OIL CITY PET.

60 at	34 00	2040 00
45 at	35 00	1575 00
16 at	33 00	528 00

PEERLESS.

360 at	7 75	2790 00
210 at	8 00	1680 00
50 at	7 50	375 00
200 at	7 87½	1575 00
200 at	8 12½	1625 00
250 at	8 25	2062 50
250 at	8 50	2125 00
400 at	8 62½	3450 00
200 at	8 75	1750 00
125 at	8 87½	1109 37½
100 at	9 00	900 00

PETROLEUM CENTER.

12405 at	27	3339 35
3100 at	26	806 00
4900 at	28	1372 00
4000 (B30) at 29		1150 00
1000 (B 30) at 28		280 00
1600 (B 30) at 28		448 00
20 at 12	25	245 00
80 at 12	50	1000 00
50 at 12	75	637 50
50 at 13	00	650 00
109 at 13	25	1444 25
150 at 13	50	2025 00
120 at 13	75	1650 00
350 at 14	00	4900 00

THIRTY-THREE.

250 at 14	00	3500 00
325 at 12	00	3900 00
10 at 12	75	127 50
50 at 12	50	625 00

TWENTY-EIGHT

1400 at	2 35	3290 00
750 at	2 37½	1781 25
100 at	2 30	230 00

REED CRUDE.

10800 at	70	7560 00
3200 at	71	2272 00
6400 at	67	4288 00
1000 (B 30) at 70		700 00
1000(B 30) at 71		710 00
4100 at	69	2829 00
8200 at	66	5412 00
1000 (B 30) at 68		680 00
1050 at	68	714 00
500 (B 60) at 71		355 00
500 S 20 at 68		340 00
500 (S 30) at 69		345 00
3650 at	72	4028 00

S. F. & McKITTRICK.

25 at	1 50	37 50
135 at	1 60	216 00

STERLING.

500 at	3 45	1725 00
100 at	3 50	350 00
200 (B 60)	3 60	720 00
250 at	3 40	850 00
200 at	3 35	670 00
500 at	3 30	1650 00
710 at	3 25	2307 50
100 (S 30) at	3 30	330 00

YUKON.

275 at	50	137 50

QUEEN ESTHER.

900 at	55	495 00
400 at	50	200 00
3600 at	40	1440 00
2000 at	45	900 00
1000 at	48	480 00

WEST LAKE

1500 at	28	420 00

WEST SHORE.

200 at	4 20	840 00

WOLVERINE.

2450 at	1 80	4410 00
1950 at	1 75	3412 50
300-B30-at	1 75	525 00
100-B60-at	1 75	175 00
500 at	1 70	850 00
900 at	1 65	1485 00
200 at	1 77½	355 00
200 at	1 85	370 00
300 at	1 82½	547 50
50 at	1 77½	86 25

Shares 242,428 Amount $208,806.33½

A Novel Exhibit.

Leonard & Leonard, dealers in oil, oil lands, and oil stocks, of 204 Montgomery street, opposite the Mills Building, have a novel exhibit in their window consisting of an oil well being pumped by a minature engine. The oil is coming up from the well in regulation style, being pumped by the beam as is the case in most wells not being "jacked." Next to the engine are the buuk houses, etc., always seen about a well. The exhibit attracts much attention. It was designed by Mr. Joseph Leonard, one of the best known builders and contractors of Alameda. Mr. Leonard is now in the oil business, and is making a success.

Batz & Jordan

Dealers In

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Agents for the Occidental and sub-companies, Lone Star, Lion, Monarch. Sole agents for Corona and Golden West Stocks. Rooms 497, 498 Parrott Bldg. San Francisco. 'Phone, South 788

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Oil Stocks,

Real Estate and

Mines.

205 Montgomery St., Opposite Mills Bldg
San Francisco, Cal.

FUEL OIL VALUES.

Tests to be Made of Petroleum of Different Gravity.

Experiments so far made have seemed to show that there is no appreciable difference in the fuel value of oils of different gravity, the only difference being in the weight, as the oils of lower specific gravity of course weigh less to the gallon. A desire for more specific results has led the chemistry department of the University to an investigation of the fuel value of California petroleum. It has been found that some coal has 30 per cent. more heat giving power than other coal. The University will now try to learn whether there is the same wide range in the heat giving capacity from the various fields of California.

California crude petroleum differs greatly from the Pennsylvania and Russian oils, and there is wide difference between the petroleum from Los Angeles, Coalinga and the Kern River district.

Edmond O'Neill, associate professor of organic and physiological chemistry, will direct the investigation, and he will be aided by H. N. Cooper, assistant in chemistry, and by a number of advanced students. Oil from the various fields will be studied from the point of view of the fuel value, and a number of other tests will be made to determine its ch emica composition and its technical and commercial characteristics. This research will be of much value no only in a practical way, but alsot as a contribution to chemical science, inasmuch as the California petroleums have received but little attention from scientific chemists.

The cost of evaporation required by the refinery when done with coal fuel was $250,000 per year, including an expense for fire-room service of $19,200. It required about 150,000 barrels of oil to take the place of 35,000 tons of coal, at an expense of $204,000, with a fire-room service of $6,200 included.

These figures show an effected saving of $46,000 a year in favo- of oil at the best market price, and the saving in service alone is $13,-000 per annum. By the ton coal which cost $6.55 per ton is replaced by oil at a cost equivalent to coal about $4.44 for Nanaimo.

Comparing oil at different prices with Carbon Hill coal, with a ratio of 7.6 pounds of water to one of coal and fifteen pounds of water to one of oil, the relative value, taking the difference in cost of service into consideration, is as follows:

TABLE OF COMPARATIVE VALUES.

Oil per barrel.	Coal per ton.
$1.00	$3.30
1.10	3.62
1.20	3.95
1.30	4.29
1.40	4.61
1.50	4.94
1.60	5.27
1.70	5.61
1.80	5.94
1.90	6.27
2.00	6.60

These figures are for oil weigh ing 310 pounds to the barrel. As far asthe relative fuel values of oils of different gravity is concerned, experiments so far as carried out have shown no difference except in the weight.

The Los Angeles Exchange.

The oil stock market at Los Angeles as viewed from the standpoint of the exchange has showed a decided improvement si ce the first of the year. In the last issue of the REPORTER announcement was made of several important changes in the Los Angeles Exchange and some favorable predictions were made in view of the probable result of these changes. These predictions have already been verified in a measure and the immediate future would seem to indicate a greater realization of the optimistic views expressed. Not in months has there been such active trading on the stock board of the southern city as that recorded during the past week. The organization has broadened in its scope and is now dealing in the stocks of local banking institutions and certain other well-known corporations. Since the movement to transact business in such securities was started the name of the association has been changed from the Los Angeles Oil Exchange to the Los Angeles Stock Exchange, in accord with the policy now ruling the institution. As yet trading in bank stocks has been rather quiet as would naturally be expected, in as much as as this class of securities is not as active as other stocks.

The next move will probably be in the direction of mining stocks and it is now understood that the governing body of the exchange will list a number of approved mining corporations at as early a date as possible. With such an enlarged sphere of action the Los Angeles Stock Exchange should become a flourishing institution, through whose channels should flow a large stream of investment and speculative business.

Law for Oil Men.

An affidavit of assessment work recorded within six months after the time within which the labor had to be performed is prima facie evidence of such labor.

The Mineral Lands Bill now before Congress is for the purpose of securing a proper classification of the mineral lands which have been secured by the railroad as agricultural.

Assessment work by the locator of a claim who had previously failed to do assessment work on the ground, so that it was subject to relocation, will prevent any relocation by other parties subsequent to the performance of such work.

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Wholesale and Retail Dealers.

A full stock of all kinds of lumber

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Oil Lands given for development purposes or for forming companies.

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Telephone—Black 91.

Point Richmond

OIL COMPANY

Capital Stock, $100,000 100,000 shares $1.00 each.

Expert Examination shows that we have one of the finest tracts fo oil land in Northern California. Our two prospect wells confirm this. We will be drilling in Contra Costa county in about thirty days.

Strong Board of Directors

No Salaries, No Expenses

Stock Now Selling at 5o cents a Share

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Having unusual facilities for placing Development Oil Stock in the East, desires four months' option on about 200,000 shares. Plausible prospects and investigable company standing essential. Address: "G. J.," PACIFIC OIL REPORTER office.

THE KERN RIVER EIELDS.

Extract from an Article by C. S. Young, Ph. D.

SURFACE INDICATIONS.

The experts for the Tevis estate looked over Kern River field and condemned it. Also experts from Los Angeles, Pico Canyon, Summerland, Coalinga, and other oil districts in its early history viewed the district with distrust. The oil men who came here from Ohio, Pennsylvania and West Virginia had seen nothing like it and passed it by. Chanslor & Canfield, the most successful oil firm in California, had heard of the Elwood strike, had been told of the indications, and would have nothing to do with it, but later on, when developments had demonstrated its value, they expended nearly $250,000 in the purchase of oil lands at what was considered then exorbitant prices. Those of us who are the pioneers in this district listened for hours to the theories of oil men who had operated in the Eastern oil fields, and, measuring the value of the indications on the surface with what they have seen elsewhere, they were in no sense complimentary of its future.

PRIMITIVE OIL MINING.

A few days after the discovery was made, the old man and his son, who had never seen an oil derrick, were developing for oil on the "Discovery" well in June of a year ago. One would dig at the bottom of the shaft and the other would haul up the dirt in the bucket by means of a windlas. Both were covered from head to foot with the thick black oil. All visitors to the new district would go to the emigrant wagon under the banks of the river where Mrs. Elwood did the cooking for her husband and father-in-law. They would ask her all kinds of questions. Politely she would answer as best she could. Then the prospector would take a stroll up the river, where the oil sand and seepages extend for a mile and a half, forming the banks of the river, the sand bank protruding itself sometimes over the water's edge. Here was the kindergarten for the future oil inspector in the Kern River district. Indications similar to those found in the well on the river bank were followed in a northwesterly course for many miles, and locations were made in accordance with the mining laws for placer gold. The first oil well was drilled in section 3, 29-28, in July following the discovery, by Milton McWhorter, and the development of the well was carried on to the depth of 359 feet, which well later on was purchased and paid for by E. L. Doheny, superintendent and manager of what was then known as the Santa Fe Oil company. The second well was drilled by W. P. Book and W. D. De Groot of Los Angeles and T. L. Reed of Fresno, a month later.

GRAVITY OF THE OIL.

Kern River oil has a gravity ranging from twelve to twenty degrees. The lightest of the oil was found in the well a few days ago on section 31, owned by the Senator Oil company, and at a depth of 1115 feet. The greater the depth and the further to the north and west developments are made, the lighter the oils are found to be. It is predicted that at still greater depths strata of oil sand will be found in which there will be oil as light as that found in any of the Eastern fields, or the California fields, such as Coalinga, Kreyenhagen, Pico canyon and in the new districts of Colusa, Contra Costa and Santa Clara counties.

THE DEPTH OF THE WELLS.

As I have said, oil was first struck by the Elwoods on section 3, near the river, at a depth of forty-three feet. As there is a slight dip to the west and south, the further northwest the wells are the depth at which oil is struck. The average depth on section 3 is probably about 450 feet; on sections 33 and 4 800 feet; on section 31, 900 feet. The deepest well in the district is one drilling by the Edgar Oil company, in section 18, 28-28, which is now about 1300 feet.

THE AVERAGE DAILY PRODUCTION PER WELL.

The average production per day of the wells near the river is about thirty barrels. Superintendent B. F. Brooks of the Central Point Consolidated and other companies says that the average produdtion of thirty-eight wells in section 4, 29-28, is 100 barrels per day. He reported to his company on the first of December that his shipments since the first of May last amounted to 66,300 barrels. Had his pipelines and tanks been completed and had he been able to secure sufficient cars, his shipments of oil would have been very much greater than that reported.

Superintendent John A. Stroud of the Monte Cristo Oil company, operating in section 5, says that the average production of each of four of his best wells is 200 barrels per day. H. H. Blood, president of the Sterling Oil company, operating in section 31, says that the average of thirty-one producing wells on this section of land is 100 barrels per day. The largest well in the district is probably well No. 16, on section 33, which has produced as much as 900 barrels per day, but the average of which is, probably, 600 barrels daily. It is a very conservative estimate that the average production of the wells for the whole district is not less than seventy-five barrels daily. and when the wells are developed in the western part of the territory it is reasonable to expect that the average daily production per well for the whole district will amount to not less than 100 barrels per day.

THE COURSE OF DEVELOPMENT.

Following the northwest course the prospector has been successful in his search for oil for a distance of at least six miles, from section 2, 25-28, to section 18, 28-28. The thickness of the oil sand in the well on section 18 is between 200 and 300 feet, and the drill is still in the "pay streak" and going down. This promises well for the northwest territory.

THE ESTIMATED DURATION OF THE WELLS.

It is most difficult to estimate the probable life of a man or a tree. It it less difficult, however, to estimate the life of an oil well when you know the thickness of the oil sands and the saturation of oil therein contained. With 100 feet of oil sands such as is found in this district, C. A. Canfield, for the benefit of the public, estimates that there will be on every acre of land not less than 20,000 barrels of oil. He privately thinks that it will reach 300,000 barrels per acre. Should Mr. Canfield be correct in his estimate that there are 300,000 barrels in every acre

Normal Oil Co'y

Organized Under Laws of Arizona

STOCK ABSOLUTELY NON-ASSESSABLE

We Start With
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$3250.00 in Cash
—AND—
Our First
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FACTS WORTH CONSIDERING

Sure of Oil

300,000 Shares in Treasury——50,000 Shares All We Sell

PRICE, 15 CENTS PER SHARE

Our Company will be as near a close corporation as possible; therefore will sell only a small amount of our treasury stock. We put it at the price to sell quickly, and price is subject to raise at any time. Our land is situated in the **heart** of the **Oil Belt** of San Luis Obispo and Monterey Counties, and has been experted by State Mineralogist Cooper and other noted experts, and by them pronounced **absolutely sure of Oil.** Capital stock, 750,000 shares; par value, $1.00.

J. L. GEARY, Jr., Secretary.

Office: 363-364 Parrott Bldg., San Francisco, Cal.

Twenty or Forty Acres for Sale in

24, 28-27

Kern River Oil District.

A GRAND CHANCE FOR A COMPANY IF TAKEN IMMEDIATELY.

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San Francisco, Cal.

The Flashlight Oil Co.

Capital $500,000 shares,—$1 each.

Owns 1200 acres in the best part of the the Oil City District, Fresno County The land to be developed first lies but two and a half miles from railroad station. No sand in the oil in this disrtict, the oil being of a higher, finer grade than further south.

Stock Non-Assessable.

Capable, conservative men behind the company.

The first sale of the stock is now offered at the extremely low price of 20 cents per share. Put your money with us and help put down our first well and you will get the full benefit of the rise in the stock. Our best oil men say we have as good land as there is in the State Address all communications and make all drafts payable to

F. M. PERSINGER, Secretary

Rooms 115-117 Phelan Bldg. S. F., Cal.

Pacific Oil Reporter For Sale At News Stands

of this proved oil territory of 10,000 acres, the wealth of oil already discovered would be almost incredible—2,000,000 barrels at 50 cents a barrel, the value of this oil, would be $1,000,000,000. This dwarfs in importance the yield of gold and silver from the Comstock or any of the mining districts within the State of California. The estimated yield of oil per acre may be the more readily believed when it is considered that in Pico canyon a well during the twenty five years of its existence has yielded more than 200,000 barrels, and another well 1,000,000 barrels of the oil product. All of the oil from the Coalinga field comes principally from less than sixty acres, located in the northeast quarter of the famous section 20. Notwithstanding the small acreage of proved territory in the holdings of which this is made a part, a sale of the property has just been closed at the price of $800,000.

In Corsicana the oil strata are from five to fifteen feet in thickness; in the Lima-Indiana pool ten or twelve feet in thickness, and sometimes good wells are produced from an oil rock that is less than one foot in thickness, and yet the average life of a well is from five to fifteen years or more. In Los Angeles, with an average thickness of the oil sands less than seventy-five feet, and carrying a much less percentage of saturation of oil, those wells have been in operation for more than five years, and how much longer they will last no one knows. By comparison with the thickness of oil sand such as is in the Kern River district from 300 to over 500 feet, it is not too much to assume that twenty or thirty years hence these wells will be producing oil in large quantities.

The thickness of the oil sand varies from twenty feet on the river to as much as 500 feet in the western limits of the territory. In section 4 the average thickness of the oil sand for thirty-eight wells is about 500 feet; in section 33, for twenty-eight wells, it is about 400 feet; in section 31 about 475 feet In at least one or two of the wells the thickness of the oil sand amounts to as much as 700 feet. It is safe to assume that in the developed territory the average thickness of the sand is not less than 400 feet, and as the drill has never passed through the stratum the whole extent of the oil sand is still unknown.

Fifteen per cent of saturation is a conservative estimate of oil in these sands. Some of the most experienced oil men claim twenty-five per cent saturation. Four hundred feet of oil sand with a saturation of fifteen per cent, signifies that if the sand were removed and the oil were by itself in a reservoir, the depth of the oil would be sixty feet, spread over the whole surface. If one half of the oil can be sucked up through the valves of a two inch pump, by a simple mathematical calculation it is easy to determine the life of a well.

Gas Near Hollister.

The San Benito county oil well is down to 700 feet, with favorable indications for oil. The Bee says: The formations so far have been as follows: First 71 ft. loam sand boulders. 71 to 81, black bituminous shale. 81 to 130, water sand with abundance of fresh water. 130 to 149, black bituminous shale. From 149 to 221, water sand, second supply of fresh water in abundance. 221 to 270, black shale but mixed with blue shale. From 270 to 337, water sand, with mineralized salt water and gas, 337 to 462, blue shale, with gas all through it 462 to 472, water sand, abundance of gas and second stratum of salt water. 472 to 600, blue shale, gas increasing. 600 to 662, shale of a sandy nature with abundance of gas, which is in such quantities that they dare not set the torch to it. From the first time they found gas it has been the custom every day to light it, to the great satisfaction of visitors, who in this vicinity have never seen an oil rig, or gas burn from a well being drilled.

One day last week the torch was applied, and the flame shot up to a height of twelve feet, with the same diameter as the size of the casing. All present watched it burn some fifteen minutes, then the order was given to snuff it out and proceed with the drilling, but it was found no easy matter to extinguish it. After applying several methods which failed, they took a twenty-foot joint of casing, plugged the top end of it, attached to it, and with the engine hoisted it up and let it down directly over the casing in the well. The end of the casing fitting into the collar, shutting off the air, put it out, and Manager R. P. Lathrop, gave a preemptory order not to light any more gas or take any risks hereafter.

WANTED.

A party to furnish rig and contract to drill a well in McKittrick District, Kern County. Derrick already erected. Address:

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AMOUNT OF LAND AND ITS LOCATION.

THE PEOPLE DIRECTLY INTERESTED

AMOUNT OF STOCK IN TREASURY

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Since the organization of this company it has acquired 244 additional acres of fine oil lands in the Vallecitos District, San Benito County. This makes a total of 404 acres owned by this company. Capital stock 100,000 shares par $1.00. Treasury stock 40,000 shares. Limited amount to be sold. Stockholders are fully guaranteed against loss, as the officers and directors are men of wealth and integrity. Reference is made to the CALIFORNIA PETROLEUM MINERS' ASSOCIATION, San Francisco, Cal., or THIS PAPER.

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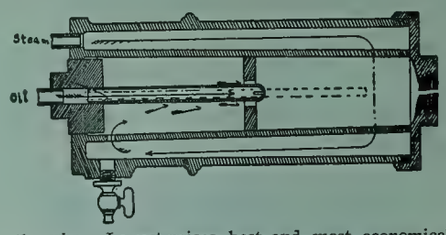

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Proven territory. Title to both pieces of land perfect and patented. Call personally (no agents) on

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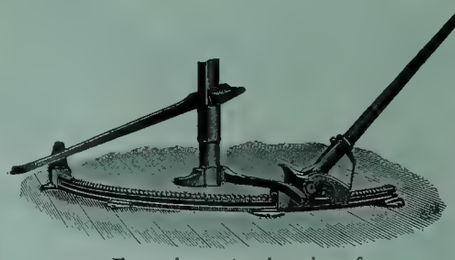

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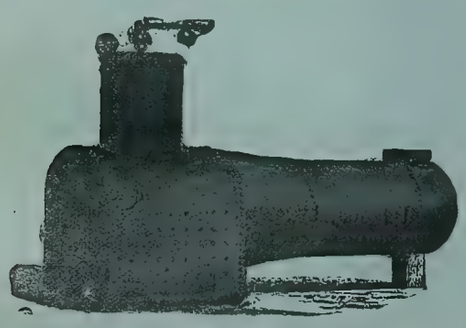

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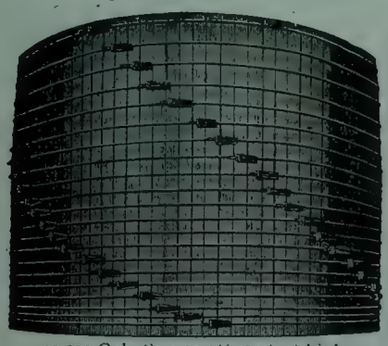

30,000 Gal. Size 20-2½x14 feet high.

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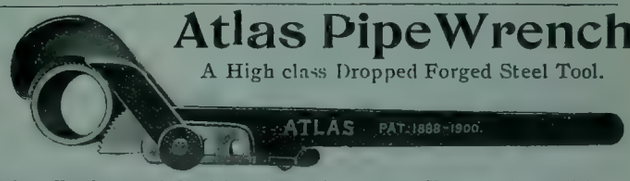
Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.



Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

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The Best **The Cheapest**

Climax Oil Well Drilling Engine

Equipped with patent Ball Slide Valve, quicker in action than any in the field.

Boilers, Pumping Engines & Steam Pumps For Oil Wells.

Send for price list on our **special pipe** with threaded couplings for oil or water, as serviceable and cheaper than any pipe in the market. Furnished only in following sizes 2 inch, 2¼ in, 2½ in, 3 in, 3½ in and 4 in.

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ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Bennett, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

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Capital.....$200,000
20,000 shares at $10
Location, Ventura county, 150 acres two miles south of Buckhorn.
Officers- Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president: W I Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary: H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer, W M Walker, field superintendent.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francsco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital.....1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor F Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its tire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, prosideut, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location N ½ of NE ¼, S 28 T 28, R 28 E, Kern River District; N E ¼ S 12, T 27, R 26 E, Poso District Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 21 Sansome street, San Francisco, Cal. Telehone. Main 683 Stock selling at par

EQUITABLE OIL CO.
Capital.....$500,000
100,000 shares at $5.
Location: Kern county: Southwest ¼ of section township 25 south, range 17 east. M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room 5.

FAMOSA OIL & INVESTMENT COMPANY. Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Abro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office, 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital..... $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

GREAT NORTHERN OIL CO. OF OAKLAND
Capital..... .....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

J S POTTS OIL, LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital..... $200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53. Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20. 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president. J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

M. C. Nunan, President. M. L. Culver, Sec. Daniel Meyer, Trs.

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Capital..... $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona

HERCULES Oil CO.
Capital $100,000,— 100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District
Directors –Rudolph Mohr, Jno. F. Seymour, Fred P. Plagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital.....$400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m

INDEPENDENCE OIL CO.
Capital..... $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice-president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO
Capital.....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, we st, S B B and M, Sunset district
Officers and Directors: W C; Tighe, president; Joe Bancroft, vice-president J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building. adera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finuel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finuell, D. B Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

OCEANSIDE OIL COMPANY OF ARIZONA
Capital.....$375,000
375,000 shares at $100 each.
Location: 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents 346 Parrott Bldg. Telephone, Jessie 1683.

PETROLEUM CENTER OIL CO
Capital.....$500,000
500.000 shares at $1.00
Incorporated, October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-Pesident, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland,
Office—Room 29, Third floor, Mills building, San Francisco.

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co; Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telepheno, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco, Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E, first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S., range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, R. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, town ship 15 south, range 10, east.
Officers and Directors—H W Conkling, president Allen Brant, vice-president; D A Porter secretary; C A Bothwell, treasurer; J C Conkling S H Langford, J C Griffith and C H Field.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY.

Capital $400,000
500,000 shares, at $1.00 each.
Incorporated, July 31, 1900.
Land, 200 acres, in Sunset and Kettleman Districts.
Officers and directors—Ambrose Harris, secretary, Tyree A Bell, superintendent, John I. Greer San Rafael, W B Taylor, San Rafael, D C Campbell, Los Angeles, A H Brod, Paul Reifield Lewis, L Barrere, San Francisco, H L Great Frank N Stone, attorneys, Germania Trust Company, treasurer.
Offices 611 612 613 Hearst Bldg, San Francisco

SURETY OIL COMPANY

Capital $600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and S 1/2 N R 16 W, S B M, Los Angeles County Calif Newhall district.
Officers and Directors, M Estermaux President, Geo Greely King Vice President T H Pearne Secretary, D A Thieme, M C White.
Farmers and Merchants Banks depository.
Office, 109 Henne Block Los Angeles, Calif

SALINAS OIL AND DEVELOPMENT COMPANY Incorporated October 2, 1900. Capital, $1,000,000 Number of shares 1,000,000 Land, 2000 acres, in Monterey county Officers and Directors—President, Wm N McCarthy San Francisco, vice-president, J J Gunn Independence, treasurer, Wm N McCarthy, secretary, J B Olsen, San Francisco, superintendent Jno C Quinn; C A Burchom, J F Baker, N A Dorn, W J Ellis and S S Simon attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THE RAVENOIL COMPANY.

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch, Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

THREE STATES OIL CO Limited.

Capital.....$1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Oon E P Colgan, I N Puttison, M F Levy
Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital.....$300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO,

Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L P Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671

XLNT OIL COMPANY.

Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M
Office--- 552 Parrott building, San rancisco, Cal

YUKON CRUDE OIL CO.

Capital.....$250,000
100,000 shares at $2.50
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.
Office 638 Market street, San Francisco

COLOSSAL OIL AND MINING COMPANY.

Capital.....$500,000
500,000 shares at $1.00 per share.
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice-president and manager, N. Hawthorne Spitzer, secretary and treasurer, A. W. Gale, superintendent of construction.
Offices: Emma Spreckels Bldg., 927 Market st., San Francisco, Cal

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I have option on small block of stock—Solid company just struck good well on their extensive territory.
A very excellent speculation. Will sell at 15 cents per share.

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STOCK BROKER.
MEMBER LOS ANGELES OIL EXCHANGE
628 Laughlin Building, Los Angeles, Cal

A Splendid Opportunity

FOR INVESTMENT

Mt. Diablo Oil Company

In section 30, 28-28, Kern River District. Has one good producing well and the second well is nearly finished. Price of stock $1 per share.
We also have for sale or lease any part of section 26, township, 32 south, range 23 east, Sunset District, on reasonable terms.

ROOM 625, LAUGHLIN BLDG.
LOS ANGELES, Cal

GRAND PACIFIC OIL STOCK

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Best Investment On the Market

Absolutely Non = Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows

Sunset and McKittrick District, Kern County
Coalinga District, Fresno County. Kettleman District, Kings County.
and Contra Costa County

ECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful development is absolutely assured.

12,000 Shares Sold in One Day.

One Hundred Thousand Shares Sold in Less than Three Months

Second 100,000 shares now selling rapidly at $1.00 per share; will probablybe sold by January 15 when 3d 100,000 shares will be placed on the market at $2.50 per share.

The Officers of the Company are all well-known business and professional men

A. G. Deardorff.....President
J. M. Merrell.....Vice-President
John Choice.....Secretary
Wells-Fargo Bank.....Depository
F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
John Choice J C Sala F. A. Berlin
R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO Tel. South 740.

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

Endorsed by the California Petroleum Miners' Association.

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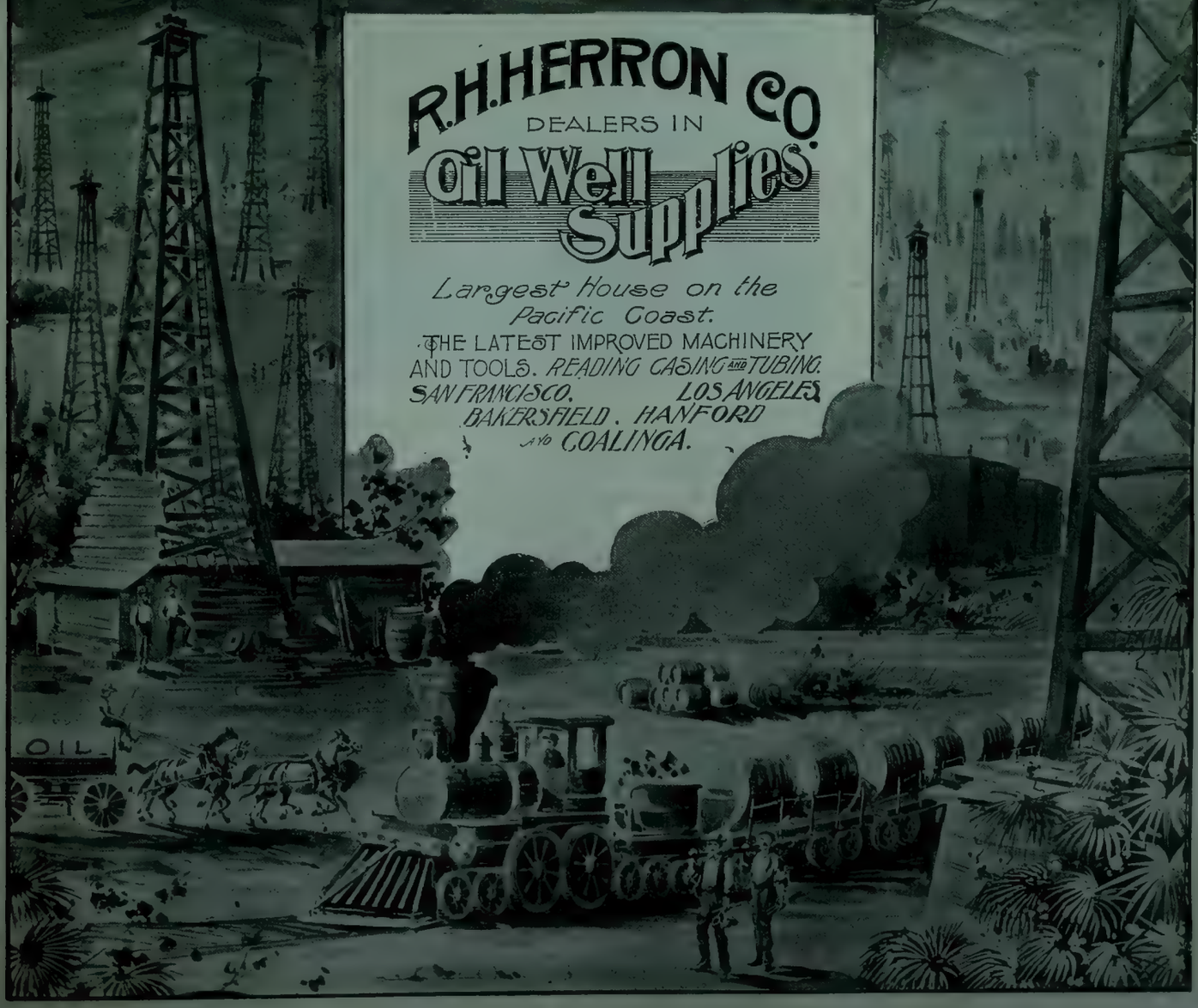
PACIFIC OIL REPORTER

SAN FRANCISCO, CALIFORNIA, FRIDAY, JANUARY 25 1901



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The Oil Sand

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MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R. F. MORTON C.E.

Scale of Chains — Scale of Miles

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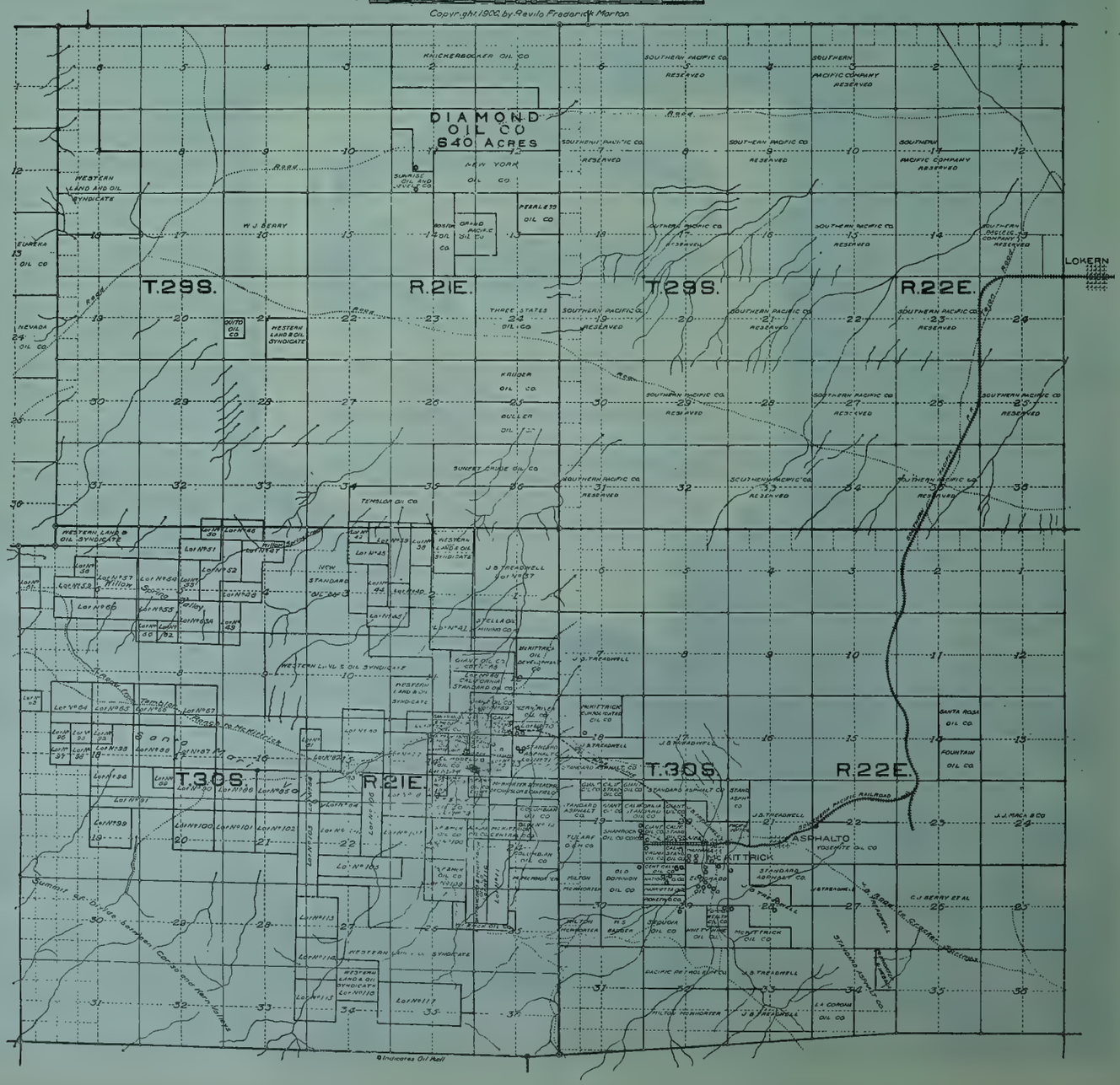

PACIFIC OIL REPORTER

VOL. 2. NO. 12. SAN FRANCISCO, CAL., FRIDAY, JANUARY 25, 1901. PRICE, TEN CENTS.

THE HUMBOLDT GUSHER.

Oil Overflows the Casing of the Mackintosh Well.

So rapidly has the area of proven oil land in California enlarged during the past year that it has been almost impossible to keep track of all the development which has been going on in the numerous organized districts, much less the pioneer work carried on quietly in various sections, which no doubt in a few months will become as famous as are the well known districts of today.

One of the oldest and yet the least known of these districts is the Mattole valley in Humboldt county. In 1866 the Fonner well was put down nearly three hundred feet, striking gas but no oil. Gas was also struck by the Upper Mattole Oil company in 1867 at a depth of 250 feet on the SW¼ of SW¼, S 28, towrship 2 S, range 1 W, and Dr. Pugh sunk about 300 feet on the same section with the same results. These early wells were of course too shallow to receive serious consideration. The Davis well west of Petrolia went down fifteen hundred feet, mostly without casing, and did not strike either oil or water. The Union wells on 30, 1-1, ranged from shallow wells to a thousand feet and produced about a barrel a day. A decision of the Land Office in regard to the withdrawal from entry of the land as being mineral in character put a stop to the work for the time.

The well about which the chief interest centers at the present time is that of Angus Mackintosh, who may be considered the pioneer of the present oil development of this county. Recent reports state that this well had the packing between the 7⅝ and 9⅝ casing blown out by the gas pressure, forcing the oil to flow from between the strings of casing. The well was started with a 11⅝ casing, and has now reached the depth of 1540 feet with the casing reduced to 7⅝ on the last 100 feet used. A cap was put on the inner casing and the gas vent closed, but the well gradually filled with oil and the gas pressure has forced it to overflow. Three sands have already been tapped and the abundance of gas favors the belief that the drill is now approaching the fourth sand. Should this prove a good one the well would be a real gusher instead of an overflowing well. At the present time there are two hundred barrels of oil in the well, which will be bailed out before being deepened.

In sinking this well Mr. Mitchell states that the drill went through the following formations: shale and conglomerates 500 feet, limestone strata 260 feet, thin strata of oil sand with small flow of oil, hard sand rock 305 feet, strata oil sand 8 feet, limestone strata 100 feet, hard, black sand rock 120 feet, oil sand with good flow 15 feet, limestone strata 235 feet with strong flow of gas indicating that the drill was near another strata of oil sand. At this point the end of the cable was reached and work was necessarily suspended till a new cable 2500 feet in length could be procured, although it is not expected that over 2000 feet will be needed.

The well is located in township 1 south, range 2 west, Humboldt meridian, in what is known as the Mattole Oil district, situated about forty-five miles south of Eureka and with a good wagon road from Ferndale. The country here is rolling with no very high hills in the immediate vicinity and the well is on the lower ground. The formation in the immediate vicinity is free from faults. The oil is obtained from a fine-grained, porous sandstone of a gray color.

Five other wells are being drilled in this district. The nearest is the Wild Goose, distant 1½ miles from the Mackintosh; the next is the Reed well about three miles away, both in a northeasterly direction. Two miles beyond the Reed well is the Union, and all three of these wells have found oil in small amounts at a depth of about 500 feet, with a formation similar to the Mackintosh. Eight miles from the Mackintosh is the Humboldt well, and the Humboldt Paraffine company is operating fifteen miles away. Mr. Mackintosh thinks that next summer will show an output of five hundred barrels daily, which will justify the building of a pipe-line to a tide-water harbor, perhaps South Bay, where the oil can be shipped by tank steamer.

The Mackintosh Well in Humboldt County, where Oil is now Running over the Casing.

SOUTH OF KERN RIVER.

Much Development Work Being Successfully Done.

Those who agree that three feet of water on top does not disprove the existence of oil hundreds of feet below, and who have gathered in land south of Kern River on the strength of this judgment, are very likely to be soon numbered among the oil kings. The investing public has overcome its prejudice against developing oil land on the south side, ever since the actual value of the Snook well on 10 and the shallow depth at which the group of wells on section three south of the river struck oil have been learned. Enquiry into the true character of prospecting heretofore done south of Kern River shows the limited extent to which valuable search has been made.

On section 15 in the southeast quarter, the Caspian company, which had a very small holding got down almost 830 feet. The well was unwisely abandoned while the drill was working in blue clay. The owners did not feel inclined to go deeper because at that time, over a year ago, the Kern River field was considered a shallow well district and many supposed that if oil was not found within 600 feet the game was up. The land lies considerably above the river bed and the test was manifestly inadequate. The well is now most likely to be deepened.

On section 36, 28-28 and on the northern part of 5, 29-29 heavy artesian flows although accompanied by much inflammable gas, gave rise to talk of a "water belt." The second Barker Ranch well, however, drilled south of the water well was in firm formation down to 985 feet at which point the hydraulic outfit broke down burying eighty feet of pipe, drill, and a broken fishing tool under debris from an uncased hole. The drill was eleven feet into a very hard blue shale when the pipe twisted off. A little oil and much gas had been previously encountered, in each case in a bluish sand under a hard shell. Over twenty-five hard shells had been penetrated and over six hundred feet of blue clay. A new well will soon be commenced on this property.

On section 12, 29-28, oil was once reported. Then talk of "salting" arose and finally wealthy operators who have heavy interests to the northwest took charge of the hole. What they got or did not get and at what depth they quit work and why has always been a mystery to all but the initiated. It is currently believed that the well never reached 1000 feet or its neighborhood, and that it was not wholly dry although perhaps it had been originally salted by some one. The good faith of the owners themselves is and always has been unquestioned.

In the early days of the excitement some prospecting rewarded with oil streaks was done on Cottonwood Creek. No thousand foot test was ever made for lack of funds on the part of the owner. At present Eckstrom and other experienced oil men are putting down a well on 24, 29-29 near its eastern line. There are rumors that some oil has been already reached. Otherwise no work has been done to determine the character of the territory now being so eagerly sought after by men who do not want "sure" land but do want a "long shot with mining chances.'

The opinion expressed by Professor Watts in his new State Mining Bureau Bulletin strengthens confidence. One of his friends in putting down a well on 16, 29-29, and the railroad leases open to the world until recently on lands in 29-29 have been secured by parties who believe in the northwest-southeast trend.

Maurice V. Samuels, who always manifested unswerving faith in the east end of Kern River, believes that the oil sands do not lie northwest and southeast on the ruler line but rather follow the course of the river on an almost parallel line to its south. The water wells close to the river, in his judgment, mark a genuine narrow break at the east end of the river although near the proven field he does not believe the river's course has any significance at all. On the Barker Ranch, south of the first water well, uniformly firm formations, wholly free from water, were penetrated.

The records show large properties controlled by the group of gentlemen he represents, extend-

Continued on page 6.

SUCCESS WITH FUEL OIL.

Why the California Street Railway Company is Delighted.

The California Street Railway company of San Francisco is one of the new consumers of fuel oil in this city, having been burning Kern county oil under its power-house boilers for about four weeks, and although its consumption is small compared with that of a few larger local consumers of steam power, it is now saving about $18 a day, or about $6,500 a year on its fuel bill by substituting oil for coal as fuel.

Besides this economy, which means a considerable increase of dividends to stockholders, its power plant is being run with a convenience and satisfaction which greatly pleases everybody concerned, from the cheapest laborer to the president, and the tall chimney at California and Hyde streets no longer belches smoke day and night, wherefore the resident community near by blesses this corporation.

The use of fuel oil by this important company is worthy of a somewhat detailed account because its experience is a typical one well illustrating the methods and advantages of this use by consumers of steam power. The information here given was gained by the PACIFIC OIL REPORTER mainly by the courtesy of the intelligent and competent chief engineer of the company, Mr. A. D. McLean.

For some time the company had been using Franklin coal, which cost about $5.75 per ton at the power house. Heed was given to the fuel oil boom and to the representations of sellers of oil, with the result that the experiment involved was tried. A contract for an oil supply was made and a Wilgus oil-burning plant was adopted and installed.

For the reception of the oil, as delivered by the contractors, a storage tank holding 7,000 gallons or about 165 barrels, a little more than four day's supply, was built under the sidewalk next to the engine-room, by permission of municipal authority and in accordance with the Fire Marshal's requirements. The tank is of iron, surrounded by a brick wall seventeen inches thick. The oil is pumped from this tank to the fire-boxes through a pipe which enters the tank at its top and extends close to the bottom. There is thus no chance of an accidental outflow of oil. As a further precaution against fire a steam pipe from the boilers connects with this delivery pipe and by opening a valve the full steam force of the boilers can be instantly turned into the tank, smothering at once any fire that might occur there from any cause. A vent pipe to carry off gases leads to the roof.

The oil is drawn from this tank, through the pipe described, by a pair of nice little duplex steam force pumps which then squirt it through other pipes into the fire boxes where the oil becomes intense flame. But it is important that the force with which the oil is so delivered shall be constant, except for the regulation the engineer shall impose, and to effect this there is fixed between the storage tank and the pumps a pressure reservoir and a pressure valve which, in this case, are guaged to a pressure of 20 pounds. The effect is that this reservoir and this valve do not operate when the pressure is below this point, but whenever it exceeds 20 pounds the excess of oil drawn from the tank is automatically returned thereto, thus preventing any increase above this point in the pressure of delivery from the pumps to the furnaces.

When the oil leaves these pumps under this pressure it passes first through a cylindrica heater where the exhaust steam from the pumps alone is utilized to raise the temperature of the heavy oil to 195 degrees Fah., thus increasing its fluidity and its efficient exit from the burners. The delivery pipes, of about one-inch diameter, are easily and simply run to the fronts of the furnaces, which, of course, were built for coal burning. Here, on the exterior is a combination of valves to regulate the flow of oil and steam through the burners. One valve regulates independently the flow of oil and another the flow of steam and a third valve regulates the combined injection of oil and steam in constant proportion.

The delivery pipe, in each of the two furnaces, enters the furnace about eight inches above the fire grate and terminates in a burner a few inches in front of the door. The burner from which the oil and steam are ejected is a disc about an inch-and-a-half in diameter. In the front of its rim is a series of small holes from which the oil leaps under pressure. Directly under this series of holes is a continuous slit, extending through about one-third the circumference of the burner, through which a powerful jet of steam is constantly forced. This jet of steam sprays the exuding oil in fan-shaped form into the furnace area and assists combustion. In some burners and furnaces compressed air is used instead of steam.

The result, as seen through a mica window in the furnace door, is a very intense and nearly white blast of slightly roaring flame which mainly shoots ahead and slightly downward a few feet in the fire box, but which also rolls up more or less without noticeable moke. As thus observed, the mass of intense furnace flame, shooting ahead in a powerful stream and rolling up in a fierce vortex of light and heat within the furnace, is more striking to the eye than the fire in a corresponding coal furnace.

The two boilers, of 240 horse power each, are Babcock & Wilcox tubular boilers and the furnace conditions are thus in this case different from those usual in stationary power plants. A tubular boiler, as not all readers may understand, is one in which the water is heated in a nest of tubes over the fire, the heat surrounding the tubes and the steam collecting in a dome above. In the more common type the heat goes through flues which the water surrounds. The series of straight tubes starts backward and downward and two walls through which the tubes pass cause the heat to pass up and down in its course, reaching the tubes three times.

Long experience has worked out the best methods of using fuel oil under ordinary boilers but the best practice with tubular boilers is not so well established. Under one of these boilers Chief Engineer McLean has introduced a novelty of his own conception in the shape of five heavy cast iron columns fifteen inches high set in front of the flame jet about four feet from the burner. The effect is to break up the flame and, protecting the boiler tubes from its direct impact and increasing its efficiency. These columns remain at nearly a white heat, so intense in the flame and in three weeks the columns were reduced from six by six inches in size to five by five inches through the steady scaling off of the iron.

The supply of oil and air to the furnaces requires frequent regulation according to the steam pressure as the load on the engines varies with the operation of the road, but otherwise there is nothing for the engineer to do but keep comfortable and clean and look on. The boiler room is as clean as the main office and the ash boxes are swept and are useless except for the air supply. The soot and grime resulting from coal are gone, no ashes are wheeled out daily and the neatly painted pumps and pipes and polished valves of the oil supply plant are striking evidence of the satisfaction attending the use of fuel oil.

The entire oil-burning plant, tank included, cost $1,200. The daily saving is $18, burning about thirty-seven barrels per day, and the cost will thus be paid in as little over two months. The economy is estimated at between fifteen and twenty per cent and it is expected to increase this with experience.

The indicated horse power of the engines is 450. The cables driven aggregate thirteen miles on the two lines, the California and the Hyde street, and the maximum number of cars used is forty. The lines climb several steep hills.

The officials of the company are naturally all delighted with the experiment.

FIXING A TEST.

Legislating Against California Illuminating Oil.

A dispatch from Sacramento last Saturday stated that an opposition is apparently developing against the bills introduced in the Senate and Assembly prohibiting the sale of illuminating oil, the product of petroleum, unless it passes a specified test, and appointing inspectors to see that the law is not violated. The bills introduced by Currier in the Senate and Melick in the Assembly provide that oil shall stand a flash test of 120 degrees before igniting, while the one introduced in the Assembly by Broughton of Los Angeles fixes the test at 130 degrees. It is claimed that oil produced by the California wells cannot be refined to stand even 120 degrees, far less the test provided for in Broughton's measure, and that if not amended these bills will be fought by those interested in local oil wells.

Melick stated that Currier's bill was in the better shape and he would support it when it reached the Assembly. "The idea," he said, "was to protect the State against a dangerously low-test oil which is sold all over the State and is responsible for an average of one fire a day the year round." He was surprised to learn that California oil producers objected to the measure, but admitted that California oil had never been refined to the required test.

Oil Men Attention.

J. E. Breitwiser will be at Risdon Iron Works, San Francisco, on Saturday and Monday next with photographs of the McKittrick gushers which were cleaned out and made to flow with his machinery. He will be glad to answer all inquiries there as to these wells, and others which he has drilled or from which he has removed lost tools, etc.

The Oil Supply.

Fuel oil for future delivery is not being so generously offered, although new wells are being started almost daily. Consumers in a number of cases are hesitating about changing their boilers, etc., until they find it is being more generally used by their neighbors, and an assured supply guaranteed

South of Kern River.

A writer in the Californian says: There has always been much faith in the territory south of the river expressed, but it has until now failed to take the form of money investment. This fact is perhaps due to the opportunities offered in other localities where success was absolutely assured, people have taken more readily to operations where no risk, comparatively, was involved. Now that royalties have risen in the demonstrated field to the fifty per cent. point, the temptation to go elsewhere and assume risks with the chance of larger reward, has grown greater. Section 17, 29-28, will soon have a rig working on it, the south half of the northeast quarter having been leased by Blodgett & Harding to Ludwig & Hicky, who have operated for thirty years in the Pennsylvania and Ohio fields. They will be prepared to go to a depth of 1,500 feet if necessary to get the oil, but Mr. Hickey, who is now on the ground, thinks that 1050 will let the drill into the pay stratum. Arrangements have been made for machinery.

The Kern King, a mile and a half to the east is about to begin, its rig having been installed, and on the southwest quarter of the same section, 17, 29-28, the King Solomon is preparing to lease a forty-acre tract. The Caspian is said to be about to resume where it abandoned work last spring, the southeast corner of 15, 29-28. If it does again operate, a new hole will be started as the only reason for quitting before was the fact that the casing could not be forced farther down. The depth attained by the Caspian has never been authoritively stated, but it is believed to have been in the neighborhood of 850 feet. No showing whatever was encountered.

Rights of Beach Oil Miners.

Judge Day of Santa Barbara has rendered a decision in the case of a Summerland oil company, which had received a license from the Secretary of War and begun the building of a wharf in front of property belonging to the San Francisco Savings Union for the purpose of sinking oil wells on the beach beyond high water mark. Suit was brought against the oil company and Judge Day's decision is to the effect that the owner of the property on the adjacent shore has the free right to go in and out as he pleases, and that no person or corporation could take away that right by erecting obstructions beyond the tide-water mark, and accordingly further work on the property is stopped by injunction.

The judge's opinion states that substantially the government has rights along the ocean only of controlling matters of commerce and navigation, and the state has only such rights as are granted by the people. The riparian owner has the undoubted right of egress and ingress, and cannot forfeit these save by his will or through the state for public purposes. In other words, Judge Day makes such rights really a property which no individual can take from the riparian owner.

Further, the matter of the extent of any obstruction is held to be of no consequence. The defense claimed that the plaintiff could go and come from navigable waters by a path lying beside or around the platform in question. This, Judge Day held to be insufficient, and the injunction will be granted.

Defendants declare their intention of appealing to the supreme court of the state, and as they hold a license under the war department will test the federal question involved should they fail in the state. Judge Day's idea seems to be that the United States permit is only an admission upon the part of the government that the platform, or any other platforms along the 1500 feet located by the defendant, or, in fact, any of the oil wharves of Summerland, would not interfere with commerce or navigation.

Scripper's Point of View.

The indictment of J. A. Hannah by the Federal Grand Jury has caused a sensation in Visalia, where he is a well-known attorney. According to the Times of that city, Mr. Hannah has been a resident of Visalia for about fifteen years, and there is no man in the community that stands higher in the estimation of the people. He is a scrupulously honest and high-minded gentleman and has never been engaged in any transaction that would not stand the strongest searchlight, and there is no doubt felt here but what he will come out of the trial precipitated by the grand jury with his good name completely vindicated.

After explaining the transaction on which the indictment is based, Mr. Hannah says in an interview: "The newspapers designate me as a 'scripper.' I have bought and sold considerable land in the forest reservations, but I have never scripped any oil lands, or any lands supposed to be oil lands or within any oil district or supposed oil district in the state of California."

Oil Stock with a Value...

Limited Offering at 75 Cts. per Share

If contemplating a purchase of oil stock, we respectfully submit a few reasons why we expect to interest you in

The Sovereign Oil Company

We own 160 acres and have a lease of 20—180 acres in all, all located in the famous Kern River Oil District. Ownership means an absence of costly litigation to protect title. We own all machinery upon our land, including two Standard drilling rigs.

Progressive management, demonstrated by following facts: Incorporated on October 15th, 1900, and on December 6th (5, days thereafter) had **two wells in oil.** Location of property insures large profit from all oil shipped, because near railroad No costly "hauling" to prevent **any profit** on shipment. Title to property U. S. patent, meaning an asset behind stock.

Our reliability and progressiveness not an experiment. Proven by record of Sterling Oil and Development Company. Th Sovereign is under same management. Prospectus and maps are free for the asking.

10,000 shares at 75 cents per share. Orders filled in rotation of receipt, and the right to revoke this offer, without notice eserved by company.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

PACIFIC OIL REPORTER

Published Weekly
The Oil authority of the Pacific Coast
Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, JANUARY 25, 1901.

A Menace to the Oil Industry.

Senate bill number 18, introduced by Senator Currier will, if carried, prove a grave menace to the oil industry of California.

It is a curious fact that California, of all other states, is cursed by legislators whose apparent aim is to cripple instead of strengthening every new industry that may spring up, and which if not meddled with bids fair to aid in the state's development.

"Cinch" bills seem to be a characteristic of the California legislature. Senate bill No. 18 seems to be in this category.

The bill is entitled, "An Act to Provide for the Inspection of Illuminating Oils, Manufactured from Petroleum or Coal Oils."

It is characterized by two things, viz:

First: It provides places for a state inspector of oils, and his deputies, the state inspector to have a salary of $1500 and the salaries of his deputies to be graded according to the amount of work performed.

Second: It stipulates that no illuminating oil can be manufactured or sold in this state which cannot stand a fire test of 130 degrees.

So far as creating places for political bummers is concerned, we suppose the oil industry will have to submit, as all the other industries have had to submit, and will allow its increasing importance to be the excuse of having saddled on to it a few political hangers on, who know nothing about oil, or its tests, or requirements, or characteristics, but who do know something about primary elections, and how to work the voters of of a ward or district. The oil industry is big enough to afford places perhaps to a dozen political office seekers. That cannot be helped.

When it comes to making all illuminating oil stand a fire test of 130 degrees we object most vigorously.

Pennsylvania has used kerosene longer than any other state, and the law there requires kerosene to stand a test of 110 degrees.

Refining California oil for illuminating purposes has just commenced. At present about 250,000 barrels a year of crude petroleum are refined, and from this about 50,000 barrels of the refined product a year is obtained, which stands a fire test of 115 degrees.

The process of refining California petroleum is by no means perfected, but as experiments are being made the refined product is being bettered every month.

If, however, bill No. 18 is passed, and it becomes necessary to manufacture oil to stand a test of 130 degrees the industry of refining California oil will be killed, and the state will lose millions of dollars annually.

At present oil suitable for refining is found in Ventura, Los Angeles and Orange counties, but as oil discoveries are being made this list of counties will largely increase. In a short time tank steamers ought to be taking thousands of barrels of California refined oil each month to the Orient, and to northern and southern parts.

It is to be hoped our State Legislature will realize what a hardship this bill will work upon the oil industry, especially upon that branch of it which pertains to the refining of our oil, and will so amend the bill as to make it possible to refine an oil which will be able to stand a required test, which test is no higher than that required in other states where the refining of oil is and has been a prominent and successful industry.

Extent of Kern River

It is a significant feature of the Kern River field that there have been no dry holes sunk at points between sections of proved territory, except in the case of wells spoiled by bad drilling or accidents. The ground containing producing wells may be said to be at the present time to extend about five miles in greatest length and three miles in breadth. The most northerly property having oil is the Edgar on the northwest quarter of 18, 28-28, which has a good amount of oil sand at a depth of over 1300 feet, the deepest well in the field. Taking a line southeast from this well for a mile we find four wells which differ in depth from the surface, but which after the allowance for difference in elevation is made all strike the sand at the same depth. On the south half of section 32 and the adjoining sections work has been pushed most vigorously, and on section 3, the section of original development, experience has developed the fact that the first wells sunk did not reach the lowest sand, and recent drilling has brought in much better producers. The river seems to be the limit of producing wells, although the San Joaquin has a few light producers in a small tract near the south bank, and Snook Brothers report oil in their well on 10, but they have gone to work on the north side. Although there have been several failures here, it may be said of the south side that it has never been satisfactorily exploited, and six or seven hundred feet is the greatest depth attained in prospecting.

One of the furthest west is the Southern Pacific on 25, 28-27, which recently struck oil, showing that the line of development has a reasonable certainty of going still further west. The furthest east are the Reed Crude on 34 and the Petroleum Development on 2, both of which are close to the original discovery, so that we may say the field has not extended far in this direction.

North and South

Persistent reports keep coming from the State of Washington to the effect that oil indications in that territory are abundant, and that the organization of companies now going on is to be followed up by active development work. The vicinity of Gray's Harbor in southwestern Washington is named as the latest field in which such discoveries have been made.

In addition to this considerable prospecting for oil has been done in Arizona and the latest reports from this locality state that discovery of oil has been actually made. Usually such statements come in considerably in advance of the truth, but in view of the proposed development of Mexican oil lands by a company of practical oil men it does not seem unreasonable that such territory should extend across the border.

The Great Texas Gusher

The possibilities of the American oil fields are just beginning to assert themselves in the way of production, not in the old and well developed fields of Pennsylvania, but in an entirely new section in the Mississippi delta, only twenty miles from the Gulf and one hundred from Galveston. It is about 250 miles from Corsicana, the only developed field in the state, and the formations have been traced in a continuous connection between the old and the new fields.

The formation of the Corsicana field belongs to the Upper Cretaceous, older than the California field, but much more recent than the Pennsylvania strata. The nearest we have to it in California is the Lower Cretaceous formations of Colusa county, which contains a much lighter oil. The product of the new field is a fuel oil of low gravity, similar to the product of the San Joaquin Valley, but the difference in geographical position places it out of the question as a factor in competition with our oil, which has an entirely local market.

South of Kern River.

Continued from page 3.

ing for three miles along the river with a five-mile strip running north and south. He expresses perfect faith in the eastern range and seems willing to acquire more land in the neighborhood. His clients seem to have made a run on the railroad leases and except perhaps to the far south they are unobtainable.

A company is being organized to work on 19, 29-29, and work has already begun on 16, 29-29 with a heavy Standard rig from the Kreyenhagen field.

In range 28, three rigs are working on 10, one on 2, one on 15, and work is about to begin on 17 and norshwest quarter 15. The tract recently bought through Mark J. Samuels for $40,000 comprises 80 acres, of which over half lies on 2, south of the river. A Los Angeles party has secured a lease of forty acres in 11, and work begins within thirty days. It is believed to be the northwest quarter of the northwest quarter.

All of which looks like business and suggests that the $5,000 an acre land may lie on both sides of the fordable river, and that the southern land nearer to Bakersfield may yet yield their millions.

An Ample Supply.

Mr. J. W. Harrison, the coal broker, in his weekly summing up of the fuel situation has this to say about oil. "Fuel oil has become a pronounced factor as a steam producer throughout the State, and its effect will be felt more acutely later on in the year; this is obvious to every one in the trade. It is becoming an assurance that for five years at least, the wells opened and being sunk, will give consumers an amply supply."

SUNSET LIMITED

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MORE BRILLIANT THAN EVER
NEW EQUIPMENT
IMPROVED SERVICE

Secure time tables and any desired information from any agent of the Southern Pacific Co.

The Petroleum Review.

LONDON, E.C. DEC. 31, 1900.

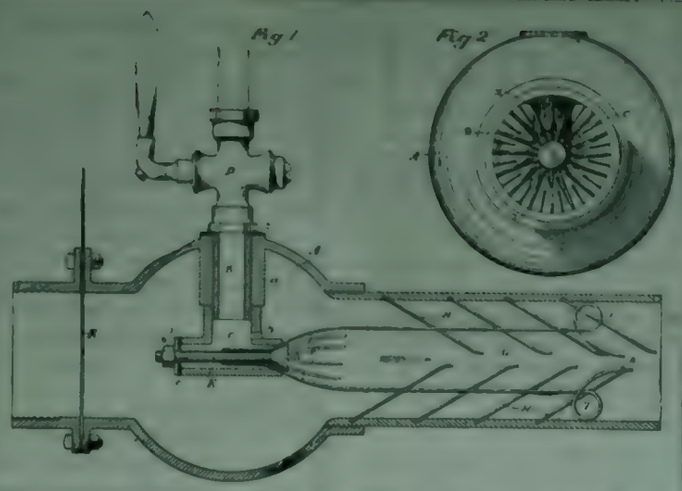
DEAR SIR: Your favor of December 14th I have received with many thanks, and I may assure you that it has been very gratifying to me to see that my efforts and labors in the cause of the petroleum industry have been so highly appreciated by yourself and your association. For myself, as a technical man, I may assure you that the task which I have undertaken in trying to induce the world at large to take a deeper interest in the petroleum industry, is a very hard one indeed. But I felt it to be my duty to the industry, to which I devoted 21 years of my life, to set aside my personal interest and convenience and to try to induce investors to put in money for developing the petroleum industry all over the world. At the same time my chief aim is also to give timely warning against any wild-cat schemes, which would bring the industry as a whole in disrepute, and to recommend and support only absolutely sound enterprises.

From the reports and information, which I receive almost daily from various petroleum centers, and especially from the valuable information supplied by the PACIFIC OIL REPORTER and other publications, which are so well conducted, I see, that there is a great future in store for the Californian oil fields, and I am glad to see, that it has been taken up so energetically by your citizens, and that you do not spare any efforts to bring it prominently before the public at large.

Please convey my heartiest thanks to the California Petroleum Miners' Association for their good wishes and also please accept my deepest gratitude for the manner, in which you conveyed these wishes, and I may assure you that nothing will be more pleasant to me than to be able to work for a long time to come for the welfare of the petroleum industry all over the world

I remain, dear sir,
Yours most gratefully,
P. DVORKOVITZ.

L. P. Crane, Esq., California Petroleum Miners' Association, room 33, 2nd floor, Mills building, San Francisco U. S. A



New patent Oil Burner to be used with Hot air Blast for Forge or Furnace Work.

The above is an illustration of a fuel oil burner patented Dec. 18 by Geo. H. Larkin of this city. It differs from the Larkin retort burner used for steam purposes, as it is intended to be used with compressed air draft to secure a high temperature in limited space as applied to heating iron for forging, melting iron or brass, Bloom furnaces, etc. Fig. 1 is a longitudinal vertical section, in which A represents the casing, B the feed, C a chamber containing a bolt E, which holds the wires F in place. Lining the sides of the discharge-pipe G are other wires H H, which are intended to assist in breaking up the particles of oil as they are forced in by the air blast. Oil is fed through D, B and 9 into the central part of the burner in a line with the air blast which enters and is regulated by the gate K. The wires placed in the center and along the walls of the burner assists both in distributing the force of the blast and in breaking up the drops of oil and leading them to the center of the burner. It is claimed for this burner that it requires only a light air pressure from 6 to 12 ounces being required; that the most thorough mixture of air and steam possible is obtained; and that the arrangement permits the use of air heated by the waste gases in the smoke-stack, or of steam if desired.

Ground Floor.

Oil in tank, oil in barrel,
Pumped from sand
Throu' slate and gravel.
Ages past to time immortal
Swells the ever rising total,
Finny fishes plunged in darkness
Yield the phosphorescent brightness
From their tiny bones.
Giant fauna swift o'er taken
Simply greater tribute owns.
Flowers and verdure,
Crushed by nature
In an angry mood,
Sink to depths,
Where time and silence gently brood
All unwitnessed reincarnate
In the turgid tide.
Science quibbles o'er the cropping,
On the mountain side
Sets the guage against the "blanket"
For the anticline.
Vice versa all the reasoning
Ends in broken line.
Still the volume keeps increasing,
Lighting, heating, easy greasing.
Prudence waits without the door,
Fears to tread the oil ground floor,
When the scion of the "shoe string"
Found his multi-million wing.

LOUISE ELWOOD.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwrttien the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

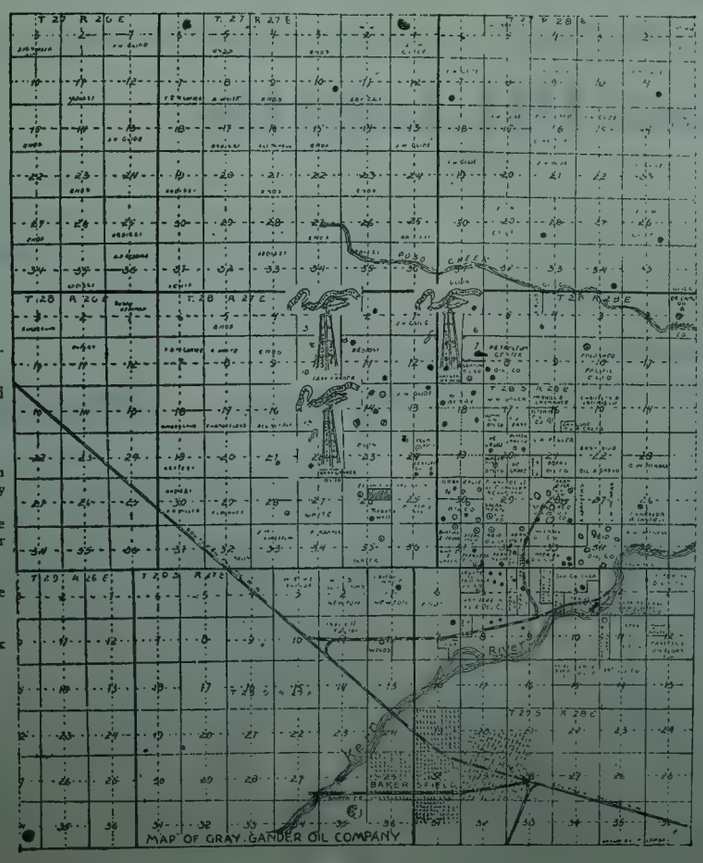
2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any ime.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.



Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L.DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street ooms 44 and 45, for special induce nts for short time.

THE PANOCHITO.

The Favorable Report of the Auditing Committee.

The following is the report of the committee appointed by the stockholders of the Panochito Oil company, at their annual meeting, December 6th, 1900, to examine the books and accounts of the company, and also to report on the condition of the company's affairs generally, including title to its lands.

To the stockholders of the Panochito Oil company:

Your committee respectfully reports as follows:

At the suggestion of your board of directors, we visited the property of the company in Fresno county and in order not to be obliged to rely entirely upon our own judgment in the examination of the lands, we induced Mr. W. C. Chapin of Sacramento to accompany us. Mr. Chapin is a stockholder and is a man of large experience in the oil fields of Penn., W. Va. and California, having sunk over 200 wells himself, in the course of many years' experience in the business. After careful examination of our lands, he expressed it as his judgment that they are in the oil belt and that we should strike oil within a reasonable depth. He says that our lands were evidently selected with great care and excellent judgment and to judge by surface indications are as good as any he has seen anywhere.

In the opinion of your committee, which opinion is confirmed by Mr. Chapin, the company's plant for development purposes is first class in every particular and is strictly up to date, and considering the difficulties encountered the progress in development is quite satisfactory.

We have carefully investigated Mr. Lloyd's methods of conducting the company's business. We find that he had almost insurmountable difficulties to overcome and has overcome them; that he has been energetic and economical in the transaction of all the company's business. He has the confidence of your committee for future operations. Mr. Lloyd has added 480 acres to the company's property and is commended for the able manner in which he has conducted its affairs.

The company's title to its 2400 acres of land is by location under the "Mineral Lands Act," and we are satisfied that the locations have been properly made and that the company is safe in that regard.

We found it impracticable to attempt to examine the books of the secretary and treasurer ourselves and so employed Mr. Webb N. Pierce, a well known expert accountant to do the work, from whose report and from our own inspection we are able to report that the books have been kept in proper manner and that all moneys received have been properly accounted for.

Respectfully submitted,
WM. WOOD,
H. L. STEVENSON,
W. F. KROLL,
Committee.

Dated Oakland, Jan. 15, 1901.

Trouble at Summerland.

The track of the Southern Pacific company makes several abrupt curves in passing through the town of Summerland, and now that this is to be part of an overland route the company desire to straighten it out as much as possible. When the town of Summerland was laid out several blocks were set aside as parks and donated to the city for this purpose, but subsequently it was found profitable to the city to lease this ground for oil purposes, and in the East End park there are eight producing wells within the proposed new right of way, besides a number of non-producers in other localities. The railroad company claim that Miller and the other oil operators here are trespassers on public property and have brought condemnation proceedings. Other private property has been purchased.

Arizona Companies.

The Secretary of State for California is looking up the record of companies incorporated under the laws of Arizona. The law requires that all such companies should file their incorporation papers with the Secretary of State for California and also with the Recorder of the county where the company is located.

The Fresno-Alpha Oil company hae resumed drilling on its property in the Fresno-San Benito district, after two weeks delay in repairing bridges and roads which were washed out during the late storms in December. Its first well is down now nearly 400 feet, having in that distance passed through two oil strata and one of gas.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days

Write to **J H. EDSON, Secretary and Manager Central Bank Building, Oakland Cal**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from in dubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francis co,Cal.

The Lincoln has sold out it first block of 18,000 shares of stock at 25 cents, and is now selling a second block of 15,000 shares at 50 cents. This is going off rapidly, and when disposed of the company will offer no more stock at less than $1.00

The company will complete its first well very shortly, and when this is done the stock will advance very rapidly.

STOCK UNDERWRITTEN

OFFICE

Pacific Coast Underwriting Company
504 PARROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the oney invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA

Gas at the Sand Creek well shot the salt water forty feet in the air recently.

Oil locations are being taken up in the territory between Capay valley.

The Great Northern is down between 400 and 500 feet with light oil seepages.

An Oakland capitalist has purchased 8,300 acres near Lurio from the San Francisco Savings Union, which it is understood is for oil purposes.

CONTRA COSTA.

Dr. Deardorff, president of the Grand Pacific Oil company, is well satisfied with the prospect. The drillers are now making twenty feet a day, and several seepages have been encountered. Oil sand and sandstone is brought up which is strongly impregnated with oil.

The Contra Costa Oil company is still wrestling with its fishing job, though last reports are very favorable. The well is now good for twenty-five barrels.

The Mt. Diablo company is down nearly 400 feet.

FRESNO.

The Caribou well, after a three days' test, was found to yield an average of fifty barrels a day of a fine 23 gravity oil. The company is well satisfied.

The newly elected officers and directors of the Home Oil company are: President, R. V. Ellis; vice-president, W. F. Chandler; R. A. Clark, F. J. Carman, A. D. King; secretary, R. T. Staley; treasurer, Mercantile Trust company of San Francisco. W. A. Gray is field superintendent.

KERN

Sunset Czar No. 2 is in blue clay at 270 feet.

The first sand has been struck by the Sunset Standard.

Fifty dollars an acre was paid by the Mastodon for the northwest forty in section 7, 28-27.

Grading on the McKittrick extension is about finished.

Spudding has been begun on 5, 29-28, by the Del Rey.

There is some likelihood that work will be resumed at Temblor by the Oil Center people.

A good showing of oil is made by the Little Standard on 11, 30-22, at McKittrick.

Monarch No. 1 sent a stream of oil over 80 feet in the air a few days ago. The well flows at stated periods twice a day.

In the north end of Sunset District the wells are not over 500 feet deep and the oil is light in gravity.

The Sunset water system is to be connected with Golden Gate No. 1, which produces water for steam purposes. The McKittrick well No. 4 pumped 350 barrels the first twenty-four hours.

The New Era Oil company, of which Hon. Wm. H. Mills is President, and which is operating on 7, 29-27, on the 40-acre tract opposite the Standard Oil company's tanks, has sold nearly all of the 50,000 shares of treasury stock it first placed on the market, there being but a few more shares left. The Seven Oil company adjoining them are down over 500 feet, and the Pacific Coast Oil and Development company will begin drilling south of them next week. The outlook is excellent.

Two carloads of casing are due for the Golden Rod which is waiting for it.

Oil has been struck by the Linda Vista on 29, 28-28, at 443 feet.

The new S. P. Depot at McKittrick is almost completed.

One run of a Standard Oil company's 35,000-barrel tank has been laid at McKittrick.

The NW ¼ of the SW ¼ of 11, 29-28, south of Kern River, has been sold by J. J. Mack to a San Francisco corporation.

The Kern King is ready to operate on both sides of Bakersfield, having one rig on 11, 30-21, and another on 15, 29-28.

The Grant Oil company at McKittrick have a fine producer in their No. 4. At times the well flows through 9⅝ casing to a height of ten feet.

The Globe Oil company is finishing up its No. 4 well, which will make a good producer, and has commenced spudding in on No. 5.

The Bay City Oil company on 22, 32-23, in Midway district, expect to complete their well next week. They are down over 540 feet, and have oil in the well.

The first patent in the Kern River District has been obtained by the Thirty-four Fuel and Oil company for property in 28-28.

The C. B. & W. well on 3, 11-24, Sunset field, flowed 300 barrels last week in spite of trouble with sand and water.

A San Diego corporation called the Medina has leased the NE ¼ of the NW ¼ of section 3, 11-24, on a 25 per cent royalty and $1,000 bonus.

The Reed Crude has 345,000 shares of stock to be distributed to stockholders for fifty cents a share on a pro rata basis. Notice must be given before Feb. 15th.

The Kern Producers' Association has in the past two weeks contracted for 800 carloads in addition to its members' regular contracts. The price is 70 cents, an advance on former prevailing prices.

The Queen Esther Oil company, who lease from the Bear Flag, are actively drilling now and expect to make a strike soon, as the territory is absolutely proven. The work in this section has been carried on without any trouble so far, showing that it is easy ground to drill in.

A new company in the McKittrick district is the Golden Reward Oil & Development company. Their property includes two hundred and sixty acres in township 31 south, range 22 east, section 10 and 14, M. D. B. and M., where active operations will shortly be under way.

Section 31, 28-28, Kern River field is becoming known as one of the best sections in the field. The recent strikes of the Peerless, Senator, Sterling and Bear Flag prove that this section is one of the large producers, as the strikes have been up to 400 barrels a day. The last strike that of the Bear Flag promises to be one of the best. This company struck the oil-sand in twenty days, having had no trouble during the work. A large amount of gas was struck about a week ago which threw the oil above the derrick.

The Prince Edward Oil company has bought ten acres from the Grace company on 8, 29-28 and will begin drilling at once. The parties comprising the company are San Diego people.

The Gray Gander Oil company have their drill and casing down 800 feet, and

Two Kinds Of Investors

There are two classes of investors. The first are those who are willing to take great chances and a risk of losing all in order to make large gains. The second are those who are **satisfied with smaller profits earned regularly, while the investment is secure and absolutely protected from loss.**

Investments placed with this company are always subject to withdrawal and may be turned into gold coin, dollar **for dollar, when money is required.**

The profits earned on investments are paid to investors each month, as earned, in cash, less a small per cent of the profit which we retain for our services. We offer investors a safe, sure and profitable method of investment and assure them guaranteed security. We receive amounts from $25 and upwards. Write to us at once for full particulars, references, etc.

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2400 acres best selected oil lands.
Complete Standard Rig Strictly up-to-date.
Well 500 feet, showing oil of finest quality found anywhere in the oil belt. We are offering a very attractive proposition to bona-fide investors.

For particulars address

F. M. HUSTED, Secretary.

MacDonough Building, = Oakland, Cal.

YOU CAN BUY

A Galvanized Tank

That has an angle Iron Hoop around the top and the bottom and has all the seams running up the sides to stregthen it as shown in the cut if you want to do so. Notice how the rivets pass through the bottom and side sheets and angle iron hoop and how the bend in side sheet is on inside of tank where the crack is covered in soldering. Your tinner can get the right to make them or we will make you one

J. E. BREITWISER, Inventor. - - - McKittrick, Cal.

are going right ahead; the drill has passed through two stratas of oil sand. They expect to strike oil in about a month. The Hawkeye company has struck oil, their claim being near the Gray Gander.

The water shortage at Sunset is at an end and work is resuming.

On 24, 28-27, the Petroleum Center is down 760 feet with 11⅝ casing.

The Superior Extension is about ready to drill on 28, 32-24.

Bakersfield people are preparing to locate oil property in Inyo.

The Giant company No. 4 at McKittrick is again flowing. The stream coming out of a nine-inch casing and rising to a height of eight feet.

The West Shore having deepened well No. 4, is getting 400 barrels a day from it in place of 100.

The well of the Chicago Crude on the NW ¼, 50, 28-28, is expected to be unusually good.

The Black Goose would make a seventy-five barrel well now but is still going down with 9⅝ casing.

Although but a few feet in the sand a flowing well has been obtained in the Acme, 34, 12-24, near the J. B. B. and C. B. W., both good producers.

The forty-acre piece adjoining the Del Rey on the south in section 5, 26-28, held by Waterman Brothers, has been sold to the Cortez company, which will begin immediate developments. This land was originally owned by the San Joaquin.

The Three States Oil company which holds some very valuable oil properties is now negotiating for some valuable oil lands in Midway district close to the strike of the Bay City Oil company.

The Three States Oil company has gotten out a new prospectus which is exceptionally neat and attractive in appearance and has much valuable oil information in it, all of which is most conservative and reliable.

The Diamond Oil company has elected J. F. Carrere, secretary of the company in place of Judge Allen, who was obliged to resign on account of press of other business. The company has been forced to delay drilling on its well in McKittrick temporarily on account of non-arrival of casing, but will now push on below 1000 feet as fast as possible.

The Bachelor's Oil company have a report from their head driller that the drill has passed through two stratas of blue clay, a thin stratum of cement, black oil shale, fifteen feet of sandstone, several feet of red sand and is now in brown oil bearing shale—in all a very promising outlook for striking the oil sands very shortly. The oil from the shale is of a brownish hue and is of about 20° gravity.

LOS ANGELES.

The Paris Oil company is drilling on No. 8 in the Weid tract, city field.

On the Weid tract in Los Angeles the B. B. Oil company has now eight producing wells.

The Illinois company, on section 35, has recovered a string of tools from the hole and is drilling at a depth of 900 feet.

The Whittier Oil & Development company is down nearly 600 feet. The caving formation still makes progress on this well slow.

The Whittier Grande company, operating at Whittier, which had a string of tools in the hole last week, is again drilling at a depth of 800 feet. The hole has been put down rapidly and little trouble has been experienced.

The Raymond Oil company, on section 25, has at last straightened its troubles and is drilling at a depth of 800 feet. The hole was started with a fourteen-inch bit and stovepipe casing was used for a considerable depth.

The New England company, on section 30, Whittier field, is at work on a water shaft, which it is putting down for the purpose of furnishing water to the other companies in the vicinity.

SAN LUIS OBISPO.

A company headed by C. Fox has secured a rig to drill on the Agua Caliente ranch in the Cuyama valley, San Luis Obispo county. When one well has been finished, the rig is to be used in drilling a hole on property owned by other parties near the Santa Barbara Canyon ranch.

MENDOCINO.

The Ukiah Oil Development company has excellent prospects for striking a paying flow. The well is now down 540 feet, and on pumping out recently, over a barrel of fine oil was raised.

NAPA

The Anglo-American Oil and Exploration Co. have secured valuable oil land from the Zem Zem Oil Co. in Berryessa Valley, Napa county, and have incorporated for $500,000, 500,000 shares at $1 each. The land was selected by a well-known expert, who has had large experience in Pennsylvania, West Virginia and Ohio, who pronounces it to be absolutely perfect. The oil taken from the springs on this land is of a paraffine base and is identical with that taken from the Finnell spouting springs, which has been analyzed and valued at $9.85 per barrel as cylinder lubricating oil, the lighter oils from the same more than paying for refining.

This district seems to be attracting the attention of old and experienced oil miners, who are willing to enter into the construction of pipe lines and refineries. The Anglo-American company will commence immediately to construct a derrick and camp houses and will put a standard rig upon the ground and commence work as soon as the machinery can be put in place. It is a close corporation with ample means in the treasury to commence operations. The work will be progressed quietly and it is thought by experts that oil will be reached at a depth of from three to four hundred feet in paying quantities. Oil from this district can be easily piped to tide water and with plenty of wood and water on the ground the outlook seems to be without a single objectionable feature. The office of the company is Room 70, 916 Market street, Columbian Building, S. F.

ORANGE.

The Fullerton Consolidated Oil company has two strings of tools at work on the company's lease on Nos. 6 and 7.

The Santa Fe company has the third rig up near the line, and will drill in the hopes of getting a big well.

Several new companies are getting ready to begin work in the Fullerton field.

The Rincon Crude Oil company, in the southeastern extension vicinity, has has started the drill in its first well.

The Brea Canyon Oil company, drilling in No. 7, is making slow progress on account of a hard formation encountered.

The Carbon Canyon Oil company struck another stratum of oil in the southeastern part of the Fullerton field a day or two ago, which makes four distinct strata the drill has passed through.

It is not believed that work will be resumed on either the Edison or the Crown of the Valley Oil companies, where work was suspended some time ago. The showing for oil was very slim and it is thought they were both too far north. The Crown of the Valley was nearly 1200 feet when it stopped work.

Graham & Loftus' well No. 11 is now down 360 feet with a slight showing of oil already. Well No. 10 is 875 feet deep and oil has been struck in the hole since a depth of 500 feet was reached. Well No. 7 on this lease is down 1110 feet and it has made a good showing of oil sand and shale since a depth of 400 feet was reached.

The Olinda Crude Oil company's No. 2, on the Olinda ranch, is down 740 fe and recently a small showing of oil was encountered.

The Globe Oil company, which took the work of the Montezuma Oil company up when the latter left it in its second well, is making good time and has struck some oil. This well is on the extreme southeastern limits of the extension.

Nos. and 10 of the Columbia are both

Casmalia Ranch, Oil and Development Co.

Incorporated under the laws of California

Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

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S. C. MASON, Agent, 101 Chronicle building

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Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capit i-zation. Economical management

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,

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about 1000 feet deep and will be brought in about the same time. Preparations are being made in building a rig for No. 11 to which a string of tools will be transferred as soon as No. 9 is finished, and the other string will be taken back to No. 1, on the Hudson tract, where work was suspended some time ago.

W. C. Eyman and Richard Schellens are interested in a company which will drill soon on the Hole ranch, in the La Habra hills, near Fullerton.

SANTA CLARA.

Local business men have formed the Gilroy Oil company for the purpose of boring for oil on the Trimbly ranch, seven miles west of there.

A well drilled at Alum Rock near San Jose has been capped and enough gas secured to light a swimming tank near by. The well is 526 feet deep, of which 400 feet is broken shale. Oil possibilities are spoken of.

SAN BERNARDINO.

Three Los Angeles oil companies have filed endorsed articles of incorporation in the county clerk's office at San Bernardino, indicating that they propose operating in that county.

The big oil storage tank of the Santa Fe Pacific at Needles has been filled. Oil will soon be used for fuel on the desert division of that road.

SAN BENITO.

The well of the San Benito company, near Hollister, is now down over 800 feet. The flow of gas is very abundant, and the indications for an early strike of oil are very good.

The derrick of the Hollister Crude Oil company is finished.

The Vehurst Oil company in Vallecitos has drilled over 100 feet.

The oil developments in this county are attracting much attention.

A rig is expected to arrive on the Topo shortly.

Some transfers of oil leases in the San Juan district have been made.

The Puritan Oil company will commence operations in about two weeks in the Chappell ranch.

The San Jose Petroleum company will begin drilling early in February in Panoche district.

A correspondent says: The Dirigo company has up a fine rig and has struck oil at 110 feet.

Mr. Enright of San Jose, has bonded the Coleman ranch in Panoche for Eastern capitalists for the purpose of oil developments.

The executive officer of the Fresno-San Benito operating in Vallecitos district is B. F. McKinley, a brother of President McKinley.

Will Carden, a former driller for the Union Oil company, passed through town Monday evening on his way to Vallecitos to drill for the La Primera Oil company.

It is said that the Nonpareil Oil company propose casing the shallow wells it has lately drilled in that neighborhood for the purpose of using the oil therein for fuel. Wood is very scarce in that section, and the company thinks the shallow wells will give enough oil for fuel to enable them to go ahead with the drilling in the deep well.

SANTA CRUZ.

The Santa Cruz Oil company has contracted for a well to be drilled near Santa Cruz.

SAN DIEGO.

The water has been shut off in the well of the Victoria Oil company near Encinitas and good progress in drilling has been made ever since. So far there is no material increase in the amount of oil taken out of the well some ten days ago.

The delay in deepening the Monarch company's well at Morena, caused by the sand and water rising in the well, has been overcome and drilling resumed. The well has reached a depth of about 1200 feet.

A lost drill in the well that H. H. Bancroft is putting down on his ranch near Helix has caused a suspension of work for several days.

Work on the La Jolla well is progressing satisfactorily and the drill has now reached a depth of about 700 feet.

VENTURA.

The drillers at the Bookhout well at Bardsdale are down over 400 feet and have several strata of oil sand.

The Southern Consolidated company has determined to tackle the hole at Rincon again. The company quit work when the hole got down to the [illegible] foot level, but the determination has been arrived at to go at least 300 feet more before calling the venture a loss.

The Pitt Oil Drilling company has begun drilling in Temescal canyon.

Boring For Petroleum in Bavaria.

Excerpt from Munchener Tageblatt, Dec. 31, 1900.—A syndicate headed by the Aktiengesellschaft fur Montanindustrie, has obtained a concession covering about 10,000 acres. According to information at hand the oil indications are surprisingly rich ones.

The Mt. Vernon Oil company has just disposed of 80 acres of its land, to the Nile Oil & Development company, the N½ of the SW¼ of section 22, township 26 south, range 20 east, M. D. M., which company will begin operations at once, having already purchased their Standard rig.

Kern Oil Lands.

$1 to $2.50 Per Acre

I have 2,500 acres of located land in Kern county, showing splendid indications of oil, for sale. Half cash and half stock in any first-class company. Want to sell part to raise money to develop the balance. Address "G. W." Pacific Oil Reporter.

A Guaranteed Investment

THE FAMOSA OIL AND INVESTMENT CO.

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The Famoso Oil and Investment company offers to investors an absolutely safe investment. Stockholders get back dollar for dollar in the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famoso is capitalized for $350,000 Par value, $1.00 and is underwritten by the Pacific Coast Underwriting Company and guaranteed by the Continental Building and Loan Association of San Francisco, with assets of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

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Jno. P. Albro - - - President
A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famoso Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

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London, England, Charles F. Pierce, Manager.

Portland, Ore.; Seattle, Wash.; Vancouver. B. C.; Boise, Idaho.

L. C. Dillman, Manager, Seattle, Wash.

134 Van Buren St., Chicago.

Bank references upon application.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, January 23:

BLACK JACK.

250 at	1 30	325 00

BEAR FLAG.

100 at	47	47 00
1200 at	45	520 00
100 at	46	46 00

CALIFORNIA STANDARD.

5600 at	38	2128 00
1700 at	39	663 00
2500(B60)at	39	975 00
500 at	37	185 00

CARIBOU.

250 at	54	135 00
500 at	53	265 00
1125 at	55	618 75

CENTURY.

50 at	55	2750 00
75 at	54	4025 00

CENTRAL P. & CON.

100 at	3 05	305 00
300 at	3 00	900 00
100 at	2 80	280 00

CONTINENTAL

100 at	1 12½	112 50
100 at	1 15	115 00
300 at	1 10	330 00

EL DORADO.

100 at	1 75	175 00
250 at	1 80	450 00

FOUR OIL CO

500(S60)at	55	275 00
3500 at	58	2030 00
3158 at	57	1800 06
50 at	59	29 50
300 at	56	118 00
100 at	55	55 00

HANFORD.

2 at	110 00	220 00
10(S30)at	110 00	1100 00
3 at	119 00	357 00
8½ at	106 00	901 00
3¼ at	105 00	342 50
10 at	118 00	1180 00
9 1-2 at	120 00	1140 00

HOME OIL.

350 at	3 75	1312 50
450 at	4 00	1800 00
430 at	4 15	1784 50
450 at	4 10	1845 00

INDEPENDENCE.

1000(B60)at	22	220 00
1500 at	20	300 00
5700 at	21	1197 00

JUNCTION.

500 at	75	375 00
700 at	79	553 00
1150 at	90	1035 00
50 at	92	46 00
100 at	99	99 00
200 at	88	176 00
1550 at	85	1230 50
2300 at	1 00	2300 00
550 at	95	522 50
500 at	93	465 00
300 at	89	267 00

KERN OIL CO.

350 at	11 25	3937 50
200 at	11 37 1-2	2275 00
50 at	11 50	575 00
75 at	11 75	881 25
20 at	11 87 1-2	237 50
50 at	12 00	600 00
175 at	12 12 1-2	2121 87 1-2
220 at	12 50	2750 00
325 at	11 00	3575 00
150 at	11 12 1-2	1668 75
370 at	11 62 1-2	4311 25
255 at	12 25	3123 75
50 at	12 37 1-2	618 75

KERN RIVER.

185 at	16 50	3052 50

LION.

500(B06)at	25	125 00
2800 at	26	728 00
2900 at	25	725 00
1150 at	24	276 00
2450 at	23	563 50
4050 at	21	850 50
1800 at	22	396 00
1000(B90) at	28	280 00
500 (B 30) at	26	130 00

McKITTRICK

1000 at	36	360 00

McKITTRICK CONSOLIDATED.

50 at	22	11 00
200 at	23	46 00
640 at	21	134 40
645 at	20	129 00

MONARCH OF ARIZONA.

1000(B60)at	77	770 00
200 at	76	152 00
400 at	77	308 00
3500 at	79	2764 00
3100 at	80	2480 00
1500 at	78	1170 00
300 at	71	213 00
1000 at	73	730 00
900 at	72	648 00
100 (S 30)at	75	75 00
2650 at	75	1927 50
500 at	70	370 00
2200 at	81	1782 00
433 at	76	285 78
1000 at	82	820 00

MONTE CRISTO.

220 at	2 25	495 50
1400 at	2 15	3410 00
750 at	2 20	1650 50
25 at	2 35	58 75

OCCIDENTAL OF W. VA.

400(B30)at	66	264 00
100 at	63	63 00
400 at	65	260 00
1000 at	64	640 00

OIL CITY PET.

5 at	35 00	175 00
18 at	34 00	612 00

PEERLESS.

50 at	8 75	438 50
150 at	8 86½	1331 25
50 at	9 37½	468 75
215 at	9 00	1935 00
190 at	9 50	1805 00

PETROLEUM CENTER.

1000 (B 60) at	25	250 00
16056 at	26	4173 00
4600 at	25	1150 00
7900 at	24	1936 00
14800 at	23	3404 00
19255 at	22	4236 10
500 (30) at	28	140 00
500 at	27	132 00

QUEEN ESTHER.

1000 at	70	700 00

REED CRUDE.

500(B 30) at	72	360 00
100 (90) at	69	69 00
1000 at	69	690 00
2100 at	70	1470 00
850 at	71	603 50
2350 at	68	188 00
2000 (S 30) at	67	1340 00
1000 at	69	690 00

SAN JOAQUIN

150 at	13 62½	2043 75
50 at	13 75	687 50
50 at	13 37½	668 75
50 at	13 00	650 00
100 at	13 50	1350 00
650 at	12 50	5625 00
50 at	12 25	612 50
100 at	12 00	1200 00
100 at	11 75	1175 00

SENATOR

50 at	2 30	115 00
25 at	2 20	55 00
550 at	2 50	1320 00

STERLING

200 at	3 30	660 00
45 at	3 25	146 25
1300 (B 30) at	3 50 e	4550 00
1000 at	3 50	3500 00
350 at	3 35	1172 50
2250 at	3 40	7650 00

SUNSET (ORIGINAL)

20 at	45	9 00

SHAMROCK.

100 at	80	80 00

THIRTY-THREE.

50 at	12 00	600 00

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114 at	2 30	262 20
200(S20)at	2 32½	465 00
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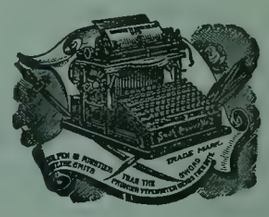

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THE OIL INDUSTRY.

What an Oakland Journal Says in Regard to It.

"Industry" is the name of an Oakland paper which as its name implies, devotes considerable attention to the industrial enterprises of California. In a recent issue it had the following in regard to California oil:

"In this issue of Industry we make a particular feature of the oil industry which is as yet in its infancy and bids fair to outrival the gold mining of the state. To begin with, the possibilities of this industry may be looked upon as conditions which in the very nature of things will force the exploiting of the industry. For many years the great bogie man which has been held up to the world against the possibilities of manufacturing in California, notwithstanding the fact that in this State climatic influences are such as to insure of 15 per cent. greater output than any other part of the land. This bogie man has been the high price of coal for power generating purposes. He is no longer a bogie man, he is now a man of straw, easily knocked down. Petroleum for fuel purposes has been found in sufficient quantities to assure the manufacturers that as soon as piping and shipping facilities have been made adequate to the output, and these facilities are now being arranged for, to the end that California power will be no more costly than is the motor which turns the machinery in eastern states. The present consumption of steam coal in California alone would create a demand for upwards of $15,000,000 worth of oil at present prices, $1.25 per barrel at the factories, while on the coast, all things considered, the demand for fuel oil would reach a valuation of at least $30,000,000 as soon as steamships, railroads and factories are equipped to use the oil. Then comes the demand for lubricants and the vaseline products, the present demand for all of which is very small to what it will be as the varied industries of California are developed.

"Speaking with a gentleman engaged in the manufacture of gas the editor of this paper, knowing that the company in which he was interested was using oil for fuel, asked the question what effect the use of oil was in the cost of gas production? He received the following reply: 'We can deliver gas at $1 per thousand and pay dividends to our stockholders, where we could not do so by using coal with gas at $1.40 per thousand.' This is a wonderful statement, coming from a man whose word is legion in the San Francisco business world.

"The oil fields seem to cover nearly the entire State, both north and south of the Tehachapi mountains and west of the lines of the Southern Pacific main lines. The question of the transportation of the oil is still in an embryotic condition, but from all that can be learned in this regard, there need be no fear as to a proper solution of this part of the oil problem. In fact, everything points to a certainty that the oil industry of this state will assume colossal proportions. There will be some ventures which will prove failures, these, most likely because in all great movements dishonest people will engage in ventures who do not possess sufficient business ability to conduct matters of large proportions, but in the main success will attend the efforts of those who make their ventures with the companies who have men of known ability at the helm. If people expect to make fortunes in a day or a month they will be disappointed. They must have the patience to wait for all developments. There is no need of turning the industry into a speculative or gambling proposition. People who are anxious for this can find plenty of bucket shops to operate in, but if investors are willing to embark in an enterprise where legitimate results will follow legitimate enterprise and development, no better field can be found for the safe investment of capital than can be found in the oil fields of California.

"There is a danger that unscrupulous persons will endeavor to float propositions on paper in the east inasmuch as the large amount of stock which is being issued by the companies can never find its market in this state, and it will be necessary to dispose of much of it in the eastern and foreign money markets. Steps are being taken to guard against this, but many unwary persons will no doubt be nipped notwithstanding the safeguards placed by the legitimate companies. This is to be regretted, and if the proper care is taken much of this practice can be checked. This is a work which the California Petroleum Miners' Association has undertaken to perform. If it is successful the greatest unrestricted developments in all of California's great and growing industries may be looked forward to. We are on the eve of converting the state into a new El Dorado."

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OIL IN COLUSA.

Paraffine Oil Obtained at a Depth of Five Hundred Feet.

For the past six months the eyes of the public have been watching the results of oil developments in Colusa county, and with good substantial reason, for the first discoveries of oil seepages way back in the sixties were in Colusa county.

Some eight months ago Messrs. Gorrill and Smith commenced pioneer development work in the oil belt located ten miles northwest of Arbuckle, Colusa county, on section 7, 13 North, 3 West. Their first well was drilled down about 490 feet, and had got through the harder formations and was entering the sand when they lost the drill. After trying for some time to get it out, and failing, they started a new well thirty feet east of the first one, and are now down 500 feet and have struck oil of a a very high grade which indicates a paraffine base. This effectually settles the proposition and opens up a new and valuable oil territory.

Land values have increased in consequence. One hundred dollars per acre was offered last week and refused for 440 acres in this district and sales have been made at a higher figure. Mr. G. C. King, of San Jose, bought the NW ¼ of section 10, 13-3, located two miles east of the Gorrill well.

Many companies have been formed for development. Among the most prominent are the Yolo Oil Company, composed of such well-known men as T. L. Reed, W. C. Price, I. W. Ross and R. B. Butler of the Kern River district; the Rice-Miller company of Los Angeles; the Mount Shasta Oil company; the Colusa Consolidated Oil and Refinery company which has 4400 acres of selected lands adjoining the lands on which the Gorrill wells are located, besides others that are now forming and in very short time this district will be one of the busiest in the State.

Normal Oil Company.

The reports from the field of operations of the Normal Oil company are most encouraging. The work on the rig is being pushed igorously; the machinery is is all on the grounds and the derrick is being erected; the necessary buildings and outhouses are already erected. The secretary reports that they will begin drilling between the 1st and 15th of February.

The site of the well is one and one-half miles from the track, and where oil is struck in paying quantities a pipe line will be constructed to the railroad. The grade is sufficient to cause the oil to flow by gravity. The formation of shale and sandstone lying uncovered within fifty feet of the well, (the strata lying in its natural state) is thoroughly saturated with oil, and in less than a quarter of a mile are a dozen distiuct seepages of oil.

Few companies have a more promising outlook and if progressive management will accomplish anything this company should be heard from in the near future as one of the great oil producers of the state.

Oil Companies Incorporated.

The Call Oil company. Principal place of business, Fresno Directors—J D Morgan, T J Ockenden, M Brady, W Newman and D S Ewing of Fresno. Capital stock, $150,000: subscribed, $125.

New Era Oil company. Principal place of business, San Francisco. Directors—J N Sharpe, F W Haswell, F C Radcliffe, E Schwab and W C Webb of San Francisco. Capital stock, $500,000; subscribed, $250.

Kern Sunset Oil & Development company. Principal place of business, Bakersfield. Directors W Snook, G J Planz, R Fruselle, W L Dixon and J Snook of Bakersfield. Capital stock, $350,000; subscribed, $80.

Webfoot Oil Syndicate. Principal place of business, Los Angeles. Directors—D C Narver, T L Winder, F E Davis, R Dobson, C M Burr of Los Angeles and H D Ramsdale and C Neilson of Portland, Or. Capital stock, $500,000; subscribed, $3,500.

Athens Oil Development company. Principal place of business, Oakland. Directors—J J Cox, O C Gerhardy, F F Mood, J Loughead, R J Hunter, H J Coleman and W V Harrington of Oakland. Capital stock, $280,000; subscribed, $70.

People's Oil company. Principal place of business. Bakersfield. Directors—P W Hastie of Fowler, W G Bartinsien of Wasco, F Chamberlain of Kern, H C Rambo. J R Withro, J H Terrell and R S Aston of Bakersfield. Capital stock, $1,000,000, subscribed, $35.

Oleum Terra company. Principal place of business, Los Angeles. Directors—A H Liscomb, E C Freeman, J V Akey, W E Baxter and L W Godin of Los Angeles. Capital stock, $16,000, fully subscribed.

American Petroleum Supply company. Principal place of business, San Francisco. Directors J T Flynn. W Kahn, J N Turner, W Bloomheart and M W Bell of San Francisco. Capital stock, $500,000, subscribed, $125.

Hunting Creek Oil & Development company. Principal place of business, Napa. Directors—N W Collins, E H Winship, D A Dunlap, T H Stice of Napa and G P Powers of Yountville. Capital stock, $500,000, subscribed, $40.

Pennsylvania Oil company. Principal place of business, McKittrick, Kern country. Directors—G M Boyd, S O Thomas. H F Peters, G M Bobst, C C House. J G Hill and J Reynolds of McKittrick. Capital stock, $100,000, subscribed, $42,000.

Morning Star Oil company. Principal place of business, Fresno. Directors—F H Short, G A Hare, C W Cutten, I L Granger and F E Cook of Fresno. Capital stock, $100,000, subscribed $20,000.

The Santos Oil company. Principal place of business, Sacramento. Directors—T R Jones, J J Santos, G P Millis, W A Stone and C M Beckwith. Capital stock, $300,000. Each director holds $60,000 in stock at $1.00 per share.

Kopje Oil company. Principal place of business, Bakersfield. Directors—E P Falis and G A Scott of Fallbrook, G S Waterman, D M Adams and G L Plowman of Bakersfield. Capital stock, $100,000, subscribed, $10,000.

Valley View Oil company. Principal place of business, Selma, Fresno county. Directors—C Bachtold, F W Fry, W H Neff, W A Dunham and F A Dedson of Selma, and F S Bagley and J T McCana of Malaga. Capital stock, $250,000, subscribed, $187,100.

Arcata Oil company. Principal place of business, Arcata, Humboldt county. Directors—N H Falk, J C Bull, J Harpst, G H Burchard, T Bair, S Myers, H W Jackson, C E Falk, R Bull, M P Roberts and C I Hapst of Arcata. Capital stock, $250,000.

Phoenix Oil Supply company. Principal place of business, Bakersfield. Directors W Bates, E J Bates, L P Ogram, H Anderson, R W Elsom J H Pierce and H S Smith of Bakersfield, Capital stock, $75,000, subscribed, $7.

Notice of Annual Meeting.

Notice is hereby given that the annual meeting of the stockholders of the Templore Oil company will be held at the office of said corporation, rooms 115-117 Phelan building, in the City of San Francisco, State of California, on Thursday, February 7th, 1901, at the hour of 8 P. M., for the purpose of electing directors for the ensuing year, and for the transaction of such other business as may properly come before the meeting.

Transfer books will close at office of the corporation on the 26th day of January, 1901 at 5 o'clock P. M.

WILL A NEWCUM, President,
F. M. PERSINGER, Secretary.

Normal Oil Co'y

Organized Under Laws of Arizona

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PRICE, 15 CENTS PER SHARE

Our Company will be as near a close corporation as possible; therefore will sell only a small amount of our treasury stock. We put it at the price to sell quickly, and price is subject to raise at any time. Our land is situated in the **heart** of the **Oil Belt** of San Luis Obispo and Monterey Counties, and has been experted by State Mineralogist Cooper and other noted experts, and by them pronounced **absolutely sure of Oil.** Capital stock, 750,000 shares; par value, $1.00.

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Famosa Oil & Investment Company.

A derrick is now being erected on the property of the Famosa Oil & Investment company on section 4, 29-28 Kern River district, which is the first of four which have been arranged for. They expect to have their first well in oil sand within the next twenty days.

The location of this property is the most prolific in the Kern River district and wells which are mechanically well finished should yield upwards to five hundred barrels per day. The oil sand in the immediate vicinity has been found to be from five hundred and fifty to six hundred feet in depth. The stockholders of this company are to be congratulated on their magnificent location.

Arsenic in Water.

R. B. Robinson has just returned from Gaviota, Santa Barbara county, where he set up a rig for the firm of Busch & Off. These gentleman have in control two miles of land fronting on the ocean. The district has promising croppings, and for two miles the oil sand appears at the surface. The same parties tested the country some distance back from the ocean, a short time ago, the pump bringing to the surface various kinds of water. One of these Charles Off tested by swallow ng a small quantity. In a few minutes he was in agony. An analysis proved that the water contained a strong solution of arsenic. The third vein of water tapped was fresh, but boiling hot; so hot, in fact, that the tools coming from the hole could not be handled.

Oil in Arizona.

Oil has been struck in the Gila valley, but the quantity is yet a matter of conjecture. George Olney, Hank Dowdle and O. C. May were engaged in drilling a well for water, hoping to strike an artesian flow. They had reached a depth of 1000 feet when the oil was encountered. It was mixed with sand. The gentlemen who made the strike are confident that a lake of oil exists in the locality and further development is now in progress. Mr. Olney says he will drill to a depth of 2000 feet if necessary, and if there is oil in quantities to pay he will spend his money to find it.

The Hawkeye State Oil company, on 18, 28-28, has again shown that oil is to be found in good quantities to the northwest. The Edgar Oil company recently struck oil in the same section. The Hawkeye well is one-half mile east of the Edgar, which broadens the belt for that distance. The extent of the strike has not been reported, but it is believed to be good. The Hawkeye company had a bitter experience in the Coalinga field, but had the nerve to try again here and its success is deserved. The Petroleum Development company is also drilling in the same section and other companies have been watching developments before beginning. Work will now p oceed in several quarters.

The Chino Land & Water company, which is drilling north of the Fullerton district proper, is not making very rapid progress.

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Humboldt County Oil.

Mr. A. Mackintosh, owner of the Mackintosh well in Humboldt county, states that the oil is worth five dollars a barrel, so that his well, originally a fifteen barrel producer, is equal to a much better well of cheaper oil. The oil is like the rest from this district, limpid and easy flowing, of a light brown color and with a slight green fluorescence. A sample can be seen in the office of the PACIFIC OIL REPORTER. It is of about 40° B. gravity and is reported to have a paraffine base. Samples are being analyzed in Pacific Coast laboratories and also by the Lehigh University in Pennsylvania, and the results of these analyses will be published in later issues of the REPORTER.

Buying Oil Stock

Requires as much judgment and care as any other business transaction A few points worthy of consideration are

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THE PEOPLE DIRECTLY INTERESTED

AMOUNT OF STOCK IN TREASURY

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It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different sized squares or suit different sized bits.

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Since the organization of this company it has acquired 244 additional acres of fine oil lands in the Vallecitos District, Sa Benito County. This makes a total of 404 acres owned by this company. Capital stock 100,000 shares par $1.00. Treasury stock 40,0 shares. Limited amount to be sold. Stockholders are fully guaranteed against loss, as the officers and directors are men of wealth a integrity. Reference is made to the CALIFORNIA PETROLEUM MINERS' ASSOCIATION, San Francisco, Cal., or THIS PAPER.

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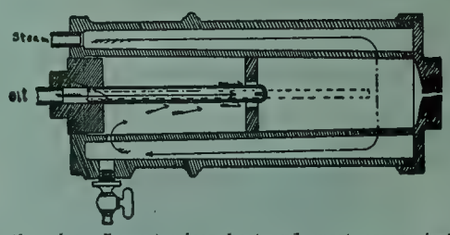

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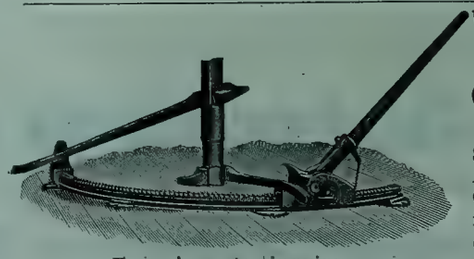

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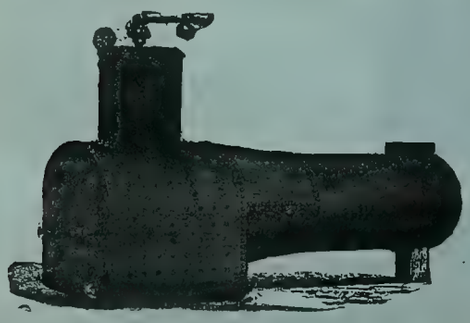

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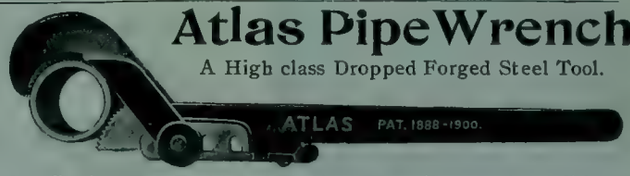

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ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BUCKHORN OIL & TRANSPORTATION CO.
Capital $200,000
20,000 shares at $10
Location. Ventura county. 150 acres two miles south of Buckhorn.
Officers- Martin I W Smith, president; Worthington Ames, secretary; F L Forreston, A M Allen and George B Merrill.
Office; 801 Montgomery street, San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president; W I Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary; H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital $200,000
200,000 shares at $1.
Location, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer, W M Walker, field superintendent.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital $500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Fransco, Cal.

CALIFORNIA ROCK-OIL COMPANY,
Capital. ..... 1,000,000 shares
Par value, $1.00.
Location: 80 acres in section 28, Coalinga district, Fresno county, and 700 acres in Big Panoche district, San Benito county.
Officers and Directors: Duncan Hayne, president; William Craig, vice-president; Victor P Seawell, secretary; Union Trust Company, Depository; W C Herbert, H G Stevenson, D T C Perkins, M E Stanford.
Office: 616 Hearst building, San Francisco, Cal

CALIFORNIA OIL AND GAS CO.
Capitalization $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its tire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital $150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, prosideut, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CALIFORNIA MUTUAL OIL COMPANY.
Capital, $500,000; 500,000 shares at $1. Location N ½ of NE ¼, S 28 T 28, R 28 E, Kern River District; N E ¼ S 12, T 27, R 26 E, Poso District Kern county; Rancho La Purissima, Lompoc District, Santa Barbara County. Offiers—John H Wise, President; Wm. H Busch, Vice President; Arthur B Price, Supt; Depository, Wells, Fargo & Co's Bank; E A Kluegel, Secretary. Office, No 212 Sansome street, San Francisco, Cal. Telephone. Main 683 Stock selling at par

COLOSSAL OIL AND MINING COMPANY.
Capital $500,000
500,000 shares at $1.00 per share
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice-president and manager, N. Hawthorne Spitzer, secretary and treasurer, A. W. Gale, superintendent of construction.
Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal.

EQUITABLE OIL CO.
Capital $500,000
100,000 shares at $5.
Location: Kern county: Southwest ¼ of section township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R C Atkins.
Office: 405 Montgomery street, room

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Abro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. ice 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital $200
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital $600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

HERCULES OIL CO.
Capital $100,000,—100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District. Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Plagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital $400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital $600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

M. C. Nunan, President. M. L. Culver, Sec. Daniel Meyer, Trs.

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GREAT NORTHERN OIL CO. OF OAKLAND
Capital $250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

GRAND PACIFIC OIL CO.
Capital $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

GOLDEN REWARD OIL & DEV. CO
Capital $300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 11 M D B and M.
Officers—J A Button, president and manager, M L Perry, vice president, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, M L Perry, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, Charles Tibbetts Edwin W Wood ward, Special Agent, 11[illegible] Montgomery street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital $200,000
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office— Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LINCOLN OIL COMPANY.
Capital $200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I. J Truman, Jr., F. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice-president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO
Capital $100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, we st, S B B and M, Sunset district.
Officers and Directors: W C; Tighe, president; Joe Bancroft, vice-president J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building. adera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital $1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 428c acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton. treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire. Highland F. Finnell, D. B Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Annamun, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office--606 Hearst (Examiner) Building. San Francisco.

OCEANSIDE OIL COMPANY OF ARIZONA
Capital $375,000
375,000 shares at $100 each.
Location; 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares. . . . par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L, Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents 346 Parrott Bldg. Telephone, Jessie 1683.

PETROLEUM CENTER OIL CO
Capital $500,000
500.000 shares at $1.00
Incorporated. October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-Pesident, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland.
Office—Room 29, Third floor, Mills building, San Francisco

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telepheno, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000, Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett and H L Gear, attorneys, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Fraucisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, R. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE

Capital..... $500,000
500,000 shares, par value, $1.

Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east, west half section 7, township 15 south, range 10, east.

Officers and Directors—H W Conkling president Allen Brant, vice-president, D A Potter secretary, C A Bothwell, treasurer, J C Conkling S H Langford, J C Griffith and C H Field.

Brant and Brown, attorneys

Office: Room 1, 85 S First st, San Jose, Cal

SOLANO OIL AND DEVELOPMENT CO

Incorporated under the laws of the state of Arizona, October 3, 1900.

Capital stock, 200,000 shares, valued at $1 per share, or $200,000.

Location: 1200 acres in Solano county California, three miles from Vallejo and within two miles of San Francisco Bay

Officers: I Freeman, president, Max Kahn, vice-president, M M Kahn, secretary, Hugo D Newhouse, attorney

Depository: First National Bank of San Francisco

Safe Deposit Vaults, Union Trust company, San Francisco, Cal

Directors, E Pander, M. M Kahn, Max Kahn W D Newhouse, B Heyman, Arizona Representative, I Freeman Office, 1327 and 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY.

Capital.....$500,000
500,000 shares, at $1 00 each

Incorporated, July 31, 1900.

Land, 290 acres, in Sunset and Kettleman districts.

Officers and directors—Ambrose Harris, secretary; Tyree A Bell, superintendent, John L Greer, San Rafael, W B Taylor, San Rafael, D C Campbell, Los Angeles, A H Brod, Paul Redfield Lewis, L Barrere, San Francisco, H L Gear, Frank N Stone, attorneys, Germania Trust Company, treasurer.

Offices 611 612 613 Hearst Bldg, San Francisco.

SURETY OIL COMPANY

Capital.....$600,000
600,000 shares par value $1.00 each.

Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district

Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.

Farmers and Merchants Banks, depository.

Office, 102 Henne Block, Los Angeles, Calif

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THE RAVENOIL COMPANY,

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch. Bank of Bakersfield treasurer.

San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

THREE STATES OIL CO Limited.

Capital.....$1,000,000
1,000,000 shares at $1.

Location: 240 acres in McKittrick and Sunset Districts, Kern county.

Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Oon E P Colgan, I N Pattison, M F Levy

Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital.....$300,000.
Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO.

Capital.....$500,000
100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L P Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone—Main 671

XLNT OIL COMPANY.

Capital stock.....$500,000
500,000 shares, par value, $1 per share.

Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M

Office--- 552 Parrott building, San rancisco, Cal

YUKON CRUDE OIL CO.

Capital.....$250,000
100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.

Office 638 Market street, San Francisco

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I have option on small block of stock—Solid company just struck good well on their extensive territory.

A very excellent speculation. Will sell at 15 cents per share.

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Original owner of Oil Lands in

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Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non = Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts as follows

Sunset and McKittrick District, Kern County
Coalinga District, Fresno County. Kettleman District, Kings County.
and Contra Costa County

SECOND—Stock is absolutely Non-Assessable.

3d Large Capitalizaton By which successful development is absolutely assured.

12,000 Shares Sold in One Day.

One Hundred Thousand Shares Sold in Less than Three Months

Second 100,000 shares now selling rapidly at $1.00 per share; when 3d 100,000 shares will be placed on the market at $2.50 per share.

The Officers of the Company are all well-known business and professional men

A. G. Deardorff.....President
J. M. Merrell.....Vice-President
John Choice.....Secretary
Wells-Fargo Bank.....Depository
F. A. Berlin.....Attorney
Franklin Person.....Superintendent Agencies

DIRECTORS.

J. M. Merrell E. H. Baxter J. A. Miller
John Choice J C Sala F. A. Berlin
R. L Rigdon A. G. Deardorff

Office, Rooms 412, 413, 414 Parrott Building, SAN FRANCISCO Tel. South 740.

T E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

Endorsed by the California Petroleum Miners' Association.

NUMBER 13

PACIFIC OIL REPORTER

SAN FRANCISCO, CALIFORNIA, FRIDAY, FEBRUARY 1, 1901.

R.H. HERRON CO.
DEALERS IN
Oil Well Supplies
Largest House on the Pacific Coast.
THE LATEST IMPROVED MACHINERY AND TOOLS. READING CASING AND TUBING.
SAN FRANCISCO. LOS ANGELES.
BAKERSFIELD. HANFORD.
AND COALINGA.

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Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

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Requires as much judgment and care as any other business transaction A few points worthy of consideration are

CAPITALIZATION

AMOUNT OF LAND AND ITS LOCATION.

THE PEOPLE DIRECTLY INTERESTED
AMOUNT OF STOCK IN TREASURY

WE HAVE A FULL STANDARD RIG drilling on the ground and invite the closest investigation of our project, believing that there s no better oil investment than stock in our company at 50 cents per share.

Pacific Coast Oil and Development Co.

Office, 209 Hearst Building, San Francisco.

Jacalitas Petroleum Co.

Operatingin the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capit i-zation. Economical management

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,
399A Parrott Bldg, San Francisco

Casmalia Ranch Oil and Development Co.

Incorporated under the laws of California
Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building.

PACIFIC OIL REPORTER

VOL. 2. NO. 12. SAN FRANCISCO, CAL., FRIDAY, FEBRUARY 1, 1901. PRICE, TEN C

THE GREAT GUSHER OF BEAUMONT, TEXAS.

A Remarkable Well in the History of Petroleum—How New Oil Territory Is Being Developed on the Gulf Coast.

BEAUMONT, TEXAS, Jan. 22, 1901.

W. B. WINN, Editor,

SAN FRANCISCO, CAL.

DEAR SIR—In complyance with your request I am sending to your address under different cover a true photograph of the big oil well here.

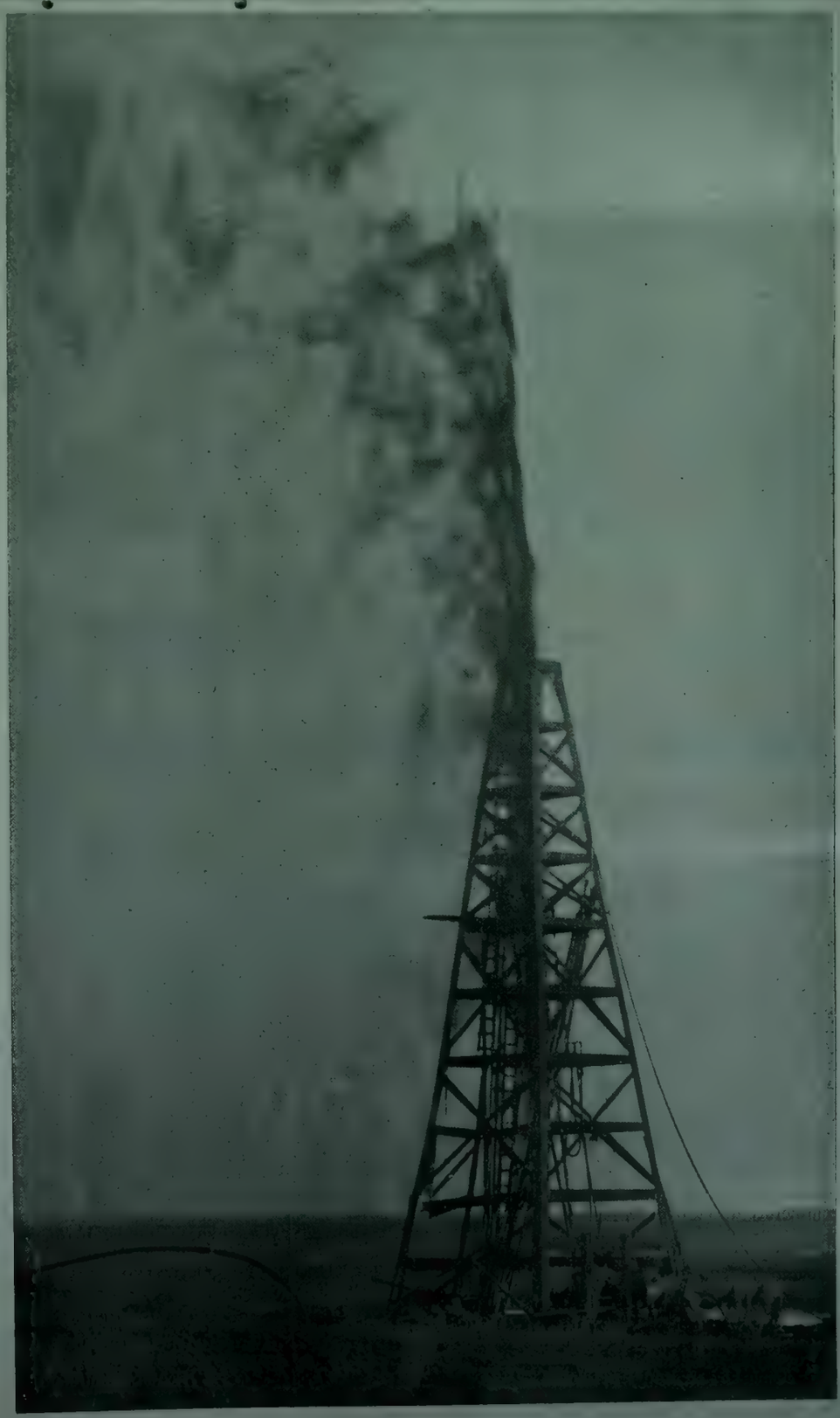
The owners are J. M. Guffy, Jno. H Galey of Pittsburg, Pa., and myself of Washington, D. C. Would be pleased to have a copy of your REPORTER containing whatever you may see fit to publish concerning same.

Yours respectfully,
A. F. LUCAS.

So the great gusher which is to equal the fountains of the Russian fields has been found after all, not in the old and well developed fields of Pennsylvania or the new oil regions of the Pacific Coast, but away down in the delta of the Mississippi. It is not as big as the great oil fountains of the Baku field, to be sure, for they are some times three hundred feet high with an output of 20,000 to 30,000 barrels daily, and this is reported from one hundred to one hundred and seventy-five feet in height, varying probably with the wind and gas pressure. The well was sunk by Capt. A. F. Lucas of Washington, D. C., who has been operating in this territory for more than a year, and the drilling was done by Hammil Brothers, two professional oil men of Corsicana. The well has a depth of about 1300 feet, and the stream flowing from it is six inches in diameter, the four-inch pipe having been blown out with the first flow. The location of the well is on a level space adjoining the Sabine and East Texas Railway, which formed an embankment for the first overflow from the well which took place on January 10th. Since then the well has been flowing up to the 21st, when Capt. Lucas succeeded in getting a valve placed on the mouth and now believes he is master of the situation. It is estimated that 150,000 barrels of oil flowed from the well during the time it was open, and considerable effort was expended in building temporary earth reservoirs to save the oil. At the rate of 8,000 barrels a day the well would produce nearly 3,000,000 barrels a year, equal to the entire product of California for the past year. At fifty cents a barrel the well would pay 10 per cent. on $15,000,000, though there is little likelihood that the yield would last any great length of time.

The new district is only twenty miles from tide-water at the Gulf, Sabine Pass and Port Arthur being the nearest shipping points, and Galveston not far away. Pipe lines to the Gulf and refineries are being talked of, but the question of market is as yet secondary to handling and storage. The oil is very black in color, with but little flouresence when held to the light, but in other respects is very similar to the lighter California oils, the gravity being about 23 deg. B., the same as the oil around Fullerton in this State. It has a strong smell of sulphur, similar to the heavy oils of Lima. The sand is of a light drab color with a grain like granulated sugar. It is said that a similar sand has been found along Warthan Creek in Fresno county.

The territory just opened up is interesting from a scientific standpoint as well as in its commercial aspect. The only territory in Texas in which any exploiting has been done so far is the Corsicana field, where the oil-bearing sand or rather shale belongs to the marls of the Upper Cretaceous, a much more recent formation than the Pennsylvania fields, but nearly approaching the earlier of the California oil-bearing formations. There has been traced a continuous connection of oil indications between the old and new fields, two hundred and fifty miles apart, and it is this feature together with the comparatively uniform character of the formations which encourages those interested in oil to believe that the present discovery foreshadows the opening up of a vast new field to supply the manufacturing sections of the south with a cheap fuel to take the place of the coal which nature has so scantily supplied.



The Great Texas Gusher, Flowing from 8,000 to 10,000 Barrels a Day.

BUILDING OIL TANKS.

Some Important Points About Their Construction and Repair.

An interesting article appears in a recent issue of our contemporary, The Oil Paint and Drug Reporter, on the subject of Oil Tanks, of which the following is an abstract:—

In recent years, considerable attention has been given to the design, arrangement, foundation and general construction of tanks for purposes of holding oils. Mild steel is the material almost exclusively used in some of the oil tank making plants, and this stock is suitable in cases where other materials have been known to fail. Superior qualities of wrought iron have often been employed with good results in the making of oil tanks, and so has cast iron, but both of these metals lack some of the needed qualifications of a substantial and reliable oil holding reservoir. The most excellent

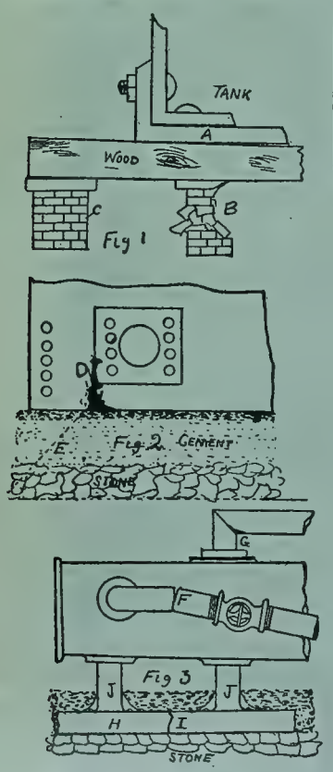


Fig. 1, Oil tank on wood floor.
Fig. 2, Cement bed for oil tank
Fig. 3, Elevated oil tank.

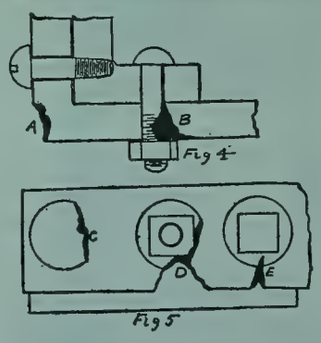
tanks for oil purposes may be unsuitable for service if not properly arranged in the setting. It must be borne in mind that all heavy structures such as oil tanks invariably are, require a much more solid foundation than the average machinist or builder calculates upon, and calculations upon the required strength of foundations for large oil tanks have frequently been completely upset by the resulting settling of the tank a short time after installation.

SETTING OF THE TANK.

Figure 1 is a sectional view of an oil tank set on a wood floor. The bottom sectional view of the flange of the lap at the lower turn of the tank is marked A, and just as long as this rests upon an even and solid base, there will be no trouble experienced with the joints. But in some instances the foundation timbers are arranged upon brick supports like B and C. The chances are that the brickwork in one or more of these supports will work loose and pieces of the brick drop out, as at B. The best way to overcome this trouble is to either employ more substantial pillars or inspect the same at intervals, so as to repair any loosening of the masonry before damage is done.

THE CEMENT BED.

Figure 2 is a form of cement bed which is being used quite extensively in oil works for the supports for metal oil tanks. First the earth is out to a depth of several feet and a foundation of stone is put in to a depth of about twelve inches, as shown. Above this stone the cement bed is put. Sometimes a concrete bed is arranged for and these beds are proving quite practicable. The thickness of the concrete beds may vary from one foot to three feet, according to the weight of the tank to be sustained. The conditions of the earth must also be taken into consideration. If the earth is soft and spongy, then the concrete bed must be heavier. If the ground is fairly solid there will not be so much need of a heavy bed. If the ground is soft, the area covered by the bed must of course be larger. After the bed is finished, the tank is adjusted

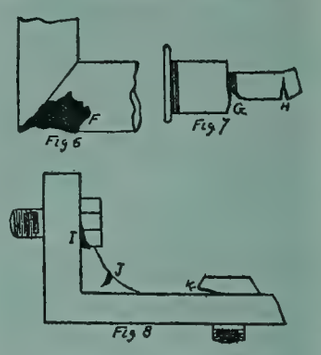


Effect of corrosion.

in its centre, and then the tank itself should be examined for weak places in it. In one case there was a defective place in the metal connection in the plates of the tank, as at D, figure 2; so that when the tank was in position, a fracture occurred at this point, due to the weakness of the metal, caused by corrosion, and to the settling of the concrete at about the angle indicated by the line E. The concrete bed ruptured in a series of triangular prisms, and later on the separated pieces ground against each other, gradually weakening the entire support. Engineers and others engaged in setting oil tanks should bear in mind the fact that first the tanks themselves should be in proper form, and secondly, the concrete or other beds should be thick enough, and cover enough area to prevent fractures of the kind shown in the cut. In some cases where it is impossible to get the proper area of concrete bed, piles should be driven for assisting in the supporting of the base.

WRONG ARRANGEMENT OF TANK.

In some cases the oil tanks have been arranged for an elevation, as shown in figure 3. The idea is to get the tank above ground for a few feet for purposes connected with the holding or delivering of the oil. Stone is sometimes laid first, as shown, and directly on top of the stone bed the cast iron cross pieces are placed. The vertical iron posts, J J, are usually flanged, and the shoulders are provided with holes, through which set screws or nuts and bolts can be used so as to make a firm connection to both the cylindrical tank and to the base pieces, H I. In course of time the stone settles, and to such extent in some instances as to cause the iron foot piece to fracture. When this occurs, the whole tank will gradually lose its alignment, and the plates will be wrenched, piping sprung, and the chances for the production of leaks will be many. The writer has observed tanks settled out of line so far as to cause the fixed pipes to be fractured at an elbow, as, for instance, at G. The horizontal portion of the pipe being sustained at the other end something must give way with the settling of the tank. Again, tanks have been so far out of line due to the settling of foundations as to cause fractures of the character shown at F. The pipe will



Defects in construction.

remain strained for some time, and will suddenly snap off or collapse. To avoid troubles of this sort, the stone foundation should be examined to see if it is suitably laid out with proper thickness and area. Then instead of having the iron foot piece placed directly upon the stone, there should be cement or concrete between, so as to afford a more elastic foundation than is possible with the hard rock.

Any deflection from the line will, therefore, afford some means of relief, and fracturing of the iron foot piece is not so liable to occur. If it is necessary to form a recess in the concrete for the purpose of carrying an oil pipe this recess should be arched with steel or other metal plates, so as not to weaken the supporting power in the concrete. Cast-iron pipes should not be used under the tank or at the sides, where they are of plain view, but steel ones should be used, for these are more flexible, and will adjust themselves to the conditions of the shifting foundations. As to the concrete, this may be made of one part Portland cement and one and one-half parts of sand, five parts of broken stone. The stone should be porous, and not hard and smooth, for the cement can get a better grip on the former.

PREVENTION OF RUST.

Formerly there was no way to get at some of the tanks, and the rust and corrosion did much damage. A good clean coating of paint now does away with much of this former trouble. In figures 4 and 8 we show some specimens of bad work, due to the concealment of parts of the oil tanks. In figure 4 is an actual case of corrosive action which had eaten into the metal corner as at A, and weakened this part, while at B one of the bolts was about ready to break. The breakage of this bolt would weaken the flanged connection and permit the joint to leak. It is well known that as soon as the mechanical action of a corroded part sets in the defect is increased, and within a short period disaster is likely to occur.

CORROSION AND EXPLOSIONS.

Many explosions of oil tanks containing explosive oils can be traced to the corroding of a bolt and the final loosening and dropping out of same, as in this illustration. If all parts of the tanks and the connections are in view, accidents of this description cannot occur, providing that the inspector of the plant does his duty. At C (figure 5) the side of head of a bolt is partly gone, the corrosive action having cut into the metal and partly destroyed the head. When this defect extends to and over the centre, the head of the bolt is liable to be pulled off, the bolt will drop out and leaking will occur. Again, cases are in mind in which the corrosive action has extended through the metal itself, as well as the side of the belt, as at D in same cut. Then, again, we have it at E, where the action is about to begin. Corrosive matter, when combined with the mechanical action which is traceable in all tanks, is a dangerous element, and careful inspections should be made with a view of finding these places and remedying them. New sections should be put in and new bolts substituted. Figure 6 is a sample of the bottom part of an elbow which is eaten through as at F, something which has been known to happen in an oil tank which was boxed up in masonry and woodwork, so that the corrosion could destroy the part gradually without detection. Figure 7 is another sample of a section of oil pipe which was seen by our correspondent, and which was bound up with wires and pieces of cloth and string to prevent an excess of waste. As it was, the amount of waste was not large, but it required constant care to keep the parts closed. The only way that this could be fixed was to remove the entire section of pipe, so as to replace the piece which was destroyed at G and H with a new one. Then, again, in figure 8 we have two or three little defects which are often unnoticed in oil tanks, and which might be overcome if the tanks were properly cared for. One trouble consists in the corroding substances finding a resting place beneath the head of a set screw at I, and, unless remedied, the entire bolt will be so badly weakened as to become weak and useless. It is best to turn out the bolt and replace it with a new one. Then a place in the rib like J can be fixed by hack-sawing or filing away a part of the metal, so as to leave only clean metal. A new piece of metal can be dovetailed in or patched by rivetting. If the broad capped bolts are weakened by the corroding substances finding a resting place beneath the heads, as at K, then the bolts should be replaced with new ones, and if the tank is painted at intervals at these parts there will not be another chance given for the rust to begin its action of destruction.

PETROLEUM TEST LAW.

A Threatened Danger to the Oil Industry in California.

Oil men have been much exercised over the introduction into the Legislature of a bill already mentioned in the columns of the REPORTER, requiring a flash test of 130° for all illuminating oil sold in the state. The Herald states that there is a theory that low-test oil is especially liable to explosion, and it is probably on that account that the bill has been presented in the Legislature restricting the sale of oil to that of 130° degrees and higher. Persons who follow the newspapers closely, however, are aware that reports of damage to persons or property from the explosion of petroleum lamps are among the rarest items of news. Gasoline stoves furnish daily news items, but the petroleum lamp explosion is practically a thing of the past. And yet this condition exists in spite of the fact that there is practically no limitation on the sale of illuminating oil in the state, and has been none.

Without attacking the motive of the bill before the Legislature, it is taken to be, in fact, a bill to prevent the sale of California illuminating oil in the state where it is produced, as it is impossible to produce here at a profit an oil of 130 test, the California crude oil differing so materially from the product of eastern states. The passage of the bill in question, therefore, would act against the petroleum industry of the state without bringing to the people any advantages.

That this a particularly inopportune time for the passage of such a law is evident to every person familiar with the oil business. During the last year there has been a vast increase in the production of the fields in California, and with such an increased production, it is essential that everything within reason be done to promote the consumption of oil. Great progress has been made during the last few months in building up a refinery business. A year or so ago there were but three refineries in the State turning out illuminating oil. Now there are about a half dozen, and each of them has its very existence, so far as the prodmction of illuminating oil is concerned, at stake on the passage of the bill in question.

The petroleum markets of the State are in a most satisfactory condition at present, because the companies which are refining oil stand ready to take up the surplus over the demands for fuel use. Should those refineries be crippled and the oil they now consume be added to that which is seeking a market as fuel, it would be practically impossible to preserve prices at a remunerative point.

Oil men do not believe that the Legislature will deliberately pass a law which will strike a severe blow at the new industry, but they are afraid that the law may be passed through a lack of information regarding the effect it will have on the oil business.

THE NEW OIL EXCHANGE.

Members Selected and Incorporation Articles Filed.

Articles of incorporation have been filed by the San Francisco Oil Exchange. No capital stock is stated in the articles filed, but the admission fee is placed at $50. The first meeting of the exchange will be held on the second Tuesday in March, when permanent officers will be elected. The 118 members have been selected by the committee on membership as follows:

President, Albert Gerberding; Vice-President, S. Otis; Treasurer, Charles Hirshfeld; Directors—E. Meyer, W. W. Gallin, P. J. Cadogan, Charles F. Kapp, W. F. Soule, Henry C. McPike Secretary; M. Adler, F. D. Atherton, P. S. Brown, E. F. Beck, George F. Beveridge, M. Blum, William Berg, William Bachr, Jr., Max Brooks, P. E. Bowles, Maurice Casey, B. Cohn, C. H. Dausmoor, Jacob Eppinger, E. C. Ewell, Geo. W. Forsyth, William L. Gerstle, G. D. Greenwood, A. Herman, Edward B. Halden, William Hinkle, L. A. Kelley, Leon Kauffman, Harry J. Knowles, S. C. Lillis, H. F. Lange, John Loftus DeWitt, B. Lowe, J. H. Leonard, Phillip S. Montague, James Madison, A. S. Mosely, George P. Morrow, E. E. Potter, Thomas B. Phelby, J. S. Potts, J. B. Rogers, James Rolph, Adolph Strassburger, H. Sinsheimer, M. Schwitzer, Frank W. Sumner, C. J. Sharon, H. C. Tilden, S. Wormser, Hugo A. Waterman, W. H. Wright, H. Zadig, W. G. Morrow, Wolf Cerkel, W. H. Hammer, F. E. Nelson, E. W. Ferguson, Robert S. Knight, R. W. Gorrill, N. Gerson, Joseph Friedlander, W. Davis, Thomas Moran, W. S. Pardee, E. F. Weihe, W. H. Christie, Payton H. Brooks, J. A. Stulz, J. Schuerman, John Landers, W. B. Thomas, John L. Bradbury, H. A. Samuels, Gus Neuburger, George Morgan, George P. Thurston, Julius Fried, J. G. Scott, E. D. Wolf, W. W. Marvin, F. J. Marten, E. B. Cutter, Joseph Rosenburg, E. H. Angeltinger, W. A. Miller, A. R. Patrick, Ferdinand Reis, Jr., Fred W. McNear, J. R. T. Mershon, A. J. McDonell, G. Miller, J. Greenbaum, W. F. White, E. F. Cahill, Fred W. Hadley, George W. Kelly, B. F. Sides, O. V. Walker, W. J. Donovan, E. Gauthier, I. Herzberg, A. Krause, S. Kullman, William Lowenberg, Thomas McGinnis, M. S. Martin, L. H. Morse, E. H. Neville, L. S. Rose, E. L. Strauss, S. Wolberg, George C. Sneider, Fred Frankenthal.

Some General Facts.

California's output of oil has increased as follows:

1895 ..... 1,245,339 bbls.
1899 ..... 2,292,223 "
1900 ..... 4,500,000 "

It is estimated that this year it will be 8,000,000 or more barrels.

The specific gravity of California oil ranges from 9 to 40 degrees, and the output varies in different localities from less than a barrel to 200 and over per day. A fair average would be from 10 to 30 barrels per day.

The first oil company organized in the United States to bore for oil was formed in Santa Cruz county over thirty-five years ago.

Crude oil has varied in price from 25 cents to $2.50 cents per barrel of 42 gallons in the past 10 years, but has settled down to about $1 where it will probably remain.

The wells vary in depth in different parts of the State, ranging from 250 feet to over 2000 feet. The 1000-foot wells oppear to be the most productive.

The cost of sinking a well varies according to depth and character of ground. Summerfield has wells costing $250, while in the mountain fields some have cost $25,000.

Oil Stock with a Value...

Limited Offering at 75 Cts. per Share

If contemplating a purchase of oil stock, we respectfully submit a few reasons why we expect to interest you in

The Sovereign Oil Company

We own 160 acres and have a lease of 20—180 acres in all, all located in the famous Kern River Oil District. Ownership means an absence of costly litigation to protect title. We own all machinery upon our land, including two Standard drilling rigs.

Progressive management, demonstrated by following facts: Incorporated on October 15th, 1900, and on December 6th (5, days thereafter) had **two wells in oil.** Location of property insures large profit from all oil shipped, because near railroad No costly "hauling" to prevent **any profit** on shipment. Title to property U. S. patent, meaning an asset behind stock.

Our reliability and progressiveness not an experiment. Proven by record of Sterling Oil and Development Company. The Sovereign is under same management. Prospectus and maps are free for the asking.

10,000 shares at 75 cents per share. Orders filled in rotation of receipt, and the right to revoke this offer, without notic reserved by company.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

PACIFIC OIL REPORTER

Published Weekly
The Oil authority of the Pacific Coast
Endorsed By the California Petroleum Miners' Association.

W. B. WINN, Editor and Publisher

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318 Pine Street, San Francisco
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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, FEBUARY 25, 1901.

No Compromise

The latest development in the scripper controversy is the settlement of the famous case of H. T. Cripps et al vs. the Ætna Petroleum company by compromise, each party to the suit taking one-half of the land. Cripps and his allies have incorporated under the name of the Golden State Oil company, and mineral locations have been filed by the Ætna on its share of the disputed territory, so that the question of principle was virtually waived. The ground in litigation was in the Coalinga field, forming half of section 30 in township 9 South range 15 East.

It will be remembered that this case brought out the ruling that work on a mineral location for the purpose of establishing the character of the property as mineral could not be stopped by injunction, and this was a substantial victory for the oil men. Meanwhile a discovery was made on the property and the litigants came to battle with more substantial weapons than those of the law. Now Cripps et al have taken the half containing the "discovery," and the question of the rights of holders of forest reserve scrip is as much in the dark as ever. It is natural enough that parties to vexatious and expensive litigation should take this short cut to a settlement and give up what they might rightfully claim in order to proceed with peaceful development, but settlement of any kind is a practical victory for the scrippers, who will feel encouraged to proceed with their claims elsewhere in hope of acquiring valuable property at the price of whatever litigation may be required to bring refractory mineral land locators to terms. A number of these cases have been before the courts and land offices, and in spite of adverse decisions and indictments for fraud and perjury the scripper flourishes and continues his depredations.

The California oil industry should be well represented at the Buffalo Exposition in May.

A MENACE TO OIL.

Senator Currier's Bill to Destroy the Refining Oil Industry.

Resolutions Adopted by the California Petroleum Miners' Association and the Producers' Oil Exchange.

On Saturday last the California Petroleum Miners' Association passed a set of resolutions protesting against the passage of Senator Currier's Bill No. 18, which prohibits the manufacture and sale of refined oil which cannot stand a fire test of 130 degrees.

At present no oil is manufactured in this state which stands a fire test higher than 115 degrees. At present California refined oil is not equal to Eastern oil. The reason is that up to the present time no process of refining has been discovered which refines California oil so that it is equal to Eastern oil. It will smoke a little, and sometimes has an unpleasant odor.

But this was the case with Eastern oil until a long series of experiments resulted in the discovery of a process so that the oil from one district of the East is equal to that from another. The first attempts at refining Indiana oil were failures, but at last a process was discovered, very different from that used in Pennsylvania, but which made the Indiana oil equal to the Pennsylvania product.

The same will be true of California oil. Refining processes will be discovered and are being discovered which will result in improved California refined oil. The final result will be an oil equal to the Eastern.

Again, California oil differs greatly in itself. Ventura oil is unlike Los Angeles oil and must be refined differently, and neither of these is like the Orange county oil. In addition to these comes the oil from the new districts that are being opened up.

The time will come and that before long when this state instead of refining as it does now 250,000 barrels of crude petroleum yearly will refine millions of barrels, and tank steamers will take the extra output across the Pacific, and to northern as well as to the ports of Central and South America.

It seems incredible that any legislator could for a moment entertain the idea of passing a bill which would simply kill at the outset an industry which gives such promise of future greatness as does the refined oil industry of California.

On Saturday last the California Petroleum Miners' Association passed a set of resolutions, which were endorsed by the Producers' Oil Exchange. These resolutions have been sent to the legislature. Senator Flint of San Benito and Monterey counties, and Senator Smith of Kern will look after the interests of the oil men in the Senate, and Assemblyman Clarke will do the same in the Assembly.

The newspapers published in the different oil districts should give the matter particular attention, and should vigorously protest against the passage of the bill.

The resolutions of the California Petroleum Miners' Association are as follows:

WHEREAS, A bill has been introduced in the California Legislature, entitled "An Act to Provide for the Inspection of Illuminating Oils, Manufactured from Petroleum or Coal Oils," and

WHEREAS, It appears that the purpose and intent of this proposed law is to establish a fire test of 130° Fahr. for illuminating oils, and to provide an inspector and deputies to enforce the same, the expense of such inspection to be borne by the dealers in oil through a tax levied on the packages examined, and

WHEREAS, The enactment of such a law would inflict a hardship upon the oil producers of California, inasmuch as it would practically prevent the manufacture of California illuminating oil in this State under this proposed law, and

WHEREAS, It appears that the rapid increase in the production of oil in California has made it necessary to provide a greater market for it, and that accordingly the number of refineries has been increased which depend for their existence on the privilege of finding a market for their output without restrictions which would make operation impossible, and

WHEREAS, The operation of said law would practically throw the oil now consumed by said refineries upon the fuel oil market, thereby causing at least yearly 250,000 barrels of crude oil suitable for refining purposes to be used simply for fuel thus largely detracting from its rightful price and usefulness, and

WHEREAS, It appears that such test is unreasonable and unjust, such test being required at a flash point of 110° Fahr. in Pennsylvania, the principal oil producing State, therefore be it

RESOLVED, That the California Petroleum Miners' Association condemn the proposed law as unjust and unfavorable to an important and rapidly growing industry, and hereby recommend that it be not passed, and earnestly but very respectfully request the Senators and Representatives in the Legislature from districts that are now or expect to be oil-producing, to use their utmost endeavors to this end.

Passed by unanimous vote.

Attest:

J. M. GLEAVES,
Acting President Cal. Pet. Miners' Association.
W. B. SIMMONS, Secretary.

Office of Producers' Oil Exchange,
Mills Building—
SAN FRANCISCO, CAL., Jan. 25, 1901.

RESOLVED, That this association endorse the Petition of the California Petroleum Miners' Association to the Legislature protesting against the passage of Senate Bill No. 18.

GEO. W. TERRILL, President.
R. W. HEATH, Secretary.

The Oil Test Bill, known as Senate Bill No. 18, was introduced by Senator Currier on January 10th and referred to the Committee on Mining. It is entitled "An Act to Provide for the Inspection of Illuminating Oils, Manufactured from Petroleum or Coal Oils." The bill reads in part as follows:

THE PEOPLE OF THE STATE OF CALIFORNIA, REPRESENTED IN SENATE AND ASSEMBLY, DO ENACT AS FOLLOWS:

1. That the governor shall appoint a suitable person, resident of the state, who is not interested in manufacturing, dealing in, or vending any illuminating oils manufactured from petroleum, as state inspector of oils, whose term of office shall be two years from the date of appointment, or until his successor shall be appointed and qualified. It shall be the duty of said inspector, or his deputies, hereinafter provided for, to examine and test the quality of all such oils offered for sale by any manufacturer, vendor, or dealer, and if, upon such testing or examination, the oils shall meet the requirements hereinafter specified, he shall fix his brand or device, viz: "approved," with the date over his official signature, upon the package, barrel, or cask, containing the same. And, to more effectually carry out the provisions of this act, it shall be lawful for the state inspector or his deputies, to enter into or upon the premises of any manufacturer, vendor, or dealer of said oils, and, if they shall find or discover any kerosene oil, or any other product of petroleum that has not been inspected and branded, according to the provisions of this act, they shall proceed to inspect and brand the same. And it shall be lawful for any manufacturer, vendor, or dealer, to sell the oil so tested and approved as an illuminator; but, if the oil, or other product of petroleum, so tested, shall not meet said requirements, he shall mark in plain letters on said barrel, package, or cask, over his official signature, the words: "Rejected for illuminating purposes," and it shall be unlawful for the owner thereof to sell such oil or other product of petroleum, for illuminating purposes, and, if any person shall sell, or offer for sale, such rejected oil, or other product of petroleum, for such purpose, he shall be deemed guilty of a misdemeanor and, upon conviction thereof, shall be subject to a penalty, in the discretion of the court, in any sum not exceeding three hundred dollars.

2. It shall be the duty of the inspector and his deputies to provide themselves, at their own expense, with the necessary instruments and apparatus for testing the quality of said illuminating oils, and, when called upon for that purpose to promptly inspect all oils hereinbefore mentioned, and to reject, for illuminating purposes, all oils which will emit a combustible vapor at the temperature of one hundred and twenty degrees Fahrenheit's thermometer; provided, that the quantity of oil used in the flash test shall not be less than half a pint.

3. Said inspectors shall collect thirteen cents for each barrel, cask or package, containing not exeeeding fifty-five gallons, and at the same proportionate rate for any excess over that quantity so inspected, and he shall pay over to the state inspector at the commencement of each month, all moneys received by him for inspection; and, in any case of inspection or branding, said fee shall be a lien on the oil so inspected.

5. No person shall adulterate with paraffine, or other substance, for the purpose of sale, or for use, any coal or kerosene oil to be used for lights in such manner as to render them dangerous for use, nor shall any person sell knowingly or offer to sell, or knowingly use such adulterated oil, nor shall any person knowingly sell or offer for sale, or knowingly use any coal or kerosene oil, or any of the products thereof for illuminating purposes, which by reason of being adulterated, or for any other reason, will emit a combustible vapor at a temperature less than one hundred and thirty degrees of Fahrenheit's thermometer; provided, that the quantity used in the test shall not be less than one half pint; and provided further, that the gas or vapor from said oils may be used for illuminating purposes, when the oils from which said gas is generated are contained in closed reservoirs outside the building illuminated or lighted by said gas.

A GREAT ASPHALT MINE.

Where the Bituminous Rock Comes From.

The accompanying cut represents the largest bituminous rock mine being worked in the world. It is the source of nearly all the bituminous rock pavements in Central California. This mine is located about nine miles northwesterly from Santa Cruz at the apex of a territory of about twelve square miles in which bitumen exposures abound. This substance is simply oil sand from which the volatile parts of the bitumen has been evaporated by exposure and drained by upheaval. This bituminous strata exposed in the mine illustrated is thirty feet in thickness. It has long been believed that at a greater depth are oil-bearing sands protected by shale where liquid petroleum would be found. Along the ocean shore for three miles tarry maltha floats and covers the surface of the rocks clearly showing the presence of fluid bitumen below. This oil territory is covered by large dairy ranches, the owners of which until a few weeks since have steadily refused to negotiate with oil prospectors. Recently some Santa Cruz parties succeeded in securing terms for 1500 acres to be selected from an area of about 8,000 acres.

A Great Bituminous Rock Mine in Santa Cruz County.

State Mineralogist A. S. Cooper, has thoroughly experted the district and is exceedingly sanguine in the belief that a very extensive body of petroleum will be tapped here.

The Santa Cruz Oil company is now hauling timbers for a derrick and drilling will commence within two weeks. In the extreme southern edge of the county, contiguous to San Benito and Santa Clara, the Watsonville oil company has a well down to where the oil sands are rich and a flow is confidently expected in a few days.

Another company was organized this week. The two companies have bonded several thousand acres in the vicinity.

On the summit of the Santa Cruz mountains about five miles beyond Moody's Gulch, an experimental well has revealed oil of very light gravity at a depth of 187 feet.

Oil leases are being bought between Santa Cruz and Soquel and an air of activity and expectation pervades the district.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

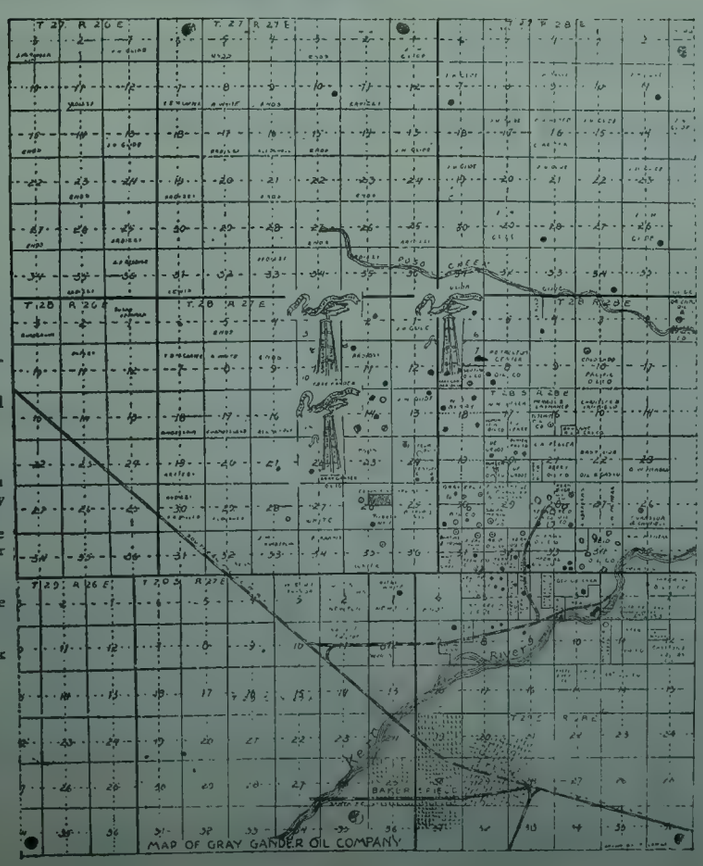
2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.



Oil Comp'ny

Incorporated under the laws of South Dakota June 21, 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street

Rooms 44 and 45, for special inducements for short time.

DECIDED BY SECRETARY.

A Ruling Which Bears on the Scripper Cases.

A decision has been received from the Secretary of the Interior, which relates to the scripper cases, as it substantially holds that discovery is essential to a mineral location.

It appears that in March, 1899, Frank Barrett filed a protest against a state selection by the State of California covering the west half and southeast quarter of section 8, township 19 south, range 15 east, M. D. M., near Oil City, in the Coalinga district, and being situated about one mile from the famous section 20. A hearing was had in the local land office in Visalia, the State of California making default and not being represented at the hearing.

The mineral claimants introduced testimony to establish the mineral character of the land, which testimony consisted of surface indications on the land, and the fact that oil has been found in paying quantities on adjoining lands.

The local officers decided the case in favor of the mineral protestants and no appeal was taken by the state, and on September 7, 1899, the commissioner of the general land office likewise decided in favor of the mineral protestants and ordered the selection of the State of California canceled.

On March 19, 1900, Wm. R. Rowland, who held a certificate of purchase from the State of California, filed his petition asking to have the case reopened, and claiming further that the evidence of the mineral protestants, even if true, was insufficient to justify the decision. Commissioner Hermann denied the application of Mr. Rowland and decided the evidence established the mineral character of the land. An appeal was taken to the Secretary of the Interior, who now reverses the decision of the commissioner, and in doing so says:

"The testimony taken at the former hearing has been examined, however, and found to be unsatisfactory. It relates exclusively to external appearances and mere surface indications upon portions of the land, and to mining operations upon adjoining lands. No discovery of mineral upon the land in question in any appreciable quantity is shown to have been made. In the opinion of the department the evidence introduced at the former hearing is not sufficient to establish the mineral character of the land and justify the rejection of the State's selection list. The decision is, therefore, vacated and set aside, and a new hearing ordered."

New Oil Car.

One of the new oil cars, which are being built at the Southern Pacific shops in Sacramento, has arrived in Bakersfield. The car is twice as large as the common tank and has a capacity of 13,000 gallons or 300 barrels. It looks very much like the whaleback boats of the Atlantic seaboard which are noted for their strength. Nearly a thousand of these will be built by the company and will be used in hauling Kern River oil.

It has a capacity of 50 tons and weighs when empty 46,000 pounds. This means a total of 146,000 pounds when filled. The car will hold twice the capacity of the ordinary oil cars. In width it takes up the entire width of the widest flat car and in height it equals that of the usual box car. It rests on a frame work heavily trussed and has a railing along the top for the convenience and safety of train men. It is of the usual cylindrical form, flattened at the bottom and is equipped with steam pipes. It will be used in the company's carrying traffic.

The Southern Pacific has recently put on two oil-burning engines on the lines running out of Oakland and they are doing good service. About eighty-five locomotives belonging to the company are now using oil and the number is constantly increasing.

Oil for Mines.

The Ray Copper company of Arizona has had considerable difficulty in securing fuel to drive its concentrator. It first had steam engines, using wood fuel, but that fuel was soon exhausted. Then gasoline engines were installed, but these have failed to give satisfaction, but now the company is coming back to steam and will use California petroleum for fuel. This is the first time the new fuel has been used in the mines, and it promises to open up a considerable increase in demand. Experiments have been making for some time in the use of petroleum for smelting, and it is believed that it will be found to be a complete success along that line.

Some idea of the immensity of the rush of business in the oil district can be formed when it is stated that the receipts of the Southern Pacific company alone at Bakersfield during the month of December, amounted to $112,000 for freight paid and tickets sold at that station.

Notice of Annual Meeting.

Notice is hereby given that the annual meeting of the stockholders of the Templore Oil company will be held at the office of said corporation, rooms 115-117 Phelan building, in the City of San Francisco, State of California, on Thursday, February 7th, 1901, at the hour of 8 P. M., for the purpose of electing directors for the ensuing year, and for the transaction of such other business a may properly come before the meeting

Transfer books will close at office of the corporation on the 26th day of January, 1901 at 5 o'clock P. M.

WILL A NEWCUM, President,
F. M PERSINGER, Secretary.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days

Write to **J H. EDSON, Secretary and Manager** **Central Bank Building, Oakland Cal**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from in dubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

The Lincoln has sold out it first block of 18,000 shares of stock at 25 cents, and is now selling a second block of 15,000 shares at 50 cents. This is going off rapidly, and when disposed of the company will offer no more stock at less than $1.00

The company will complete its first well very shortly, and when this is done the stock will advance very rapidly.

STOCK UNDERWRITTEN

OFFICE

Pacific Coast Underwriting Company
504 PARROTT BUILDING
S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

ALAMEDA.

The Livermore Oil company was incorporated in San Francisco a few days ago. This company has oil lands in Vallecitos Valley, San Benito county, Livermore valley in Alameda county and also land in Napa county. State Mineralogist Cooper and Messrs. Berg, Kearney and Pearin visited the territory in Napa and Alameda counties, which shows very favorable indications for oil. A rig will be put up at once in Livermore Valley near Central Hollow. In addition to the above named gentlemen Messrs. J. T. Greaney, H. S. Field and T. D. Boardman of San Francisco and William Palmtag of Hollister are interested in the Livermore Oil company.

COLUSA.

Gorrill No. 2 is reported to have had oil and water blown out by gas pressure.

Work on the Great Northern well has been delayed on account of the condition of the roads which would not permit coal to be hauled for the engines.

CONTRA COSTA.

The Contra Costa Oil Company has forced the casing past the lost tools and is now four feet in oil sand and still going down. It is reported that there are 35 feet of oil in the well.

GLENN.

The drill of the Glenn County Oil and Coal company is passing through some hard formations.

KING'S

The White Dove company is drilling on section 27 and is making good progress.

The Century Oil company will have three derricks up in Devil's Den in a week or two.

Several new derricks are up in the Devil's Den district and others are ordering lumber.

Rudolph Spreckels is still drilling in the Devil's Den district but as yet has not struck oil.

The Devil's Den Development Oil company has abandoned its first well, having been unable to extract a drill bit which became crossed in the hole, and have started another well six feet from the first one.

KERN

The Lincoln, 14, 28 27, reports good progress.

The Continental, 29, 28-28, is perforating its well.

On 10, 29-28, the Electric will begin drilling soon.

The Karl Brown, 23, 28-27, is now down 200 feet.

Shasta No. 3, 14, 28-27, is down 250 feet and is waiting for drilling pipe.

Euclid No. 1 is expected to be an unusually large producer.

The Chicago Crude, section 30, 28-28 has its 9⅝ casing down 1000 feet.

Casing is being shipped to the California Majestic in Sunset district.

The Del Norte Oil company is drilling on 19, 30-22.

The Black Goose is having trouble with water.

The Dabney Oil company has nine producing wells at McKittrick.

No work is being done by the Commonsense at Temblor for the present.

The Climax well at Temblor is furnishing oil for the neighboring companies.

Spudding has begun in the SE ¼ of 10 by the Henrietta.

The Bay City has made a strike in the McKittrick district.

The Sunset Diamond has a flowing well on 13, 11-24, Sunset field.

The Pittsburg on 1, 11-24 has pulled its casing and will put in drive pipe. The well is 950 feet deep.

Four leases have been executed by the Chicago Crude on section 30, 28-28, on a forty per cent. royalty.

Derricks are being put up for the Erma, 30, 28-28, and drilling will soon begin.

The Southern Pacific company has put in oil burners in its shops at Bakersfield.

About twelve cars a day are shipped from McKittrick, one-half of this being shipped by the Dabney Oil company.

Drilling is being done by the Syndicate, Vancouver, Tiber and Virginia Oil companies at McKittrick.

About half of the track-laying on the three-mile extension of the railroad at McKittrick is finished.

It is stated on the authority of the Californian that the Peerless is producing 1200 barrels daily.

Four thousand dollars an acre is the price paid by Los Angeles parties for a strip on the west side of 30, 28-28.

The Standard will put up five 3,500-barrel tanks at McKittrick. The Union Oil company is also securing rights of way in this locality.

Pacific Coast Oil and Development company will have their casing on the ground on 7, 29-28, and will commence active development work next week.

Two new tanks have been completed by the Standard Oil company and the rim of another is in place. As soon as grading is finished two more will be erected.

A working test was recently given Swan automatic drilling swivel and Swan's expansive reamer attached to a new three-quarter inch plow-steel cable recently. The test was made at the Wilson No. 2, 29-28, and is said to have given good results.

LOS ANGELES.

The Heil Oil company is drilling in its first well.

The El Moro company is down 1100 feet at Whittier with 7⅝-inch casing.

Nelson & Freeman have commenced drilling on their No. 3 and good progress is reported.

The Whittier Oil & Development company reports slow progress and that it is still having trouble with casing.

Riley Brothers are down something over 1000 feet in their well on Western avenue in Los Angeles, but are not in oil.

The Illinois Oil company, which is operating not far from the Raymond, is down something over 1000 feet.

The new derrick of the New England Oil company is in process of construction at Whittier.

The Zenith Oil company, which has had some trouble with water in its well, has now struck a formation strong enough to allow a landing where it is

Two Kinds Of Investors

There are two classes of investors. The first are those who are willing to take great chances and a risk of losing all in order to make large gains. The second are those who are satisfied with smaller profits earned regularly, while the investment is secure and absolutely protected from loss.

Investments placed with this company are always subject to withdrawal and may be turned into gold coin, dollar for dollar, when money is required.

The profits earned on investments are paid to investors each month, as earned, in cash, less a small per cent of the profit which we retain for our services. We offer investors a safe, sure and profitable method of investment and assure them guaranteed security. We receive amounts from $25 and upwards. Write to us at once for full particulars, references, etc.

FURTHER PARTICULARS WITHOUT COST.

Standard Oil Promotion & Investment Co.

INCORPORATED.

LICENSED BY UNITED STATES GOVERNMENT

575-576-577 Parrott Building = = San Francisco, Cal.

Write for Souvenir Views of California Oil Fields, Free.

A. K. Grim, Pres., Chas. E. Lloyd, Vice-Pres., F. M. Husted, Sec., Z. T. Gilpin, Treas.

PANOCHITO Oil Co.

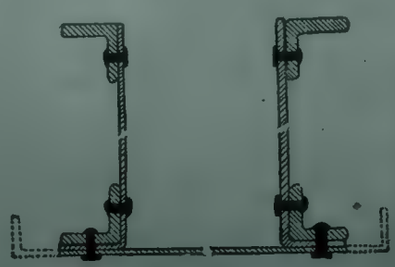
Guaranteed Non-Assessable

2400 acres best selected oil lands.
Complete Standard Rig, strictly up-to-date.
Well 500 feet, showing oil of finest quality found anywhere in the oil belt. We are offering a very attractive proposition to bona-fide investors.

For particulars address

F. M. HUSTED, Secretary.

Macdonough Building, = Oakland, Cal.



CA BUY

A Galvanized Tank

That has an angle Iron Hoop around the top and the bottom and has all the seams running up the sides to stregthen it as shown in the cut if you want to do so. Notice how the rivets pass through the bottom and side sheets and angle iron hoop and how the bend in side sheet is on inside of tank where the crack is covered n soldering. Your tinner can get the right to make them or we will make you one

J. E. BREITWISER, Inventor. - - - McKittrick, Cal.

believed the water will be shut off without difficulty.

The Palo Solo Oil company succeeded in sinking its fourteen-inch stovepipe casing to a depth of 200 feet on its new well and is now making good progress at a greater depth with 11⅝-inch casing.

Southwick & Newman have the Raymond company's well at Whittier down something over 800 feet. They are still in the adobe formation.

The Whittier Crude Oil company will soon begin the derrick for No. 6. They are also deepening No. 1, being down over 600 feet with 11⅝ casing.

Shirley & McCray are making rapid progress with the well near the entrance to Savage canyon near Whittier, being down now between 500 and 600 feet.

On the Meadow Brook ranch on the extension of Wilshire boulevard, Los Angeles, Lacey and company have a rig completed and are drilling.

Gilbert, Clark & Armstrong are building a rig on the extension of First steeet, directly south of the Sterling Oil company.

The monthly output from the Whittier field is now estimated at between thirty thousand and thirty-five thousand barrels.

The Los Angeles City Oil company's well in the western field is being drilled deeper. The company has not succeeded in getting the well to pumping, as the hole clogs up.

The Graves well on the west side is being drilled in 11⅝-inch casing. An attempt to put in 9⅝ casing at a depth of 500 feet showed the company it had a crooked hole.

Well No. 3 of the Turner Oil company is being pumped at a depth of something over 1200 feet, and is producing about 125 barrels per day.

The Standard Oil company continues its extensive operations without abatement. Three wells are now in process of being drilled, while a fourth is being deepened.

Work will soon be begun on No. 12, by the Home company of Whittier.

The Southland Oil company, composed partly of Whittier men, and operating near Fillmore, has taken its rig to Los Angeles and will drill on twenty-one acres between Los Angeles and Santa Monica.

El Moro company has the water entirely shut off now and is down over one thousand feet. It is using its third string of casing at present.

The Union Oil company has been obliged to add a new pump to its plant in Worsham canyon, an addition made necessary by unexpectedly large business.

The Pearl Oil company has just closed a contract for drilling its first oil well and work will be commenced this week.

Over in Placerita canyon the Pioneer White Oil company is down 1000 feet but has not yet shut off a flow of water which was encountered at a depth of about 600 feet.

The New Century Oil company's No. 2 is down about 1100 feet and is in the same formation as was found in its No. 1. The oil sand is expected to be reached within the next 200 feet.

The Iola Oil company is still in the burnt formation, which was last reported and near which the white oil is supposed to lie.

The P. C. O. company, or, more strictly, the Standard Oil company, it is said, will make some sweeping changes in the personnel of the working forces in Pico and Elsmere canyons. The heads of the departments will be put in the hands of Eastern men. Already Mr. Shyrock, superintendent of the Elsmere lease has resigned his position and taken charge of another Newhall property.

Drillers on the Shirley well, at the utmost limit of the Belmont grounds oil territory, have succeeded in overcoming the crook in the hole, and oil is appearing in the sand pump. When the rig was set up the wise ones claimed that Shirley was some fifteen feet over the line, but it seems that they were mistaken.

MONTEREY.

The Monterey is now in bearing oil sand at about 800 feet.

The Normal will be drilling within twenty days. This is the first of the four sub-companies of the Great American.

The Nacimiento Oil company, a Los Angeles corporation, shipped materials for derrick and rig this week.

The Monterey Oil company, the Salinas Oil company, the Great American, and the Tomboy, are now drilling in the southern end of Monterey county, on the land reported by A. S. Cooper as giving most favorable indications for oil.

ORANGE.

The Fullerton Consolidated company has completed a new rig, and has it in position for drilling.

The Fullerton-Piru company, on section 49 west, near the Graham & Loftus camp, will soon commence its first well.

A close corporation has been organized in Santa Ana to drill a well on property just west of the Carbon Canyon company's lease.

The Union Oil company is building another rig on the Bastanchury ranch, where it already has one well under way and two on the pump producing about forty barrels daily.

There is a scarcity of tank cars in the Fullerton field at the present time.

The Producers' Petroleum company is preparing to drill on its La Habra property, near the strike.

When the drillers went to work on the Menges Oil company's well on Monday of last week, the oil was seventy feet deep in the well.

The Columbia Oil company has sold its output for this year to the Standard Oil company, and not to the Union Oil company, as was given out two weeks ago.

The International Oil company has decided to drill a new well on the Bastanchury ranch, about one mile north of the abandoned well drilled last year, in which was struck oil strata and a lot of gas. The new well will be a half mile south of the Standard Crude well.

The Puente Oil company's well on the Grazida lease is now down over 1200 feet with a good showing of oil, and the drillers expect to have it ready for the drill by February 1st. The new well near the company's shops was down 600 feet Monday, having been sunk to this depth in one week.

SANTA BARBARA.

Titus Duncan is having a 1000-barrel storage tank erected on his property on the beach.

The second new storage tank of the Marine Oil company, with a capacity of 700 barrels, was finished this week.

At the Sunset plant, No. 22 and 23 were perforated this week and show up well. No. 24 is down 325 feet.

The first well to be put down by the Diamond Star company since assuming control of the Churchill property, was completed this week at a depth of 268 feet, thirty-one feet of rich sand carrying the usual high gravity oil.

The two drilling rigs on the wharves of the Duquesne Oil company have been delayed, the past week on account of the non-arrival of casing, but a carload arrived Thursday and work has been resumed.

The men working on the C. V. Hall lease on the Guiterrez place at Rincon, in the Carpinteria valley, on Tuesday struck what is thought to be a paying stratum of oil sand at a depth of 1150 feet. The sand pump is bringing up some very rich sand and it is stated the oil rose over one hundred feet in the casing.

SANTA CRUZ.

Wempe & Hall have leased 400 acres of the Sargent tract and will begin operations at once.

The Los Angeles company operating near Chittenden's are making headway.

The hole of the Watsonville Oil company on the Sargent tract near Chittenden's is down 600 feet with some oil. A good flow is expected at 1000 feet.

SAN LUIS OBISPO.

The Great American Oil company is now drilling its first well on 2, 25-10, on the edge of Monterey county. The well is down 110 feet, the drill being in clay It is expected to strike the first oil sand at about 200 feet.

SHASTA.

A force of men is putting up the seventy-four foot derrick of the Shasta Consolidated and drilling will begin soon.

Certain sections of land have been located for oil development by five different claimants for the same ground.

During the past two months it is estimated that no less than 600 locations of petroleum placer claims have been filed with the county recorder, and the number is still increasing.

SAN BENITO.

The Ashurst Oil company is making good progress drilling.

The San Benito County Oil company has drilled about 820 feet.

The Dirigo company have their rig in position on the Tully land.

The Hamiltonian Oil company, operating in the Vallecitos is making rapid progress.

The Dos Palos Oil company expect to begin work in February with a standard rig.

George Derry, driller of the World Oil company, feels confident that he will soon strike a good supply of oil.

The buildings, tank and water pipe of the Hollister Petroleum Development company are on the ground and a derrick will soon be erected and actual drilling commenced.

A test hole was bored to a depth of 129 feet for the Star Anticline company with the following log: 1 to 3 feet, soil; 3 to 8 feet, oil sand; 8 to 45 feet, mixed shale and oil sand; 45 to 51 feet, oil sand of a good quality; 51 to 129 feet, shale; good formation. Struck main ledge of oil sand at 129 feet with strong odor of oil. The locators are confident that the main ledge has been discovered and a few hundred feet will produce a quantity of the high grade oil. Active operations will be continued.

VENTURA.

The Union Oil company is preparing to sink a water well to supply the ever increasing demand for water at Torrey.

The Buckhorn Oil and Transportation company's well No. 16 is down over 800 feet, with a big showing of oil, and No. 15 has been tubed with three-inch tubing, and a three-inch pump is being used in place of the two-inch barrels.

Drilling on the Sunset lease will be somewhat delayed on account of the road in Hopper canyon being almost completely washed out by the last rain.

The Southern Pacific well No. 1 on the Dunn ranch, is down over 1100 feet.

The Bradley Oil company has a new derrick up on their lease east of Fillmore and will commence drilling immediately.

The Bardsdale Crude Oil company has just completed a good well on the Bookout place and will commence pumping this week.

Party who has half a carload of casing for Bakersfield desires to find some one who will use rest of car. Call at 209, Hearst Building.

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LATE KERN NEWS.

The Thistle will soon drill on the NW¼, 24, 28-28.

No. 4 of the Continental has been finished in thirty days, and is expected to be a 250-barrel well.

San Francisco parties are reported to have paid $5,000 an acre or $100,000 for twenty acres belonging to the Graves Oil company on 29, 28-28.

The Mutual of Los Angeles has leased ten acres in 4, 29-28 from the Wilson Oil company and will begin drilling soon.

The San Francisco-McKittrick has been using drive pipe in place of ordinary casing in their new hole with good results. They have reached a depth of 800 feet.

The McKittrick Oil company, although perforated for thirty feet of its 200 feet of sand, is considered a 100-barrel well

The Navajo and Western Minerals are expected to yield about fifty barrels a day each.

The Gold Dollar has a showing in the Sunset district.

The Midway of Oregon and the Transfer are down several hundred feet in the Midway district.

The Sunset district has proven territory a mile wide and nearly five miles in length.

The injunction in re F. F. Cook, A. L. Cook et al vs. Dr. Potts, the Vesuvius Oil company, et al has been dissolved, and the company will be permitted to resume development of its property in 12, 11-24

Oil Companies Incorporated

[illegible]

Los Angeles Asphaltic Works. Principal place of business, Los Angeles. Directors—K M Clark, G T Berry of Los Angeles, T Spratley of Bakersfield, S C Peck of Pasadena and T C Fraser of Toledo, O. Capital stock $[illegible], subscribed $[illegible]

Silver King Oil company. Principal place of business, Los Angeles. Directors—G E Hart, M K Young, J R Osborn, J L Lively and J Newberry of Los Angeles. Capital stock $[illegible], subscribed $[illegible]

M K and T Oil company. Principal place of business, Oakland. Directors—O P Spaulding, D M DeLong of San Francisco, H J Rausch, E J Brown of Oakland and G D Metcalf of Berkeley. Capital stock $[illegible], subscribed $[illegible]

Devil's Gate Oil and Mining company. Principal place of business, Vacaville. Directors—R Barcat, T Pleasants, J N Rogers, V V Apperson, R H Platt, G W Crystal and F B McKevitt of Vacaville. Capital stock $1,000,000, subscribed $[illegible]

Premier Oil company. Principal place of business, Vacaville. Directors—L H Petterson, E E McFarland, C H Neilsen, E H McMillen and E O Clayton of Vacaville. Capital stock $1,000,000, subscribed $50,000.

Bequette Oil company. Principal place of business, Visalia. Directors—P Bequette, H D Bequette, S G Patrick, N O Bradley of Visalia, and L L Bequette of Los Angeles. Capital stock $3,000, fully subscribed

Press Oil company. Principal place of business, Bakersfield. Directors—J Redlick, E A McGee, F G Colton, C P Fox and L W Lowell of Bakersfield. Capital stock $50,000, subscribed $25.

Thistle Oil company. Principal place of business, Stockton. Directors—A K Percival, J McCormack, F S Boggs, J A Louttit of Stockton, and W H Shafer of Bakersfield. Capital stock, $[illegible]

[illegible] Principal place of business, Bakersfield. Directors—R L Price, [illegible] J W Kinsey, W B Lewis of Bakersfield, L A Wilson of Los Angeles. Capital stock $[illegible]

Twenty Three Oil company. Principal place of business, San Francisco. Directors—[illegible] P D Kahn, C A Ross, H A [illegible] and [illegible] Wall of San Francisco. Capital stock $[illegible], subscribed $[illegible]

Vancouver Oil company. Principal place of business, Bakersfield. Directors—W M Spencer, W Perry, W H Perry, [illegible] Selby, J B [illegible], [illegible] Stokane, Wash., and J [illegible] of San Francisco. Capital stock $[illegible], subscribed $35

Mount State Oil company. Principal place of business, San Francisco. Directors, J H Cutter, A T Thane, J L Gaffey, J W McNeil, J P Rothwell of San Francisco. Capital stock $20,000, subscribed $[illegible]

NOTICE OF ASSESSMENT

CONTRA COSTA OIL & PETROLEUM COMPANY. Location of principal place of business, San Francisco, California. Location of works, Contra Costa County, California

Notice is hereby given that at a meeting of the Board of Directors, held on the 21st day of January, 1901, an assessment [No. 1] of one [1] cent per share was levied upon the Capital Stock of the Corporation, payable immediately in United States gold coin, to the Secretary, at the office of the Company, Room 312, Examiner [Hearst] Building, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 23rd day of February, 1901, will be delinquent, and advertised for sale at public auction; and unless payment is made before, will be sold on TUESDAY, the 12th day of March, 1901, to pay the delinquent assessment, together with the cost of advertising and expenses of sale.

By order of the Board of Directors.

FRANK McGOWAN, Secretary.

Office, Examiner [Hearst] Building, Room 312, San Francisco, California.

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1900-1901

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A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famoso Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

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Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, January 30.

AMERICAN FUEL.

400 at	26	104 00

ÆTNA.

300 at	47	141 00
500 at	49	245 00
100 at	46	46 00
1300 at	43	559 00
1000 at	41	410 00
800 at	39	312 00
1300 at	45	585 00
1700 at	48	330 0
3700 at	40	1480 0
800 at	36	282 00
3500 at	38	1330 00
300 at	42	86 00

BEAR FLAG.

300 at	46	138 00
400 at	48	192 00
200 at	47	94 00
1300 at	45	585 00

BLACK JACK.

100 at	1 50	150 00

CONTINENTAL

50 at	1 05	52 50

CALIFORNIA STANDARD.

1200 at	37	444 00
3000 at	38	1140 00
200 at	28	56 00

CARIBOU.

100 at	52	52 00
200 at	55	110 00
100 at	61	61 00
100 at	62	62 00
1000 at	65	650 00
400 at	54	216 00
1100 at	60	660 00
220 at	59	129 80
10 at	64	6 40
100 at	69	69 00
600 at	70	420 00

BLUE GOOSE.

20 at	2 25	45 00

EL DORADO.

450 at	1 80	810 00

FOUR OIL CO.

1000(S90)at	54	540 00
2000 at	53	1060 00
500 (S 30)at	54	270 00
1200 at	54	648 00
758 at	56	434 48
3458 at	55	1901 90

HOME OIL.

216⅔ at	4 05	877 50
945 at	4 10	3774 50
355 at	4 15	1473 25

HANFORD.

1 at	118 00	118 00
2 at	117 00	234 00
5 at	120 00	600 00
1 at	121 00	121 00
5 at	123 00	615 00

HANFORD-FRESNO-KERN RIVER.

300 at	35	105 00
1800 at	38	684 40
1100 at	37	407 00

INDEPENDENCE.

600 at	19	114 00
1200 at	20	240 00
600 at	21	126 00

JUNCTION.

200 at	93	186 00
950 at	94	893 00
1200 at	95	1140 00
800 at	92	736 00
2150 at	90	1935 00
1400 at	91	1274 00
100 at	87	87 00
400 at	88	342 00
200 at	89	178 00

KERN RIVER.

50 at	16 25	812 50
40 at	17 50	700 00
20 at	18 00	360 00
100 at	17 75	1775 00
10 at	18 50	185 00
125 at	16 50	2162 50

KERN OIL CO.

10 at	12 85	128 50
20 at	11 87 1-2	237 50
50 at	12 25	612 50
370 at	12 00	4440 00
300 at	11 75	3525 00

LION.

100 at	26	26 00
1000 (B60) at	26	260 00
1000 at	50	500 00
5200 at	25	1300 00
2950 at	24	708 00

McKITTRICK

67 at	33	22 11
600 at	36	216 00

LOS ANGELES O. & T. CO.

20 at	4 00	80 00

McKITTRICK CONSOLIDATED.

200 at	18	36 00
410 at	20	154 00

MONARCH OF ARIZONA.

9465 at	85	9045 25
1900 at	83	1587 00
4200 at	84	3528 40
681 at	82	598 42
500 (B 60) at	83	255 00
200 at	81	162 00
500(B60)at	82	410 00
210 at	80	168 00
600(B60) at	86	516 00
500(B60) at	84	420 00
200(B90)at	87	174 00
300 at	86	258 00

MONTE CRISTO.

50 at	2 30	115 00
200 at	2 35	470 00
200 at	2 40	480 00
425 at	2 50	1062 50
100(S90)at	2 50	250 00
200(S30)at	2 50	500 00
50 at	2 60	130 00
450 at	2 45	1102 50

OCCIDENTAL OF W. VA.

500 at	65	325 00
200 at	73	146 00
1800 at	80	1440 00
70 at	77	53 90
100 at	87	87 0
100 at	78	78 00
100 at	76	76 00
750 at	75	562 50

OIL CITY PET.

15 at	34 50	517 50
35 at	35 00	865 00

PEERLESS.

20 at	8 75	175 00
50 at	8 37½	418 75
570 at	8 50	4845 00

PETROLEUM CENTER.

7545 at	25	1886 25
23350 at	24	5600 00

PITTSBURG.

200 at	40	80 00
550 at	45	247 50

QUEEN ESTHER.

1000 at	63	630 00

REED CRUDE.

200 at	62	124 00
500 at	67	335 00
3800 at	65	2470 00
5300 at	66	6794 00
2100 at	64	1344 00
300 at	68	204 00

SHAMROCK.

100 at	90	90 00

SENATOR

200 at	2 35	570 00

STERLING

100 at	3 45	345 00
400(B 5) at	3 40	1360 00
200(B30)at	3 50	700 00
200(B 30) at	3 45	690 00
850 at	3 40	2890 00
500 at	3 35	1675 00

SUNSET (ORIGINAL)

100 at	30	30 00

SAN JOAQUIN

50 at	12 50	625 00
50 at	12 87 1-2	643 75
750 at	12 75	8287 50
595 at	13 00	7235 00

THIRTY-THREE.

200 at	12 50	2550 00
100 at	13 50	1350 00
150 at	12 75	1912 50
285 at	12 25	3491 25

TWENTY-EIGHT

200 at	2 30	460 00
100 at	2 27½	227 50
100 at	2 25	225 00

WEST LAKE

500 at	23	115 00
1000 at	22	220 00

WOLVERINE.

500 at	1 50	750 00
200 at	1 65	330 00
800 at	1 60	1280 00
150 at	1 67½	251 25

YUKON.

400 at	58	232 00
2000 at	55	1100 00
500 at	59	295 00

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GAS IN TEHAMA.

State Mineralogist Explains Some Natural Phenomena.

Up in Tehama county, well towards the head of the Sacramento valley, there is a field displaying remarkable and interesting evidences of a large volume of natural gas with good indications of the existence of petroleum below it, which has just been investigated and reported upon by State Mineralogist A. S. Cooper for the Corning Oil & Gas company, a local corporation which is about to begin drilling a well.

The account of this field given by Mr. Cooper is another illustration of the great variety of conditions under which petroleum is found in California and of the oil possibilities of the Sacramento valley to various parts of which attention is now actively turning

The locality is the neighborhood of section 30, township 23 north, range 40 west, in the southern part of the county, fifteen miles west of the Sacramento river, and eight miles west of Orland. It is in the lowest of the Coast range foothills and where strata underlying the valley first outcrop through the alluvium. The phenomena described by Mr. Cooper are displayed over an area of about four square miles, in a well settled, slightly rolling farming region.

In many parts of this area natural gas flows out of shallow wells or excavations of any kind and sometimes even post holes are gas wells. When this gas is allowed to flow out through a pipe it will burn with a strong, luminous flame, the flame sometimes being six feet high. When it becomes mixed with the proper proportion of air it will explode and many sets of whiskers have so been scorched in that agricultural gas field through the years since settlement. When people dig holes in the ground up there the sign "no smoking" is understood.

"The following phenomena have been observed in shallow wells bored in this district; air issues from the wells for a short time followed by carbureted hydrogen gas. The flow of the gas continues for several days, then ceases and air is sucked into the wells for several days. This cycle of changes is being continuously repeated. Wells about a half-mile apart act nearly in unison as to flow of gas and the suction of air."

The explanation involves the geological structure of the region which is covered deeply by alluvium and beds of clay and gravel, except along a creek, to the west where the underlying strata outcrop, affording a key to the geological problem. The underlying strata are alternating beds of sandstones and shales as shown in the accompanying diagrams by Mr.

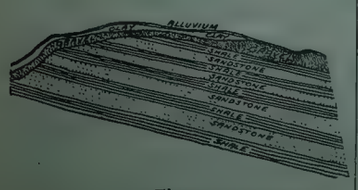

Fig. 1

Cooper. They are tilted to the east at about twelve degrees an probably flatten out under the valley. In some parts of the field the surface displays only a sheet of basalt, often fifty or sixty feet thick, and in other places this basalt lies under the recent alluvium. This basalt is a volcanic rock and according to Mr. Cooper it must have come from volcanic eruptions to the east. He states that the strata were tilted with the basalt, after the latter was spread out over them. Possibly it came from Mount Lassen in the Sierra Nevadas and marks one of the farthest westward flows of the lavas that in a former age overflowed so much of the northeastern part of the state. "Down hill" must thus have been to the westward here at that time.

The natural gas comes from these tilted sandstones and finds its way somehow, through fissures probably, up through the hard encasing shales to the alluvium above which it permeated and where a hole will favor its exit. Where it comes from and how far, it will take drills to reveal.

Mr. Cooper explains the intermittent flow on the following theory:

"Meteoric water flowing from higher altitudes down permeable strata obstructs the ascent of the

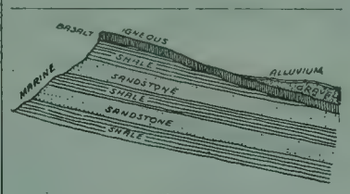

Fig. 2

gas and the gas then accumulated below until it acquires sufficient tension to break through and scatter the water. The gas then flows through the permeable strata into the gravel beds and from the gravel beds into the wells. After the force of the gas is decreased sufficiently, the water again flows down the permeable strata and by this action sucks air into the porous strata. The air is ejected from the wells in advance of the gas flow.

"After a heavy rainfall the period of the flow of gas is shortened and the period of inactivity increased, showing that a larger volume of water than that which flows in the summer time is flowing down the permeable strata and obstructing the flow of gas."

"The flow of gas must be very large," says Mr. Cooper in his report, "as it has been observed over an area of several square miles. As natural gas is produced by the decomposition of petroleum, oil must exist somewhere in this formation, but it may ascend through permeable strata or be carried in solution by water for a long distance.

"In consideration of these geological conditions it is probable that petroleum oil may be obtained through wells drilled in this district. I regard it as almost a certainty that natural gas will be obtained in large quantity."

Mr. Cooper urges the keeping of a perfect log during drilling that further judgments may be made and this should be the careful practice in drilling oil wells generally. A 14-inch well will be started in this field very soon. This natural gas has of course been a familiar thing to people there for many years but here, as in so many other places, the surface indications brought no attempts to search the earth.

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LOS ANGELES EXCHANGE

Week's Fluctuations in Oil Securities.

Stock trading on the Los Angeles Exchange has not been as brisk during the past week as during preceding weeks. A total of 67,910 shares went through the clearing house which is a considerable decrease in the number of shares handled during the previous seven days, although the amount of money involved in the transactions was greater in proportion to the number of shares bought and sold. Reed Crude has made a steady decline, going from 70c down to 65c which is the current asking price. The tendency seems toward a further decline although it is doubtful if it will reach a much lower level. Westlake has also been on the toboggan. The ruling price for this stock during the past week has been 26c to 26½c. On Monday a week ago immediately after the meeting of the stockholders of this corporation, considerable of the stock was thrown on the market in consequence of which the price fell from 25c to 20½c. This proved to be low-water mark and the stock has made a slow recovery since having regained about three points. Continental is still in good demand at par with very little to be had at less than $1.10 and from that to $1.25. Globe remains active and has shown an advance of a couple of points over the market a week ago. Home remains inactive being quoted at $4.30 with no takers. Alpha has been on the down grade and while there is but little of this stock on the market the price steadily declines. Wilson is again in demand on the board although it was kicked about indifferently a couple of months ago at from 17c to 20c it now commands 50c and over with little in sight at less than 60c. Southern Consolidated meets with a better market at a slight advance. Central holds firm at about $1.20, the drop being due to the increase of the capital stock of the corporation.

The market has not been entirely satisfactory and although some appreciable gains have been made in certain securities general prices have not been as good as might have been expected.

Unlisted stocks are bought and sold in considerable volume off the exchange, some of the better Sunset companies being the greatest favorites among speculators. The strike of the Sunset Consolidated Oil company has had the effect of raising this stock a couple of points and increasing the demand for it.

Mining stocks were called for the first time on the exchange during the past week but as yet no trading to speak of has been done and it is too early to predict how great an amount of business in such stock will find its way to the exchange.

Trade and Travel.

The use of crude oil on engines is causing the delay of trains very often. There are occasions when the oil refuses to flow, with the result that the fires under the boilers die out. Evidently improvements in burners are needed.

The report in Hanford is that there will soon be a new Coalinga train on the Southern Pacific. The Coalinga trade, both in freight and passenger line, has been so extensive that one tends to conflict with the other, and the proposition, as reported, is to run a passenger train daily between Bakersfield and Coalinga. The train will probably make an extra trip between Lemoore and Goshen during the day, but the time card will be so arranged as to remain in Kern city over night. Besides the regular passenger train there will be a freight train between Hanford and Coalinga, hauling all the oil from the west side. The new time card will probably go into effect about the middle of February.

E. J. Fox, who has charge of the business of R. H. Herron & company at Hanford and at Coalinga, has removed to the latter place where he will reside permanently. The company's business can be handled by an agent located at the oil fields and it has had a large new building erected at Coalinga to contain its goods. All the supplies formerly carried at Hanford have been removed to Coalinga.

Scientific Notes.

In a gas engine with diameter of piston 2 inches, stroke 2½ inches, clearance in cylinder equal to one-half the volume swept through by the piston, to give proper compression, the weight of the flywheel, if 15 inches in diameter, should be 113 pounds; if 20 inches, 63½ pounds.

A 10-brake horse power gas engine will consume about 3700 cubic feet air per hour. The exhaust would better be piped from the engine out of the mine. Under ordinarily intelligent management there should be no danger from fire.

High economy may be obtained with almost any type of boiler if the furnace is of a kind adapted to burn the fuel thoroughly, and if the gas passages are arranged so as to avoid short circuiting. The highest efficiency practically attainable with a properly designed furnace and boiler is about 75 per cent; 55 per cent is probably a fair average efficiency for all boilers in use.

The cost of a diamond drill plant to bore 1200 feet would probably be about $5000; the cost of working should be under $4 per foot. According to statistics from various parts of the United States, the cost of boring twelve holes from 200 to 600 feet in length each, totaling 5957 feet, is $14,839.62, or $2.49 per foot. This includes labor, superintendence, bits, repair, water, extras, freight, travelling and carbons. In northwestern Michigan, two holes totaling 634 feet, two 360, six 1340, two 611, six 1091, or eighteen holes totaling 5048 feet, cost $2.60 per foot in very hard ground. In Colorado 566 feet were bored at 44 cents per foot. The cost depends a good deal on the length of standpipe used and other local differences.

It is reported that the Soquel Canyon Oil company has decided to abandon its well, work on which was suspended some time ago. The hole was down 1000 feet, and indications were good but a heavy volume of water interfered with operations.

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Nearest to San Francisco.

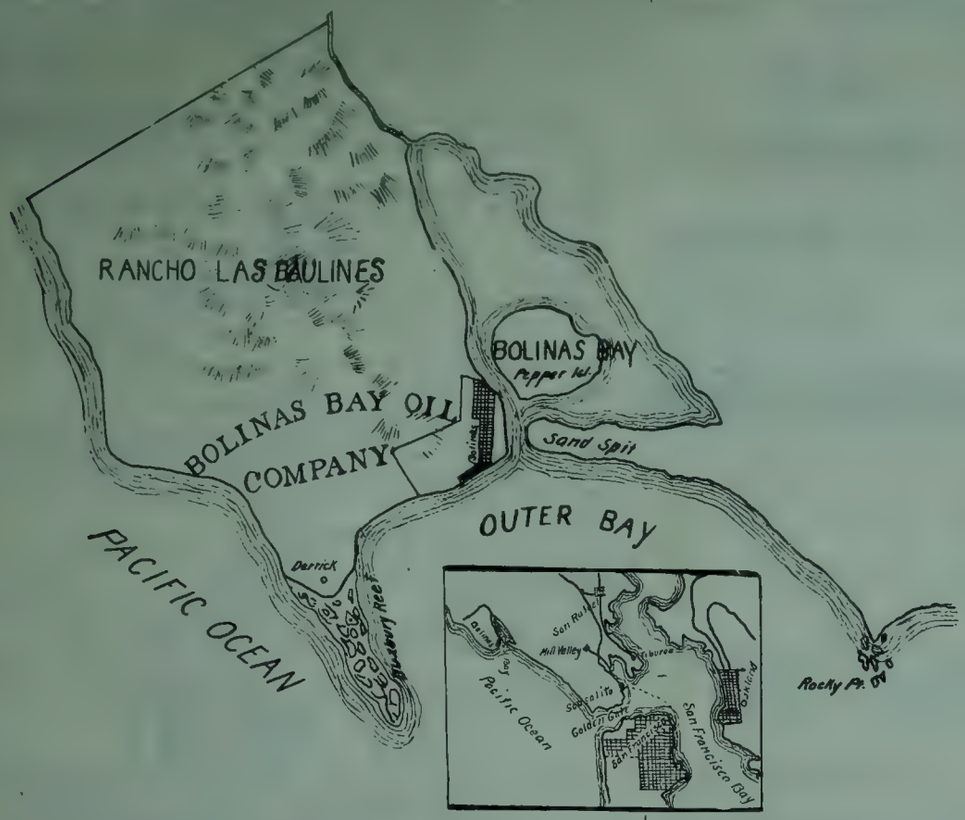
The location of the oil lands at Bolinas Bay, Marin county, only twelve miles from the Heads, makes this property the nearest in location of all the exploration work done in the state. The small map shows the location of the new territory in its relation to San Francisco, with the present land route via Sausalito and Mill Valley. On the large map is Duxbury Reef, where the most promising oil indications have been found. The reef is near the center of a belt about two miles in width, with indications extending from the Outer Bay for some distance along the Coast. The derrick of the company exploiting this property is located on the bluff at the head of the reef, on a site which had been selected by several other prospectors who vainly attempted to secure leases on the property.

[Special Correspondence.]

Nestling close by its quiet little harbor, surrounded by some of the grandest scenery to be found in the vicinity of the Metropolitan, in the midst of the most beautiful mountain and marine views, this "Sleepy Hollow" seems about to awaken from its long slumber and become one of the busy haunts of men.

The numerous exposures of oil sand, asphaltum, bitumen, shale, escaping natural gas and other indications have attracted the attention of men and of capital and enterprise and work is already begun by two companies. The location of the first well of the Bolinas Bay Oil company is about a mile from the village Drilling was begun on the 14th inst and is going on double tour night and day, the hole now being down 200 feet.

A few miles beyond, the Sherman company (unincorporated) will begin drilling in three days. If oil is discovered here in paying quantities it will prove a profitable investment on account of the cheapness of transportation. While the oil men of the San Joaquin valley are subjected to a freight tariff of from 40 to 50 cents per barrel a few cents will land a barrel of oil from the place in the San Francisco markets in less than two hours.



A number of new rigs are going up in different parts of the Los Angeles field.

MUST PLUG WATER-WELLS.

A Bill Introduced to Benefit Oil Men.

Last Friday a bill was introduced into the Assembly by Chandler of Fresno, which is intended to put a check on careless oil men who leave water wells open. It reads as follows:

"To add a new section to the Penal Code to be known as section 625 1-2, in relation to the plugging of water producing wells made in territory producing oil.

"Section 1. A new section is hereby added to the Penal Code to be numbered 625 1-2, and to read as follows: 625 1-2. All owners, operators and lessees of oil lands, claims or wells within the State of California shall in a successful manner plug all their wells in which there is or has been any water at a proper depth, with wood or sediment or both, in a manner sufficient to exclude all water from the oil-bearing rock or sand, either while the well is being operated or after the same has been abandoned.

"Section 2. Any well which allows water to enter oil-bearing rock or sand, either from above or from below such oil sand, and is not plugged in accordance with section 1 of this act is hereby declared to be a public nuisance.

"Section 3. Any person violating any of the provisions of this act may be proceeded against by any one owning or operating oil lands or wells adjoining, or in the same neighborhood.

"Such action may be brought in any court having competent jurisdiction in the county in which said well is located, and shall upon conviction be fined for each offense not less than $500, nor more than $5000, or may be imprisoned for a period not to exceed one year, or both.

"There shall also, upon conviction had, in addition to such fine, be taxed against such party the cost of prosecution and the abating of the nuisance by the filling of the well or wells.

"Such fine and costs may be collected as in other criminal cases.

California Oil Literature.

We must certainly congratulate our California contemporaries in the way of journalistic enterprise. The PACIFIC OIL REPORTER has an excently illustrated and most interesting Christmas number, while the Oil edition of the Los Angeles Herald is really a gigantic undertaking, and to both of which we shall no doubt refer again.—Petroleum Review, London.

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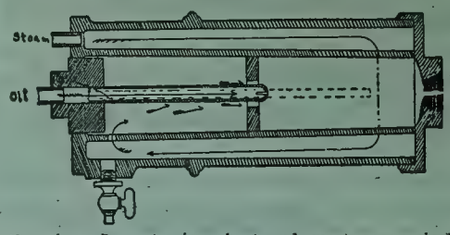

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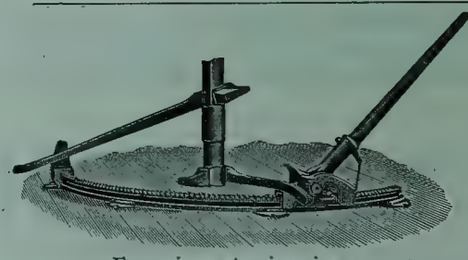

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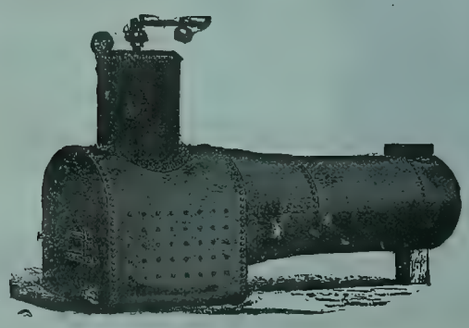

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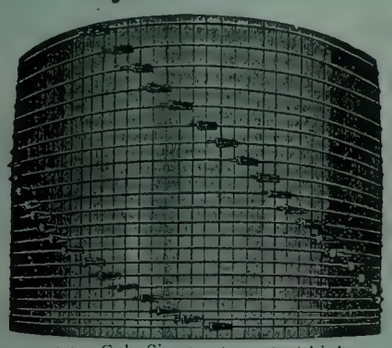

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500,000 shares at $1.00 per share
Location of lands. Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice-president and manager, N. Hawthorne Spitzer, secretary and treasurer, A. W. Gale, superintendent of construction.
Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal

EQUITABLE OIL CO.
Capital..... $500,000
100,000 shares at $5.
Location: Kern county: Southwest ¼ of section township 25 south, range 17 east, M D M.
Officers: Chas Bone, president; J H Sayre, secretary; Eugene de Sabla, M A Christesen and R CAtkins.
Office 405 Montgomery street, room

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Abro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. ice 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... .... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 9 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W, B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital..... ..... $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

HERCULES Oil CO.
Capital $100,000.—100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District, Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Flagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INTER NOS OIL & DEVELOPMENT CO
Capital..... .....$400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

M. C. Nunan, President. M. L. Culver, Sec. Daniel Meyer, Trs.

Write for Prospectus of the

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565-566 Parrott Bldg. San Francisco

GREAL NORTHERN OIL CO. OF OAKLAND
Capital..... .....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, Presidont, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GRAND PACIFIC OIL CO.
Capital..... $1,500.000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

GOLDEN REWARD OIL & DEV. CO
Capital..... .....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
Officers—J A Hu'sz president and manager, M L Perry, vice president, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, M L Perry, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, Charles Tibbetts Edwin W Woodward, Special Agent, 11½ Montgomery street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 80 acres in Sunset district. Directors—Dr. A. S. Cook, M. F. Cochrane D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice-president, D. S. Stanley, second vice-president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

MADERA CRUDE OIL CO
Capital.....$100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, we st, S B B and M, Sunset district.
Officers and Directors: W C; Tighe, president; Joe Bancroft, vice-president J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Mason icTemple Building. adera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton. treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10. 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire. Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

OCEANSIDE OIL COMPANY OF ARIZONA
Capital.....$375,000
375,000 shares at $100 each.
Location ; 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors: F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL, CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

PETROLEUM CENTER OIL CO
Capital.....$500,000
500.000 shares at $1.00
Incorporated, October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-Pesident, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland.
Office—Room 29, Third floor, Mills building, San Francisco

POINT RICHMOND OIL, COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telepheno, Main 1765.

REX CRUDE OIL, COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Eeston vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco, Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E, first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett, attorney, San Francisco. M Boehm, W H Eastman, D G Dexter. Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE

Capital.....$500,000
500,000 shares, par value, $1.

Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east, west half section 7, township 15 south, range 10, east

Officers and Directors—H W Conkling, president Allen Brant, vice-president D A Porter secretary, C A Bothwell, treasurer, J C Conkling S H Langford, J C Griffith and C H Field

Brant and Brown, attorneys.

Office: Room 1, 84 S First st, San Jose, Cal

SOLANO OIL AND DEVELOPMENT CO

Incorporated under the laws of the state of Arizona, October 3, 1900

Capital stock, 200,000 shares, valued at $1 per share, or $200,000.

Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.

Officers: I Freeman president, Max Kahn vice-president, M M Kahn secretary Hugo D Newhouse, attorney

Depository: First National Bank of San Francisco

Safe Deposit Vaults, Union Trust company, San Francisco, Cal

Directors, E. Pander, M M Kahn, Max Kahn W D Newhouse, B Heyman, Arizona Representative, I Freeman Office, 1327 and, 1329 Market street, San Francisco

SUNSET VORTEX OIL COMPANY

Capital.....$500,000
500,000 shares, at $1 00 each.

Incorporated, July 31, 1900.

Land, 290 acres, in Sunset and Kettleman Districts

Officers and directors—Ambrose Harris, secretary; Tyree A Bell, superintendent, John L Greer, San Rafael, W B Taylor, San Rafael, D C Campbell, Los Angeles, A H Brod, Paul Redfield Lewis, L Barrere, San Francisco, H L Gear, Frank N Stone, attorneys, Germania Trust Company, treasurer.

Offices 611 612 613 Hearst Bldg, San Francisco.

SURETY OIL COMPANY

Capital.....$600,000
600,000 shares par value $1.00 each.

Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district

Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.

Farmers and Merchants Banks, depository.

Office, 102 Henne Block, Los Angeles, Calif

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THE RAVENOIL COMPANY,

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch. Bank of Bakersfield treasurer.

San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

THREE STATES OIL, CO Limited.

Capital.....$1,000,000
1,000,000 shares at $1.

Location: 240 acres in McKittrick and Sunset Districts, Kern county.

Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Oon E P Colgan, I N Puttison, M F Levy

Office—612 Examiner Building.

U. S. OIL, AND MINING CO.

Capital.....$300,000.
Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL, CO,

Capital.....$500,000
100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone—Main 671

XLNT OIL COMPANY.

Capital stock.....$500,000
500,000 shares, par value, $1 per share.

Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M

Office--- 552 Parrott building, San Francisco, Cal

YUKON CRUDE OIL CO.

Capital.....$250,000
100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. S Sumner and Geo W Henderson.

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JOSEPH EASTWOOD, Proprietor.

Oil Well Drilling and Fishing Tools

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A very excellent speculation. Will sell at 15 cents per share.

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MAP SHOWING LANDS OF

DIAMOND OIL CO

Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R. F. MORTON C.E.

Scale of Chains — Scale of Miles

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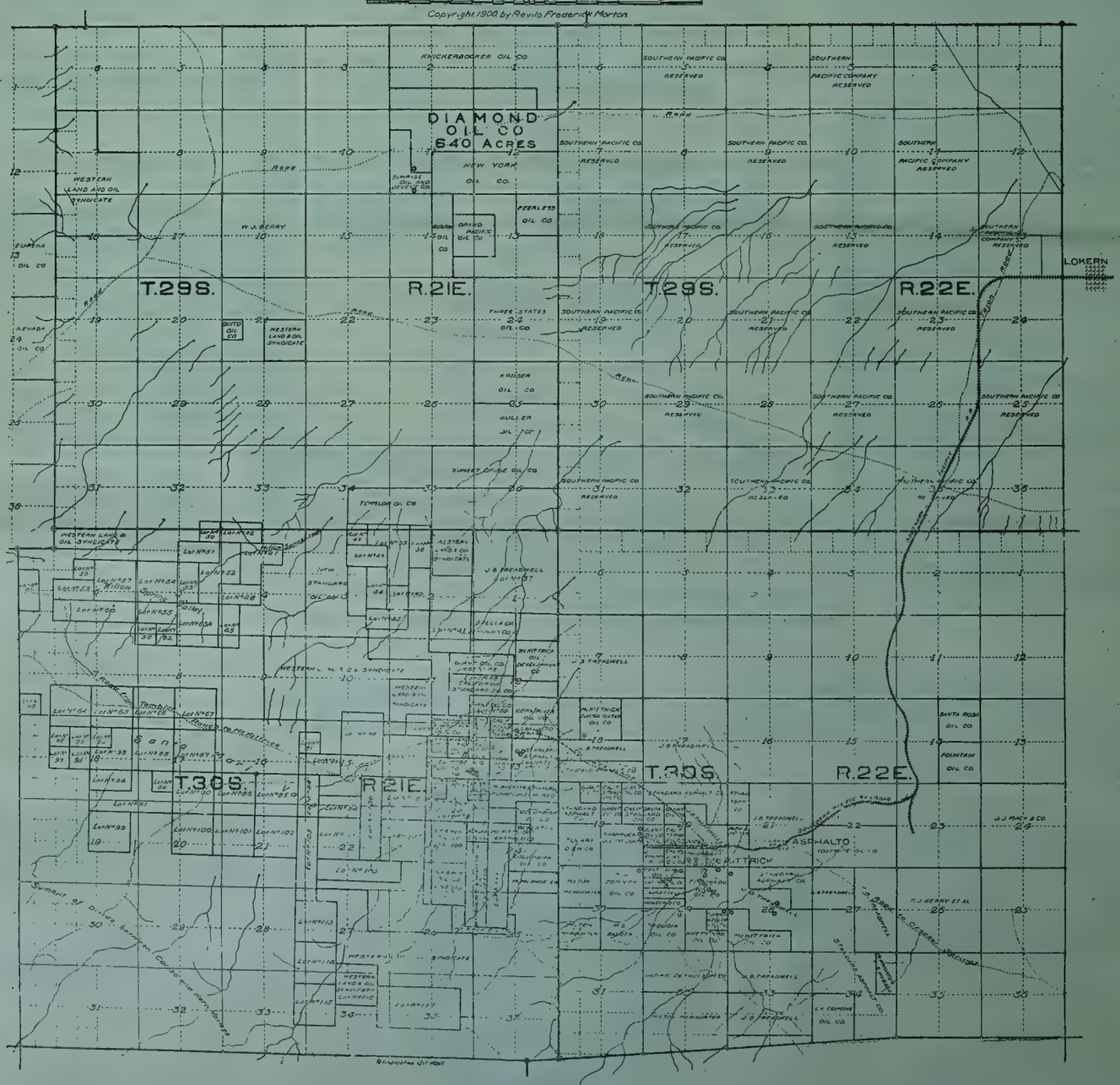

STATE

Endorsed by the California Petroleum Miners' Association.

VOLUME 2

NUMBER 14

PACIFIC OIL REPORTER

SAN FRANCISCO, CALIFORNIA, FRIDAY, FEBRUARY 8, 1907.

GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non - Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages:

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts, as follows: Sunset and McKittrick District, Kern County; Coalinga District, Fresno County; Kettleman District, Kings County, and Contra Costa County.

SECOND—Stock is absolutely Non-Assessable.

THIRD—Large Capitalization by which successful development in absolutely assured.

12,000 Shares Sold in One Day.

One hundred thousand shares sold in less than three months. Second 100,000 shares now selling rapidly at $1.00 per share; when sold 3rd 100,000 shares will be placed on the market at $2.50 per share.

The officers of the company are all well-known business and professional men. A. G. Deardorff, President; J. M. Merrell, Vice-President; John Choice, Secretary; Wells-Fargo Bank, Depository; F. A. Berlin, Attorney; Franklin Person, Superintendent Agencies. Directors: J. M. Merrell, E. H. Baxter, J. A. Miller, John Choice, J. C. Sala, F. A. Berlin, R. L. Rigdon, A. G. Deardorff.

Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

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Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capitalization. Economical management.

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,
399A Parrott Bldg, San Francisco

Casmalia Ranch Oil and Development Co.

Incorporated under the laws of California
Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building.

PACIFIC OIL REPORTER

Vol. 2. No. 14. SAN FRANCISCO, CAL., FRIDAY, FEBRUARY 8, 1901. Price, Ten Cents

OIL DEMAND INCREASING.

The Southern Pacific to Change Its Engines from Coal to Oil Burning,

Indications are that the Demand for Oil Will Exceed the Supply for a Long Period. No Ground for Raising the Cry of Overproduction.

Next week W. S. Miller, the Pacific Coast Manager of the Standard Oil company, leaves for Honolulu, his purpose being to create in the islands a demand for fuel oil. He will go armed with facts and statistics to show that not only is the Pacific Coast able to produce a superior quality of fuel oil, but that the quantity is sufficient to supply the demand for manufacturing purposes. Furthermore, he will be able to show them the plans of a 6000-ton tank steamer, holding 35,000 barrels of oil, which will be able to transport to the islands all the cheap fuel necessary for the many manufacturing enterprises now springing up in the islands. He confidently expects to be able to create a market which will rapidly increase.

This is good news not only to the manufacturers at the islands but also to the oil producers who are somewhat fearful lest the cry of overproduction of oil may ruin their business.

But this is not the best news for the oil producers. Manager Kruttschnitt of the Southern Pacific company says the railroad company has decided to immediately change all the engines, both freight and passenger, on 2,000 miles of railroad belonging to the Southern Pacific system, from coal to oil burners.

This change has been decided upon only after the most careful testing and investigation. It has been found that an engine in ordinary use will consume a ton of the best coal in a run of fifty-five miles, while a ton of the best fuel oil will run an engine seventy-five miles, or in otherwise a ton of fuel oil will run an engine twenty miles farther than a ton of coal.

The average run of an engine is thirty miles per hour, and if twenty hours be an average day's working time an engine would run 600 miles a day. This means that in a day's run an engine would require ten tons of coal to but six tons of oil.

The ten tons of coal would cost about $50.

The eight tons of oil would cost but $30.

Therefore, in each day's run an engine by burning oil would save $20 a day to the company, not to speak of the extra saving obtained in not having to employ labor, machinery, etc., in handling the coal in the bunkers, etc.

West of El Paso and South of Portland the Southern Pacific company uses 785 engines. If each engine uses eight tons of fuel oil or 48 barrels a day, the 785 engines would require the enormous total of 37,680 barrels a day which is nearly three times the amount produced to-day. Even if one-half the engines on this portion of the system were fitted up as oil burners they would require over 18,000 barrels a day which is more oil than is produced to-day in the State.

Probably the next six months will see the daily output more than doubled from what it is today. Then the supply will begin to equal the demand.

All that is required today is for the producers to furnish good oil, free from sand, of good quality, and get it to the railroads, where it can be stored and be ready for instant use when wanted.

There is no reason to cry "overproduction." When a large supply of good oil can be relied upon it will be in demand.

The Southern Pacific company is using it today, and will use in a year hence hundreds of barrels where today they use one.

The same can be said of the Santa Fe system.

Thousands of barrels a day are now being used in and about San Francisco for manufacturing purposes, and yet its use for this purpose has just begun.

There is but one steamer on this coast today burning crude petroleum. In one year there will be several, and the number will increase at a rate that will make the producers hustle.

Today not a barrel of crude oil is exported. When enough of the right kind of oil can be produced a fleet of tank steamers will take our oil North, South and West.

Today only 5,000 barrels of illuminating oil is made in a year in California. In a short time when better oil is produced, and when the process of refining is improved instead of there being but 5000 barrels of illuminating oil produced in a year, this amount will be produced every day.

There is no reason to cry "over-production." There is reason to say to the producers "Produce more and better oil, and have a more thorough system of getting it where it can be stored and marketed."

Sixteen Gravity Oil Flowing from Trough in Kern River District.

Found Use for It.

About twelve years ago 19,000,000 barrels of Lima oil were in stock. The oil could not be sold. No refinery would use it. Its smell would make one hunt for a skunk. It smoked so one thought the house was on fire. At last a process was discovered so that the oil could be refined, and the product was the equal of the Eastern. Then the refineries began to spring up on every side, and the man who invented the successful refining process rose from poverty to be a millionaire.

The manufacturers who had been burning coal in the middle western states, after a great deal of persuasion, were induced to change their furnaces from coal-burning to oil-burning. The change proved satisfactory, and in two years the demand for Lima oil was equal to the supply, and has continued so since.

To-day California oil can be refined so that the product is equal to Eastern oil; but the process is too costly; it takes too many barrels of crude oil to make one barrel of the refined product.

But, as in Ohio, the time will come when a process will be discovered whereby our crude oil will be refined profitably, and when consumers of fuel will prefer it to coal.

A Minor's Rights.

The contest begun by C. A. Phelps against the Reed Crude company to recognize his claims to 240 acres owned by it in the northwest and southeast quarters of sec. 32, 28-28, was settled last week by compromise, Phelps receiving 30,000 shares of the company's stock, equivalent at the present market rates to $20,000.

The Californian says that the basis for the Phelps claim was the interest acquired by a minor. He was one of the original locators of the land, but when the filing was done he was not of age. That being the case, a legal opinion was given that he had gained no interest and that he might as well sign a quit claim deed, which he did. The advice, it appears, was exactly wrong. He could acquire an interest in a location, but could not under the law, dispose of it.

PRESS COMMENT.

Editorial Opinion on the Oil Test Bill.

FREE LANCE, HOLLISTER.

There is a bill now before the legislature which provides for the appointment of an inspector and deputies to enforce a fire test of 130 degrees Fahr. on all oil produced in this state, the expense of this test to be borne by the dealers in oil through a tax levied upon the packages of oil examined. As this measure would inflict a great hardship and seriously cripple the oil industry in this state, the California Petroleum Miners' Association have passed strong resolutions denouncing it, and earnestly solicit the co-operation of all our people in interesting our Senator and Assemblymen against the passage of the bill. The injustice of this bill may be judged from the fact that in Pennsylvania, the great oil-producing state, the fire test is only 110 degs. Fahr. Should the legislature pass this bill, the effect will be to prevent the manufacture of California illuminating oil and force our oil to be used exclusively for fuel.

INDEX, SALINAS.

There seems to be some influence at work to nip in the bud the oil-refining industry in California, a bill having been introduced in the Senate (Senate bill No. 18) providing that no oil shall be manufactured in this state which cannot pass a fire test of 130° Fahr. A test of 110° is required in Pennsylvania, the principal oil producing state in the Union. Senate bill No. 18 is a good one to kill.

COR. EXAMINER, SAN FRANCISCO.

The bill introduced in the Assembly by Melick affecting the oil output of the State is to be handled by the Committee on Mines and Mining. The way in which the members of the committee discussed the bill this afternoon has given rise to the theory that it will be amended in a manner that will practically take all the meat out of it.

The essence of Melick's bill is contained in a sentence written evidently after the bill had been drafted. This sentence sets forth that no oil shall be manufactured in California which cannot pass a fire test of 130 degrees Fahrenheit. The oil men claim that the passage of this bill would ruin the oil industry in California.

Assemblyman Chandler of Fresno, in discussing Melick's bill to-day, said:

"The test as set by Mr. Melick is entirely too high. Most of the oil of this state has an asphalt basis and cannot reach such a high test. The passage of this bill would, in my judgment, be a great injury to the oil business of this state. As a member of the Committee on Mines and Mining I will do all in my power to have the degree of this test reduced."

COR. HERALD, LOS ANGELES.

Foolish Measure Strongly Opposed.—Proposed test for illuminating oil would paralyze its manufacture in California.—A powerful protest.—Senator Currier's bill, requiring the inspection of illuminating oils and imposing a flash test of 130, is certain to meet with the strongest opposition when it again emerges from committee. It is doubtful whether any of the other southern senators will support the bill in its present form and some of them are outspoken in their disapproval of it. Senator Greenwell has been in correspondence with some of the large oil producers of his district, and he says they are united in the declaration that a test of 120 will be ruinous to the oil refining industry, and that a test of 110 will give ample protection to consumers.

Smith of Kern is investigating the subject very carefully, for the bill is of vital importance to the people of his district. He said to-day that while he had not completed his investigation, he was strongly inclined to the opinion that the test proposed was too high, and he should favor an amendment, placing it at 110. Senators Simpson & Smith of Los Angeles are understood to take the same view.

Melick's bill in the assembly is making little progress, and Melick says he will do nothing about it until he gets a report from the state university, which is now making chemical tests of the various California oils at his request. Professor J. A. Jaffa is making the tests, and has already examined five or six different oils.

Group of Producing Wells in Kern County.

BEE, HOLLISTER.

Senate Bill No. 18 should be killed. All interested in the oil industry should use their influence to beat this unjust bill.

At a meeting of the members of the Los Angeles Stock Exchange, the following resolutions were unanimously adopted, a copy of which will be forwarded to the representatives of Los Angeles at Sacramento.

WHEREAS, the California legislature has under consideration bills providing for the appointment of inspectors of illuminating oils and for the prohibition of the sale of all oils of less than 120 degrees flash test, it is

Resolved, By the Los Angeles Stock Exchange that such proposed legislation is a serious menace to the petroleum industry of California, and that it would be, in effect, a prohibition of the refining of California oils, which is now an important industry, and the passage of the proposed law would give to the refiners of Eastern oils a monopoly of supplying illuminating oils to the trade in this state; further be it

Resolved, That the unanimous testimony of practical refiners, dealers and all persons familiar with the subject is that lamps filled with oil of 110 fire test never have been known to explode, and that such oil is safe oil to use.

That the small percentage of illuminating oils carried by California crude oils makes it impossible to profitably refine therefrom oils of 120 flash test, which is equivalent to about 155 degrees fire test.

That there is a steady increase in the number of refineries in California and these refineries relieve the market of a large and increasing amount of oil, thus preventing what might otherwise become a congested condition, while the crippling of these refineries would be immediately felt in every oil producing section of the state.

That the burden of a corps of inspectors of illuminating oils would be a serious incubus on the California refineries, bringing no benefit to any person save those who might be given places as inspectors. And be it further

Resolved, That the various commercial organizations of California are called upon to join with this exchange in an effort to prevent the strangling of the oil refining industry of California.

RECORD, CHICO.

Senate Bill No. 18 provides that no oil shall be manufactured in California which cannot pass a fire test of 130 degrees Fahr. This bill, if passed, will practically destroy the California refining oil industry and would be the interest of the trust. The California Petroleum Miners' Association has quite properly called upon the Legislature to not pass the bill. In Pennsylvania, the parent of the oil refining industry, no illuminating oil has to pass a fire test greater than 110 degrees Fahr., and there is no sound reason for a severer test in California.

NEWS LETTER, SAN FRANCISCO.

The California oil producer has learned at last, like a great many others who labor in the vineyard, that the so-called legislators of the state are not in Sacramento for the benefit of their health. The California Petroleum Miners' Association and the Producers' Oil Exchange find it necessary now to protest against a bill which practically puts a cinch upon the industry should it be passed. Years ago the "push" in politics used to have the Pilot Commission and the British insurance companies in a corner every time the legislature met, and it was a case of bleed or die. Now a new and flourishing industry has grown up in the state, and the lariat has it promptly in the coil under the guise of legislation. If this is an honest bill, why does it only apply to the manufacture of oil in California up to a certain fire test, ignoring the importation and sale of Eastern grades many degrees lower. It is to be hoped that if this bill is not killed in committee, that there will be enough decency in the House to floor it effectually. It is claimed by the oil men that Pennsylvania, the parent state of the oil refining industry, only requires a fire test of 110 degrees Fahr., maximum, while this bill now presented to the legislature of California calls for test of 130 degrees Fahr. If this law is passed it will work a serious injury to the industry which has already worked wonders in the way of benefiting the state. It would practically destroy the business of the oil refiners, at whom the blow is principally aimed. This bill should be promptly killed.

CALL, SAN FRANCISCO.

The proper thing for the legislature to do with the bill is to promptly kill it.

There are many objections to the measure. In the first place a man capable of rightly fulfilling the duties required would be worth more than $1500 a year. In the second place the right of appointing a suitable number of deputies is not a proper one to confer on a man working at a political job for $1500 a year. In the third place the standard fixed for illuminating oil is too high, being in excess of that established in Pennsylvania.

Many other objections to the measure might be pointed out, but it is unnecessary to do so. The vital objection is that California has already too many officials. It would be better business and better politics for the Legislature to diminish the number of State officials and commissions than to increase them.

Our people have done fairly well without a State inspector of oils with a "suitable number" of deputies, and it can continue to do so. There are doubtless many things that California needs, but more office-holders and taxeaters are not among them.

THE TEXAS GUSHER.

Story of its Discovery by Captain Lucas.

When Captain Lucas, who is an educated German engineer, came over to Beaumont a few years ago he was impressed with the apparent similarity of the geological formation, and with Jefferson's salt well still in his mind, and the vast sulphur deposits of Louisiana also before him, he concluded to try for one or the other. Indications of sulphur abound in the country. Capt. Lucas drilled one well and found no sulphur. But he found some gas, and, perhaps, some oil. This he will not talk about. But his well met with trouble, and he concluded to take a new start and drill for oil this time.

He sought to enlist capital, and was fortunate in getting tue ear of Guffey & Galey. Guffey was an owner of one of the great gushers at Sand Fork in West Virginia, and Galey formerly was interested in the Coalinga field in California, but gave it up as a bad proposition. What he had to tell them was enough to satisfy their far-seeing vision, and they joined him. Almost 4000 acres of land were leased and last fall the rotary drill was started.

The job was not without its troubles and drawbacks. But as the hole slowly crept down through clay and quicksand, Lucas found pyrites of iron in the sand. This inspired him with the belief that the chemical process that had combined the iron with the impurities had done more farther down, and he pushed on. In this well it was oil he was after, and he was not disappointed To Capt. Lucas's knowledge of geology and his skill in applying it is due the discovery of this Texas field, just as to Guffey & Galey's good sense and judgment is due its early development.

A certain sea-faring man having some suggestions of "Billy Bones," who sailed with old Flint and Long John Silver, is in disrepute with the oil colony from Pennsylvania.

He had been telling day after day of the oil spring out in the gulf, and the underground river of oil that rises in the Rocky mountains and flows through Beaumont and over to Trinidad to make asphalt. He had anchored in the oil calms in the gulf and carried asphalt from Trinidad to New York and it melted down on him and the cargo shifted and he put into Charleston in distress. And it was a beautiful story of a sea-faring man. He knew the location of the spring in the gulf, which could be easily reached by a naphtha launch from Sabine Pass. So W. A. Dennison, R. A. Fuller, E. N. Smith, R. R. Armour, Dr. William B. Phillips and a dozen more planned a trip out to see it. They had every contingency provided for, but the minute the procession started prices commenced to rise. By the time they reached Sabine Pass, a dozen miles from the hotel, the two or three dollars which was to cover the cost of the trip per man, was exhausted and the industrious launch owner refused to turn a wheel without $25 in his hand. The oil men offered $10, which was refused, and they struck and came back to the hotel disgusted with sea-faring men. Capt. Lucas says he has been out to the scene of the oil spring in the gulf, and that it has long ago ceased to be visible, although he suspects that at one time it did exist.

It is singular what a hold that old subterranean stream of oil story has on these people. The natives believe that a vast river runs beneath this vicinity, flowing from a subterranean sea in the Rocky Mountains, and that the Lucas well hit the river. This stuff is telegraphed in all seriousness out to the papers elsewhere, and in the same seriousness is printed, not as an interesting joke, but as a scientific fact.

The formation here is not the same as at Corsicana, up in the center of the State. John Galey, who is the only practical oil man who has full knowledge of this well, says he has no doubt that the well is in a large pool, but he thinks it absurd to even assume that the oil basin has risen enough in any portion to make this a gravity flow.

The Pennsylvania driller, who will come down here if the field develops what this well indicates, need bring none of his outfit. This work is rather hydraulic mining than drilling. His equipment will consist of a pump able to force water into the hole at a pressure of 200 pounds or more, an engine to drive his machines, a rotary machine to keep turning the drill pipe continuously, and such accessories as this outfit demands. The derrick is built only 60 feet high, as there is no long string of tools to handle.

Considerable talk is indulged here as to the oil bearing a lubricant, and enthusiastic boomers are trying it in all ways, but it is likely that disappointment will result. While lubricating oil is found some miles west in shallow wells, at Sour Lake, that signifies nothing This oil, on standing, deposits considerable sediment, not yet determined by analysis, but Captain Lucas inclines to the belief that some of it is paraffine. The most of it is probably asphaltum. If the reputed trial of the oil in the still, which drove off not more than 25 per cent at a temperature of 600 degrees, leaving a thick black mass, is true, there is not much good lubricant in the oil, yet the official tests have not been reported to Captain Lucas. The oil men, however, do not class the oil as a likely machine oil. The entire spectacle here, surface geology and oil, are much more suggestive of Russia's fields and conditions than of anything in the region east of the Mississippi.

Fuel is one of the drawbacks in drilling in this country. The delay caused by the sands makes rapid progress impossible, and steam must be kept up to drive the rotary drill machine, and also maintain, the excessive water pressure in the pumps, which must keep a steady stream of force and volume flowing into the pipes and back out the drilled hole. When men talk of sinking a well here in unusually short time because the ground is soft it is wise to remember there are liars everywhere. It took the Lucas well nearly three months to get down, and many a well will start that will never get down.

BION H. BUTLER.

Oil Stock with a Value...

Limited Offering at 75 Cts. per Share

If contemplating a purchase of oil stock, we respectfully submit a few reasons why we expect to interest you in

The Sovereign Oil Company

We own 160 acres and have a lease of 20—180 acres in all, all located in the famous Kern River Oil District. Ownership means an absence of costly litigation to protect title. We own all machinery upon our land, including two Standard drilling rigs.

Progressive management, demonstrated by following facts: Incorporated on October 15th, 1900, and on December 6th (5 days thereafter) had **two wells in oil.** Location of property insures large profit from all oil shipped, because near railroad No costly "hauling" to prevent **any profit** on shipment. Title to property U. S. patent, meaning an asset behind stock.

Our reliability and progressiveness not an experiment. Proven by record of Sterling Oil and Development Company. The Sovereign is under same management. Prospectus and maps are free for the asking.

10,000 shares at 75 cents per share. Orders filled in rotation of receipt, and the right to revoke this offer, without notice reserved by company.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

PACIFIC OIL REPORTER

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The Oil authority of the Pacific Coast
Endorsed By the California Petroleum Miners' Association.

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FRIDAY, FEBUARY 8, 1901.

Somewhat Behind Hand. The Oil Era of Los Angeles should be commended in having done good work in presenting the danger which threatened the oil refining industry on account of Senate Bill No. 18 introduced by Senator Currier of Los Angeles; but the Era is somewhat in error in making the statement in its last issue that it is the only journal in the state which has shown interest and enterprise enough to thus present the oil producers' and refinders' side of the question directly to the members of the Legislature. As soon as the bill was presented in the Legislature the PACIFIC OIL REPORTER gave it publicity and showed the injury it was liable to work to the oil industry. This paper also saw to it that the different editors in the oil districts in the state were notified of the importance of Senate Bill No. 18, and as a consequence over fifty newspapers published in the various oil districts have given this matter editorial attention.

The Oil Era should not be quite so hasty in taking to itself all the credit of sounding the alarm.

The Banks and Oil Companies. The banks are not acting justly toward the oil companies. Without an exception they have refused thus far to loan money on oil stocks, even of the most approved kind. There are stocks which started at fifty cents a year and a half ago and which today are worth from five to fifteen dollars in open market, yet the banks will not loan a dollar on them. Yet the banks will loan on certain mining stocks. These are the stocks of producing mining companies, which have property of certain value.

If banks will loan on mining stocks they should be willing to loan on oil stocks.

An oil company that has producing wells, pumping machinery, storage plants, etc. should be able to obtain money for its stocks just as do mining companies. The supply of oil is no more liable to give out than is gold, silver or copper ore in an average mine. Its machinery, plant, etc. has a sale in the open market, and will bring a certain price. The banks should be willing to loan on it, and should be made to loan on it.

It is a noticeable fact they are very willing to become the depositories of oil companies, and in fact there are today on deposit in the San Francisco banks over one million dollars belonging to the various oil companies.

The banks all want to act as treasurer of oil companies, but not one dollar, at present, will they loan out on oil stocks.

Oil companies which are producing oil, and whose stock is valuable should refuse to deposit with a bank that refuses to loan on its stock as security. A little judicious practice of the golden rule, otherwise known as boycotting, sometimes works like a charm.

A Change for the Better. A bill drawn by W. H. Chapman, Esq., of this city, has been introduced in both houses of the Legislature, which will have the effect of keeping within the bounds of this state the companies now organized under the laws of Arizona, West Virginia, North Dakota and other states which do not permit the levying of assessments by directors upon outstanding stock of a corporation. Complaints have been made by stockholders in various corporations, especially in mining, that the directors representing a majority of the stock, often controlled by a single individual, have levied assessments which small holders were unable to pay, and in consequence were forced to sacrifice their holdings. The result was that California mining and oil stocks became difficult to dispose of in the Eastern markets, and many new companies were obliged to incorporate under the laws of some other state, where stock was non-assessable. As this is the case in most states outside of California, the selection was usually made on account of cheapness and convenience. The cost of incorporating under the laws of Arizona is about fifty dollars, and an officer of the company must be a resident of the territory, while the fees under the California law are not more than ten or fifteen dollars.

Besides the inconvenience of the present system of foreign incorporations, there is a manifest evasion of the law when a company doing business exclusively in this state, with the entire personnel of the management resident here and their entire holdings located in California, attempt to do business under the incorporation laws of another state, and if not entirely illegal this matter may lead to grave complications when brought before the courts. Then there is the additional expense and loss of revenue to the state, both in the matter of fees and of a tax on franchises, which cannot be collected from a "foreign" or non-resident corporation. In view of the large number of oil incorporations constantly being formed, the law governing incorporations is of especial interest to those engaged in organizing oil companies, and the proposed change has been brought before the public largely by the demands of these companies. As the change does not make the question of assessable stock an arbitrary measure, but leaves it to the stockholders to decide upon organization whether they wish the stock to be assessable or otherwise, the present status of the law permitting assessments is not materially changed but merely restricted in operation so that assessments can still be levied by those companies which desire to do so. Instead of levying assessments it is expected that the present practice of those companies now operating under outside laws will be followed, that is, of setting aside a sufficient amount of treasury stock, which would be sold and the proceeds used for purposes of development, so that assessments are unnecessary.

The question of limited liability or other constitutional restriction is not touched upon, and as the entire subject can be covered by legislative enactment no constitutional amendment is necessary.

The proposed law certainly has merit, as it provides relief from an embarrassing legal position without changing the status of companies now incorporated or desirous of continuing on the assessment plan, and should receive the favorable consideration of the legislative committees which now have it under consideration. The text of the bill is as follows:

An act to amend Subdivision 7 of Section 200 of the Civil Code of the State of California, relative to the contents of Articles of Incorporation.

The people of the State of California, represented in Senate and Assembly, do enact as follows:

Sec. 1. Subdivision No. 7 of Section No. 290 of the Civil Code of the State of California is hereby amended to read as follows:

7. If there is a capital stock, the amount actually subscribed and by whom, and whether its capital stock is assessable or unassessable.

Sec. 2. This act shall take effect from and after its approval.

An act to amend the Civil Code of the State of California, relating to the formation of corporations having unassessable capital stock.

The people of the State of California, represented in Senate and Assembly do enact as follows:

Sec. 1. A new section is hereby added to Art. II, Chap. II, Title I, Part IV, Div. I of the Civil Code of the State of California and is numbered and designated Section 350 as follows:

Sec. 350. The capital stock of corporations formed or re-incorporated with unassessable stock as in this code provided, shall not be subject to the provisions of this Article.

Sec. 2. This act shall take effect from and after its approval.

An act to amend the Civil Code of the State of California relating to the formation of corporations with unassessable capital stock and providing for existing corporations to elect to amend their articles of incorporation, so as to have the benefit of this act.

The people of the State of California represented in Senate and Assembly do enact as follows:

Sec. 1. A new article is hereby added to the Civil Code of the State of California to be known and designated Art. III, Chap. I, Title I, Part IV, Div. I and to read as follows:

Sec. 321 (b). It shall be lawful for any corporation hereafter formed, other than those formed under Titles II to X inclusive and Titles XII to XVIII inclusive of Part IV, Div I of the Civil Code, to provide in its articles of incorporation, that its stock shall not be subject to assessment by the board of directors and when such provision is made therein, there shall be used in connection with and as a part of the corporate name of such corporation, the word "unassessable" and the directors of such corporation shall have no power to levy any assessement upon the capital stock of such corporation for any purpose whatever.

Sec. 321 (c). Any corporation now existing, other than those mentioned in Sec. 321 (b) above, desiring to render its stock unassessable may do so by filing amended articles of incorporation so providing, as required by this code for amending articles of incorporation in other respects;

Provided that no existing corporation shall amend its articles of incorporation under this section without first procuring the verified written consent of all its creditors and other persons having contractual relations with said corporation, and also of stockholders holding at least two-thirds of its subscribed and issued capital stock and which consent shall be verified by the oaths of its president and secretary OR BY THE OATH OF SUCH CONSENTING CREDITOR OR STOCKHOLDER and such consent so verified shall accompany and be filed with said amended articles, and any person making any false oath respecting the signature of any person to such consent shall be guilty of perjury AND PUNISHED ACCORDINGLY. When such amended articles are filed, said corporation shall insert in its name and always use as a part thereof the word "unassessable."

Sec. 321 (d) Any corporation making use of said word "unassessable" as a portion of its corporate name, unless authorized to do so as in this article provided and any officer, agent or employee thereof knowingly permitting the use of said word, shall be guilty of a misdemeanor and in addition thereto, said corporation and each such officer, director and agent thereof shall be personally liable for any indebtedness, damage or liability incurred by said corporation during the use of said word.

Sec. 321 (e) Any corporation organized under this article or which has amended its article of incorporation, as in this article provided, which fails to use said word "unassessable" as a part of its corporate name, whenever its corporate name is used, and each officer, agent and employee thereof, knowingly consents to or permits the omission of said word from said corporate name, shall be guilty of a misdemeador and in addition thereto, such corporation and each such officer, agent and employee thereof, shall be personally liable for any indebtedness, damage or liability incurred by said corporation during the omission of the use of said word.

Section 2. This act so far as it relates to the subject matter thereof, shall supersede all acts and parts of acts in conflict herewith and shall take effect from and after its approval.

Error Corrected.

A typographical error made the advertisement of the Lion Oil company in the oil directory read that the company had but eighty acres in the Sunset districts. As a matter of fact the company owns 820 acres of some of the best land not only in Sunset but in Kern and Templor districts.

The Monterey Oil Development company, which has its offices at Monterey city and whose officers are Dr. J. L. Roberts, president and J. F. Moore, secretary, should not be confounded with the Monterey Oil company which has its offices at Hanford. The Monterey Oil Development company has in the Coalinga field 160 acres, in the Panoche oil field 160 acres and in the Monterey oil belt 4280 acres. It is one of the strongest companies now operating.

BUFFALO EXPOSITION.

California's Oil Industry Should Be Well Represented.

The exposition which will open in Buffalo in May is now an assured success. In importance it bids fair to rival the Worlds Fair of Chicago and will certainly be of more importance and even better attended than was the Mid winter Fair held in San Francisco.

Already arrangements are being completed by various industries of California to secure proper exhibitions of the various products of the state.

The mining industry is to be well represented. There will also be a fine display of fruits, wines and cereals.

The California Petroleum Miners' Association has already commenced the work of preparing a proper exhibition of the products in our oil industry both in the crude as well as in the refined state.

Not only every district in the state should be represented in this exhibit, but every company that now produces oil should send immediately to the California Petroleum Miners' Association in the Mills' Building, a sample of its oil and when possible so to do, the analysis of the oil.

The California Petroleum Miners' Association has accomplished already much good for the oil industry and there is no doubt but what a proper exhibit of oil will attract the attention of capital and will accomplish much in showing to Eastern investors the opportunities offered them now for satisfactory investment

The exhibit will also show the importance of the oil industry to those who are familiar with various oil districts in the East and and would be the means of not only securing capital for the oil industry here but would also bring to this state that skilled labor to which it so much stands in need, especially in the oil districts.

Oil companies should realize the importance of having a good exhibit and should co-operate most fully and heartily with the California Petroleum Miners' Association which is in its turn co operating with the California Miners' Association.

More Oil Papers.

Within the last year two daily oil papers and one weekly oil paper have suspended publication in San Francisco. This week another daily has made its appearance and along with it comes another weekly. Now that the regular city dailies as well as the weeklies are paying increased attention to the oil industry it ought to be well set forth before the public. Another weekly will soon appear. The more the merrier.

NEW QUARTERS.

Plan of the Producers' Oil Board to Acquire the Property.

A scheme is being worked up to sell the San Francisco Stock Exchange property on Pine street to the Producers' Oil Exchange. The plan is to pay $300,000 for the four-story stone building and lot, 90x137:6, place a mortgage of $200,000 on them and expend $15,000 in fitting new quarters for the transaction of the oil-share business. To obtain the necessary cash it is proposed that each of the 115 members of the Producers' Oil Exchange shall contribute $1000, receiving in exchange proportionate ownership in the property. The project has taken such shape that committees are busy on the scheme, which, however, is far from easy of execution. It is thought it will be agreeable to the 91 members of the San Francisco Stock Exchange, as under it they would each come into the possession of $3000 or more, and those who are also members of the Producers' Oil Exchange are naturally enthusiastic in its favor. Their unanimous consent is, however, requisite to the sale of the property. Less enthusiasm prevails among the brokers engaged exclusively in the oil-share business, but arguments and persuasion are being employed with them to bring them into line. Some are understood to be doubtful as to the propriety of making any move from their quarters in the Mills building, others consider the price fixed for the Pine-street structure and land high. The need of more space for the Oil Exchange is generally admitted, but it is a question whether it would be better to enlarge the place occupied or to remove from the Mills building.

The Oil Land Bill.

The Perkins bill regulating the location of petroleum lands has been under consideration by the Congressional public land committee in Washington. Briefly, this bill permits of the location of oil lands on the same basis as placer locations, with additional rights to the locator to hold the claim pending the determination of its oil-bearing value. The bill is stoutly opposed by the agricultural scrippers who have Shirley Ward of Los Angeles and W. W. Dudley of Washington to to fight their case. Senator Bard, being familiar with the entire petroleum situation in California, has proposed a number of amendments to the bill that will be considered.

Before buying oil stock or leasing or buying oil lands call on Barieau & Persinger, Room 115, Phelan Building, San Francisco.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company, 504 Parrott Building, San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

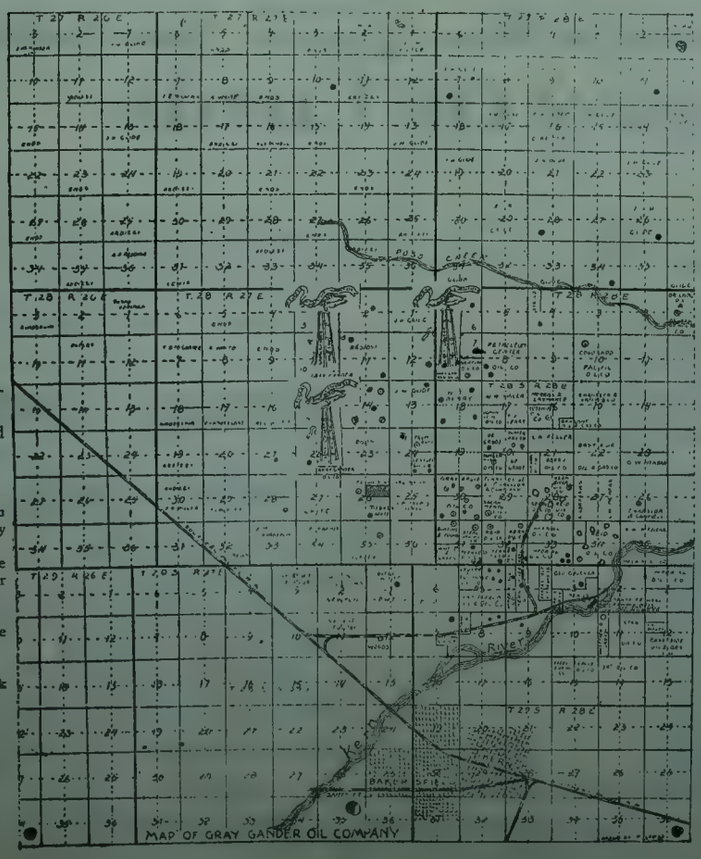
2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.



Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street

Rooms 44 and 45, for special inducements for short time.

A GOVERNMENT PATENT.

Legal Requirements Necessary to Secure One.

A U. S. patent for mineral land is obtained as follows according to the Scientific Press: The claimant, having complied with all legal requirements, may file in the proper land office an application for a patent, under oath, showing such compliance, together with a plat and field notes of the claim or claims in common, made by or under the direction of the U. S. Surveyor-General, showing accurately the boundaries of the claim or claims distinctly marked by monuments on the ground, and post a copy of such plat, together with a notice of such application for a patent, in a conspicuous place on the land embraced in such plat, together with a notice of such application for a patent, and file an affidavit of at least two persons that such notice has been duly posted, and file a copy of the notice in such land office. Thereupon the claimant is entitled to a patent for the land in the manner following: The register of the land office, upon the filing of such application, plat, field notes, notices and affidavits, publishes a notice that application has been made, for a period of sixty days, in a newspaper to be by him designated published nearest to such claim; and he also posts such notice in his office for the same period. The claimant at the time of filing the application, or at any time thereafter within the sixty days of publication, files with the register a certificate of the U. S. Surveyor-General that $500 worth of labor has been expended or improvements made upon the claim by himself or grantors; that the plat is correct, with such further description by such reference to natural objects or permanent monuments as shall identify the claim, and furnishes an accurate description, to be incorporated in the patent. At the expiration of the sixty days of publication the claimant files his affidavit, showing that the plat and notice have been posted in a conspicuous place on the claim during such period of publication. If no adverse claim shall have been filed with the register and the receiver of the proper land office at the expiration of the sixty days of publication, it is assumed that the applicant is entitled to a patent, upon the payment to the proper officer of $5 per acre, and that no adverse claim exists; and thereafter no objection from third parties to the issuance of a patent can be heard, except it be shown that the applicant has failed to comply with the above terms.

A Record Breaker.

It is not often that an oil company has two wells drilled and on the pump, and work commenced on the third, within four months from the time of its organization. The Union Petroleum company of Los Angeles has accomplished this feat and stands among the record-breakers for rapid work. It was organized in October last, had its first well drilled and on the pump by November 5, its second well pumping by December 15, and announces that it expects to finish its third well by the 15th of February. It promises to be a fine well. Their oil is of 16 gravity and is sold for $1.16 a barrel at the well.

Many of the directors and principal stockholders are well known in San Francisco, among them being F. W. Braun, wholesale druggist; J. G. McKinney, president of the Ice and Cold Storage company; A. C. Calkins, the manufacturing chemist for F. W. Braun & company, and for the Howard Refinery company, W. T. Carter, of the advertising department of the Los Angeles "Herald", S. J. Parsons, attorney; S. L. Taylor, oil well toolmaker, and W. Wettleson, oil dealer. Wettleson is the president and field superintendent. Their wells are being drilled by Messrs. Herring & Alcorn, two of the best known drillers in Los Angeles.

The company has acquired seven valuable leases in the heart of the Los Angeles field, six of them being right in the city. Five are perpetual leases, one is for ten years and one, the Houston lease of 160 acres, in the Castaic district, is for twenty years, on a one-tenth royalty. It also owns by deed forty-five acres near the city, twenty-five acres near the famous white oil wells of the New Century Oil company and the Pacific Coast Oil company and 160 acres in Fresno.

The company has opened a local office at 11 Montgomery street, and placed a block of development stock on sale, so as to rapidly push the work on wells 4, 5 and 6. The present price of stock is 25 cents a share.

Petroleum Miners' Association Notes.

At a meeting of the Board of Directors of the California Petroleum Miners' Association, Mr. George X. Wendeling of the Kern River Producers' Association was unanimously elected a director of the association.

Samples of California oils are being collected by the California Petroleum Miners' Association for a complete exhibit at the Pan-American Exposition at Buffalo. Secretaries of Oil companies are requested to send in samples of not less than one gallon. Analyses will be made of oil not previously examined.

The deepest well in Santa Barbara is that of the Western Union Oil company, on the Carreaga rancho, which is fully 2000 feet deep, and oil is at its bottom.

Capital, $200,000 — No. Shares, 200,000

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days

Write to **J H. EDSON, Secretary and Manager** **Central Bank Building, Oakland Cal**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

The Lincoln has sold out it first block of 18,000 shares of stock at 25 cents, and is now selling a second block of 15,000 shares at 50 cents. This is going off rapidly, and when disposed of the company will offer no more stock at less than $1.00

The company will complete its first well very shortly, and when his is done the stock will advance very rapidly.

STOCK UNDERWRITTEN

OFFICE

Pacific Coast Underwriting Company
504 PAPROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

CONTRA COSTA

The Grand Pacific, which is drilling near Lafayette, is down over 300 feet in blue shale. There has been some trouble with caves but this is now overcome and the company is working two shifts and making good progress.

The Mt Diablo company operating near San Pablo are very jubilant. At about 360 feet the drill passed through 35 of prolific oil sand, good for over 25 barrels a day of superior oil. The drill is still going down and all the indications favor a big strike at a lower depth. No more stock is for sale. Everything is paid for. The casing is on the ground and about $9,000 is in the treasury. The company will soon have a pipe line to the bay and be numbered among the big producers.

COLUSA

R. H. Herron of Los Angeles, who has been operating in Colusa for a year and a half, says he has given up his leases and will withdraw entirely from the Bear Creek field.

FRESNO.

The Caribou Oil company has commenced drilling its second well. Well No. 1 is holding out better than was expected and is now being pumped from the beam.

The Hanford Oil company brought in its first well on section 28, near Oil City, last week. It is stated that oil was pumped out of the well for thirty hours and that seven barrels an hour were pumped out. It is also said that thirty-one barrels of oil were pumped out of the new Caribou well last Saturday. No more was pumped out, as there was not tankage to hold it.

The Esperanza Oil company has suspended operations in the Kettleman district, has pulled up its casing and will move the drilling rig to the Coalinga district—onto a lease of forty acres which they have secured on section 6, just south of the Confidence group, where oil has been struck in several wells. They have also leased 160 acres in section 1, and 80 acres in section 10, in another township.

C. C. Gleaves, the secretary and manager of the Ohio Oil company, in the Fresno-San Benito district, returned this week from an extended tour of the oil fields of the south. He reports very satisfactory progress on the Ohio property. The bridges which were washed away by the heavy rains have been rebuilt and other damaged material replaced. The Silver Creek and Palace companies, who are situated near the Ohio, have their tools and materials on the ground and will begin operation at once.

INYO.

Oil locations made last week in Inyo county cover 3,960 acres, in addition to the 5,920 acres previously recorded.

KERN

The Barrett has a good well on 2, 11-24.

The Arcola, on 2, 11-24, has a fine well.

The Majestic, on 31, 32-24, have started drilling.

Wilkinson and Lanning are drilling in 32, 32-24.

The Sunset Queen are down about 400 feet on 31, 32-24.

The Lucky Boy have had to abandon their first well on account of the casing being stuck, but will soon have another.

The Uncle Sam on 32, 32-24, are near the oil sand.

The Geyser, organized December 10, is down nearly 700 feet and near the oil sand, in 32, 32-24.

The Gold Dollar are drilling about 70 feet from Monarch No. 1, and will soon be in oil.

The Acme and the Golden Gate have five wells on 34, 12-24.

The Famosa Oil & Investment company started their drills up this week.

The Grocers is now down 400 feet on 34, 11-24.

Several derricks are being put up on property leased by the Chicago Crude on the NW¼ of 30.

The Arizona Western, 8, 29-28 has cleaned out its hole.

The Hawkeye, 18, 28-28, has first sand and good indications for the second when it has passed through the porous rock strata.

The California Fortune, on 34, 12-24, are drilling and are down about 100 feet.

The C. B. and W. on 3, 11-24, have completed well No. 1 and will soon start No. 2.

Mr. McIntosh is drilling in 35, 12-24, near the Jewett, Blodgett & Beal.

Drive pipe is being used instead of 7⅝ casing by the Century, 24, 28-27.

The Oriental, in 30, 32-24 are in the first oil sand.

There are said to be sixty derricks up in the Midway district.

The outfit and machinery of the Prosperity on 8, 28-28, is on the ground.

Peerless well No. 8 is producing 400 barrels a day, and Nos. 9 and 10 are being finished.

The Acacia on 10, 29-28, south of the river, struck oil sand recently at 700 feet, and the showing is improving with depth.

Twenty finished wells and an output of 50,000 barrels a month or 80 per day for each well, is the record of the Thirty-three Oil company on 33, 28-28.

The Electric Oil company has begun drilling on 10, 29-28, south of Kern River.

The Wilson No. 2 on section 4, where the test was made of the wire cable and automatic swivel recently, has struck first sand of 450 feet.

A 12,000-barrel reservoir has been built by the Peerless on the SE¼ of 31, 28-28, which will be used as a head for the pipe-line. A settling trough half a mile long will be used.

The Monte Cristo No. 7 is beating the record made by No. 6 when it was first perforated. It is doing oil and froth at the rate of a barrel a minute, 1440 a day, which when more than ample allowances are made is equal to 500 clear oil.

The DeGroot Oil company, drilling in section 33, 29-21, in the Temblor district, has struck oil at a depth of 813 feet.

The report is current that the Dabney brothers have sold their holdings in the McKittrick field to officials of the Santa Fe company.

The Corona Oilcompany, on 30, 22-30, at McKittrick, is down 1700 feet, and has not yet struck the sand.

The Eastern Star Oil company is building a rig on its recently acquired land in 29, 28-28.

YOUR MONEY BACK

After ninety days if you want it. Investments placed with us have greater earning capacity than by any other method.

Your money is always subject to withdrawal and the profits are paid in cash, less a small commission, which we retain for services.

The plan adopted by this company has stood the test of time and is endorsed and heartily advocated by the most responsible business men, financial institutions and newspapers of San Francisco and other large cities.

Investors will do well to investigate the opportunities offered by the company before buying oil stock or placing their money.

Standard Oil Promotion and Investment Co.

INCORPORATED.

LICENSED BY UNITED STATES GOVERNMENT

575-576-577 Parrott Building - - San Francisco, Cal.

Souvenir Views of California Oil Fields, Free upon request.

A. K. Grim, Pres., Chas. E. Lloyd, Vice-Pres., F. M. Husted, Sec., Z. T. Gilpin, Treas.

PANOCHITO Oil Co.

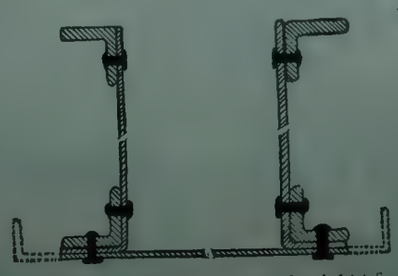
Guaranteed Non-Assessable

2400 acres best selected oil lands.
Complete Standard Rig, strictly up-to-date.
Well 500 feet, showing oil of finest quality found anywhere in the oil belt. We are offering a very attractive proposition to bona-fide investors.

For particulars address

F. M. HUSTED, Secretary.

Macdonough Building, - Oakland, Cal.



YOU CAN BUY

A Galvanized Tank

That has an angle Iron Hoop around the top and the bottom and has all the seams running up the sides to stregthen it as shown in the cut if you want to do os. Notice how the rivets pass through the bottom and side sheets and angle iron hoop and how the bend in side sheet is on inside of tank where the crack is covered in soldering. Your tinner can get the right to make them or we will make you one.

J. E. BREITWISER, Inventor. - - - McKittrick, Cal.

The La Mesa Chiquita, a Porterville company, will exploit the possibilities of the northern part of Kern county by work in 25-28, twenty miles north of Kern River.

The Kings County Oil company is a new concern to enter the field, and has commenced drilling on 16, 29-29.

The San Francisco Oil company are drilling on 27, 32-23, and are down 400 feet.

The Bay City, which struck the second sand recently in the Midway field at a depth of 700 feet, has been having trouble with heaving sand which continues to pour into the hole.

Gas in the hole of one of the San Joaquin's wells on 10, 29-28 caught fire recently and burned the derrick machinery and one hundred barrels of oil.

The McWhorter refinery at Bakersfield, which has a capacity of one hundred and fifty barrels daily, is to have four additional stills put in as soon as the brickwork can be laid.

The only well in the Tehachapi field is the one being drilled by the Summit company on 12, 32-34, M. D. M. The hole is now less than 100 feet deep.

Ludwig & Hickey, on 17, 29-28, is the first company to establish a pipe line from Kern river. A gasoline engine is used to pump the water through the pipe to the engine, and the system has been found much cheaper than hauling.

As yet no work has been done on the spur track from Gosford into Sunset other than to accumulate a vast amount of material ready for the graders and track layers. Today the producing wells in Sunset could fill ten cars a day if they had them.

The Famoso Oil & Investment company, are now at work on 4, 29-28 and will soon have a good well, as their property is surrounded by producing wells. The company has just issued a neat prospectus from the press of the PACIFIC OIL REPORTER. Send for it.

Monarch No. 2, in 2, 11-24, has broke loose several times lately, and has flowed 40 feet for hours at a time over a 66-foot derrick, flooding the whole country with oil. It is now under control. After the well had steadied it filled a 150-barrel tank in 50 minutes. While gushing the force of the flow raised the 700-foot casing over nine feet in the hole and it had to be driven back. Well No. 1 is on the pump.

On 12, 11-24 the Lion last month sold oil to its neighbors to the amount of $750. A Keystone rig has been purchased and it will be ready for drilling about the middle of the month.

Del Rey, on 5, 29-28, is going ahead at a rapid rate in its drilling. The company was organized a few week ago, and has three outfits at work, one well being down 325 feet and the other two 250 each.

Well No. 6 of the Dabney Oil company recently spouted and threw the oil thirty feet above the top of the derrick, with fifty feet still to be perforated.

The producing wells in Sunset today are Jewett, & Blodgett 16 wells, Jewett, Blodgett & Beal 1, Lion 1, Barrett 1, Superior 1, Pittsburgh, 1, Monarch 2, Arcola 1, Occidental 1, C. B. & W. 1, Golden Gate 1, Acme 1, Oriental 1, Navajo 1, Bay City in Midway 1, in all a total of 31 producing wells.

Section 36, 28-27 has been purchased by W. H. H. Hart of San Francisco, who is understood to be backed by an abundance of capital, and that the tract will be developed at once and as extensively as possible. Two rigs will go on the east half immediately, and others will be added at an early date. The price agreed upon was $200,000, $70,000 of which was paid down. A payment of $55,000 will be made on July 10, 1901, and the balance will be due whenever the estates of the late owners, James, Joseph and Morris Malavin of Pennsylvania, are probated and decrees of distribution to the heirs becomes final. The section is undeveloped at present, but is adjacent to producing properties on the north and east.

KING'S.

Articles of incorporation of the Valley Water company have been filed with the County Clerk of King's county. This is a new company organized to supply water to the Coalinga field and especially to the Confidence group of wells and to the English company who purchased the property of the California Oil and Gas company.

LOS ANGELES.

Rain has delayed oil operations in this section and in the South generally.

In the local field the Rommel Oil company is now ready to put its new well on the pump.

The Sterling Oil company has begun drilling on its property on the east side of Western avenue.

The Whittier Producers' Oil company is now drilling, and has reached a depth of 200 feet.

The Western Star Oil & Coal company is down 750 feet, and has passed through the same formation as that found in the Puente wells.

There is still talk of the Standard Oil company's supposed desire to get hold of the Puente Oil company's wells, and other operators in the field consider it about settled.

About two miles north of the Rommel Oil company's property in the city field, the B. B. Oil company has a well down 800 feet.

It is reported that Churchill and Bartlett will commence drilling for oil in this field at an early date, having secured holdings in the north end.

In the east end of the local field the Oceanic Oil company has begun the drilling of its tenth well, which is being put down in the Sisters' Hospital tract.

The Ivanhoe Oil company, drilling at Ivanhoe in the northwest extension of Los Angeles reports that the hole is now 800 feet deep and that so far very little water has been encountered.

MARIN.

The Bolinas Bay are down nearly 500 feet in their well No. 1, and are making rapid progress. There is a strong flow of gas.

F. E. Nelson, general manager of the Bolinas Bay Oil company is greatly pleased with the prospects.

The Sherman company, near the Bolinas Bay Oil company, is down over 100 feet.

Another company will soon be operating near Bolinas.

MONTEREY.

Boring was commenced Tuesday on the property of the Great American company.

The Salinas Oil company's well, in township 19, range 5, is down 200 feet. At 120 feet oil sand was struck which yielded six barrels of good oil.

The Great American Oil company, located almost on the line between Monterey and San Luis Obispo, on 2, 25-10, are down about 150 feet and making good progress.

The Tomboy is now down 750 feet, and the drill has passed through 70 feet of sand strongly impregnated with oil. They expect to get a good well at less than 1200 feet.

The Normal Oil company starts work on their first well this week. This company is a record breaker, as the company was only incorporated on December 13. They have 750 acres in the heart of the oil belt of Monterey and San Luis Obispo counties.

Hennessy & Rucker last week shipped the cants for the derrick wheel of the White Oak company, operating on the San Antonio.

The machinery for the Nacimiento Oil company's well was unloaded at San Miguel this week and is being hauled to the scene of operations.

The Salinas Oil & Development company, who are operating in Monterey county have drilled to a depth of three hundred feet, and are putting down fourteen-inch casing. At two hundred feet the drill passed through blue shale, which, on being tested gave indications of oil. The water and sand which are coming up also give strong indications of oil.

ORANGE.

The American Oil company is erecting a rig in the hills about four miles north of the Santa Fe wells and will begin drilling soon.

The Brea Canyon Oil company will put on a new "string" of tools and men next week, increasing its drilling forces.

The Capistrano Oil company's well No. 1 is down 690 feet. A stratum of water strongly impregnated with oil was struck at that depth.

One of the largest wells put on the pump for the first time this week is No. 20 of the Santa Fe company, which has been producing 100 barrels a day for several days.

The Santa Fe company is now supplying the Olinda, Columbia, Graham & Loftus, Fullerton Consolidated, Fullerton Oil and the Santa Fe leases with 1500 barrels of water daily from its well near the station at Fullerton.

The Santa Fe is drilling three new wells, and has completed the grade for rig No. 25.

The Union Oil company has built a rig for a new well half a mile from its well in Brea canyon. It is reported that there is a large oil spring near the site selected for the new well.

The American Oil company is erecting a rig in the hills about four miles north of the Santa Fe wells, and is to commence drilling soon.

Well No. 4 of the Fullerton Oil company is down over 400 feet, with excellent indications. The company has three producers on the pump.

SOLANO.

It will not be long before spudding will begin near Vacaville.

SANTA CRUZ.

Oil experts are still looking over the lands that give favorable indications for oil in the vicinity of Soquel. Speculators are already making a deal to bond the Oliver property.

SANTA BARBARA.

The Elizalde Oil company's well No. 1 is down 450 feet.

The Commercial Union Oil company is in a black shale at 850 feet.

The Santa Maria Oil company has a depth of 1000 feet, with shale formation showing oil.

At Naples the Santa Barbara and Naples Oil & Land company is down 580 feet with its second well.

The Sycamore well, one and a half miles from Santa Barbara, is 700 feet deep. Shale is being taken out daily from which oil may be squeezed with the hands.

The Southern Consolidated company's No. 1, on the Gutierrez place at Rincon, below Carpenteria, is one in which a thirty-barrel strike was made last week. The story of the strike is now confirmed.

SANTA BARBARA.

G. E. Beresford this week finished well No. 24 for the Sunset company.

Drilling contracts have been let by the California Oil and Juanita companies.

The Summerland wells continue to pump, although oil is only 40 cents there.

The California Oil company are putting a drilling rig on their property and will put in a number of wells.

Two rigs are at work on the Duquesne property, one on Sunset, one on the Diamond Star, one on Santa Barbara.

Juanita Oil company has made arrangements to have a well sunk on the Daniels property. The casing is on the ground.

The North Star Oil company will this month erect a 700-foot wharf and proceed to develop their property as quickly as possible.

A drilling derrick has been erected on the new wharf of the Santa Barbara Oil and Mining company and a contract has been let to drill three wells.

A dispatch from Santa Barbara says the Los Prietos Najalayegua rancho, which was recently sold to H. L. Williams and others of this city by W. S.

OIL SPOUTING IN COLUSA COUNTY.

On January 25th, in prospecting an oil seepage on Mr. Gibson's land northwest of Arbuckle, Colusa county, an oil geyser was uncovered which filled a 1500 gallon tank in 30 minutes, and continued to flow. All the available tankage was filled and the oil ran to waste down the creek until a dam was constructed. This is the most remarkable strike made in California, and clearly indicates that this section will produce gushers. Experts estimate the commercial value of the oil to be four or five times greater than the Kern county oil.

The Colusa Consolidated Oil and Refining Company

at the request of many who are desirous of securing some holdings, have decided to place on sale a limited number of shares at the low price of

25c. Per Share, But No More at This Price.

This company is the largest and strongest in the field, having 4400 acres of patented oil land in the heart of this remarkable belt. The price will soon be advanced to $1.00 per share. We are offering the best proposition in the State.

Apply at COMPANY'S OFFICE

26 Montgomery Street

ROOM 8.

Branch Office: Room 325 Parrott Building.

Chapman of San Francisco and which contains 31,760 acres, will soon be developed for oil, and its quicksilver mines will again be worked. Williams returned today from San Francisco, where he has organized a company, with George W. McNear, president of the Contra Costa Flour Mills company, at its head. The new company proposes spending a big sum of money in its development. Twenty-eight miles of wagon roads will be built on it immediately to reach conveniently the quicksilver mines and the new oil territory. Three oil rigs will be sunk immediately in the ranch and some fifty men will be given employment.

SAN BERNARDINO.

Mr. A. T. Corner, who owns a large tract of land near Barstow, was in town this week with samples of shale and fossiliferous rock which he states shows evidence of oil in that locality.

STA. ISLAUS

The Yellow Jacket Oil and Mining company has leased 160 acres to an Oakland company which will commence work at once.

SAN BENITO.

The Giant Oil company have leased 12,000 acres of the Topo ranch in San Benito and will commence work by Feb. 15.

The Watsonville Oil company, operating on the Sargent estate, struck oil at 650 feet. In twelve hours the oil rose 260 feet in the well. They will drill deeper.

C. J. Tallon left the city on Wednesday for Hollister to look after his large oil interests near that properous little city. Mr Tallon reports a ready sale of stock on the Hollister Crude Oil company and when the first block of 50,000 shares is disposed of a second block will be placed on the market at a great advance in price.

It is reported that the Nonpareil Oil company near Bitterwater will begin on No. 2 in a short time.

An oil rig is being erected on the Baldwin tract for the Hollister Petroleum Development company and drilling will begin at once.

A derrick will soon be up on the McAbr place, near San Juan, and the lumber is ordered for one on the Dougherty farm.

Mr. Sheridan of the Brown place, near Pacimes expects that an oil company will commence operations on his property before March 1st.

TULARE.

J. A. Hannah of Visalia, who was reported to have been arrested on charge of fraudulently filing on oil lands as a "scripper," has commenced suit in the Superior Court of Tulare county against the Los Angeles Herald for $100,000, charging that paper with having published a defamatory and false article in its edition of January 12th, which did great injury to himself and family as well as his business.

VENTURA.

Adjoining the Golden West on the north, the Pure Oil company is making good progress with its first well, in which 13⅝ casing is being used.

The Aquila Oil company is down 100 feet in well No. 1, but as bed rock has been struck, progress will be slow for some time.

Up on section 16 Manuel Fitch and others are said to have found oil, but this news has not been confirmed.

It is said the Enterprise Oil company has moved one of its derricks over to the tunnel on section 14, and that a new well will be started this week.

Party who has half a carload of casing for Bakersfield desires to find some one who will use rest of car. Call at 209 Hearst Building.

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Telephone Main 5019 — Member Producers' Oil Exchange

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SAN FRANCISCO, - - CAL.

Notice of Annual Meeting.

Notice is hereby given that the annual meeting of the stockholders of the Templore Oil company will be held at the office of said corporation rooms 115-117 Phelan building, in the City of San Francisco, State of California, on Thursday, February 7th, 1901, at the hour of 8 P. M., for the purpose of electing directors for the ensuing year, and for the transaction of such other business as may properly come before the meeting.

Transfer books will close at office of the corporation on the 26th day of January, 1901, at 5 o'clock P. M.

WILL A. NEWCUM, President,
F. M. PERSINGER, Secretary.

A Guaranteed Investment

THE FAMOSO OIL AND INVESTMENT CO.

Offers to Investors an Absolutely Safe Investment.

The Famoso Oil and Investment company offers to investors an absolutely safe investment. Stockholders get back dollar for dollar in the event of failure to get oil. The system is both safe and certain. It is both an investment and speculation that appeals to all classes.

To the workingman it may mean a home and competency; to the professional man a residence on the sunny side of Easy street; to the business man more luxuries, and to the capitalist more money to treasure away.

The Famoso is capitalized for $350,000 Par value, $1.00 and is underwritten by the Pacific Coast Underwriting Company and guaranteed by the Continental Building and Loan Association of San Francisco, with assets of $1,700,000.

Incorporated under the laws of South Dakota, stock fully paid and non-assessable. Par value $1.00 per share guaranteed.

OFFICER

Jno. P. Albro - President
A. J. Munton - Vice-President
T. A. Sheppard - - Secretary
S. D. Miner - General Manager.

The organizers of the Famoso Oil and Investment company have agreed among themselves for the protection of the purchasers of stock that none but treasury stock will be sold until said company has producing wells, and all money received from the sale of oil to be paid out in dividends to the stockholders and not for the use of other developments.

We have a limited number of shares left and cordially invite the public to join us in the enterprise.

We have arranged to bore our first well and will commence operations as soon as material is on the ground. Our magnificent properties in the Sunset, McKittrick and Kern River districts are surrounded by producing wells and we are sure to get oil.

Call at our office for prospectus or information. Correspondence solicited.

Office, Room 393 Parrott Building, - San Francisco

Branch Office, 1330 E Street, San Diego, Cal.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, February 6:

AMERICAN FUEL.

100 at	27	27 00

ÆTNA.

1000 at	40	400 00
1000 at	39	390 00
5000 at	41	2050 00
4200 at	42	1764 00

BEAR FLAG.

200 at	47	94 00
1000(B60)at	47	470 00
600 at	46	276 00

BLACK JACK.

100 at	1 45	145 00

CAL. OIL, GAS & FUEL CO.

500 at	1 60	800 00

CONTINENTAL

150 at	1 00	150 00

CALIFORNIA STANDARD.

500 at	38	190 00
1080 at	37	214 60

CARIBOU.

200 at	71	142 00
50 at	73	22 50
100 at	77	77 00
250 at	84	210 00
75 at	80	60 00
200 at	87	174 00
100 at	86	86 00
600 at	85	510 00

CENTRAL POINT.

100 at	2 85	285 00
100 at	2 70	270 00

EL DORADO.

300 at	2 00	600 00
100 at	2 15	215 00
200 at	2 25	450 00
1700 at	2 05	3485 00

FOUR OIL CO

1600 at	55	880 00
2250 at	58	1305 00
200 (S 30)at	60	120 00
2200 at	56	1332 00
8200 at	60	4920 00
4600 t	59	2714 00
200(S30) t	58	116 00
500 a	57	285 00

HANFORD.

1 at	123 00	123 00

HANFORD-FRESNO-KERN RIVER.

300 at	39	117 00
500 at	38	190 00
400 at	37	148 00
1100 at	35	385 00
200 at	31	62 00
400 at	30	120 00

HOME OIL.

350 at	4 15	1452 50
150 at	4 20	630 00
1075 at	4 25	3568 75
100 at	4 30	430 00

INDEPENDENCE.

200 at	20	40 00
600 at	18	108 0
4750 at	19	902 50

JUNCTION.

100 at	86	86 00
200 at	89	178 00
700 at	90	630 00
2750 at	87	2402 50
1500(B60) at	90	1350 00
1200 at	85	1020 00

KERN OIL CO.

100 at	11 75	1175 00
180 at	11 62 1-2	2092 50

KERN RIVER.

200 at	18 00	36 00

LION.

1000 at	20	200 00
100 at	21	21 00
1500 at	22	330 00
3660 at	24	878 40

McKITTRICK CONSOLIDATED.

500 at	15	75 00
3000 at	10	300 00
27 at	05	1 35
100 at	11	11 00

MONARCH OF ARIZONA.

200 (B60) at	87	174 00
3850 at	85	3272 50
1150 at	86	989 00
1025 at	84	861 00
300 at	83	249 00

MONTE CRISTO.

400 at	2 42½	970 00
1800 at	2 45	4410 00
550 at	2 50	1455 00
700 at	2 47½	1832 50
50(B30)at	2 50	125 00

OCCIDENTAL OF W. VA.

100 at	75	75 00
25 at	76	19 00
100 at	67	67 00
200 at	72	144 00
100 at	74	74 00
1025 at	70	717 50
600 at	69	416 00
300 at	68	204 00
100 (S90)at	70	70 00

OIL CITY PET.

14 at	35 00	490 00

PEERLESS.

50 at	8 37½	418 75
50 at	8 62½	431 25
50 at	8 75	437 50
10 at	9 00	90 00
100(B 30) at	9 00	900 00
130 at	8 50	1105 00
150 at	8 87½	1331 25

PETROLEUM CENTER.

1000 at	22	220 00
20130 at	23	4629 90
5888(B30)at	24	1413 12
6400 at	24	1536 00

REED CRUDE

1850 at	68	1258 00
2800 at	70	1960 00
3300 at	69	2377 00

REX.

100 at	65	65 00

SENATOR

50 at	2 20	110 00
25 at	2 25	56 25

SAN JOAQUIN.

50 at	13 00	650 00
200 at	13 25	2650 00
50(B30)at	13 50	675 00
25 at	13 37½	334 37½
70 at	13 50	945 00

STERLING

100 at	3 35	335 00
18 at	3 25	58 50
100 at	3 30	330 00
100(B 5) at	3 30	330 00

S. & McKITTRICK

10 at	1 50	15 00

SUPERIOR

1500 at	30	450 00

ROYAL

50 at	40	20 00

TWENTY-EIGHT

350 at	2 25	787 50
25 at	2 27½	56 87½

THIRTY-THREE.

10 at	13 00	130 00

WEST SHORE

80 at	4 65	232 50

WOLVERINE.

500 at	1 67½	837 50
200 at	1 62½	325 00
1500 at	1 60	2400 00

YUKON.

400 at	56	224 00
900 at	57	513 00

Shares 123,528 Amount $89,987.36

In the action of the assessed stockholders of the Union Jack Oil company against the directors of the corporation, the Superior Court of Los Angeles denied the petition for an injunction restraining the directors from selling the stock remaining delinquent for assessment on February 5. By this decision not a few stockholders will lose their money invested

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OIL CONSUMPTION.

What a San Francisco Paper Says About California Oil.

On Sunday last the San Francisco Chronicle had the following timely editorial concerning the oil industry of California. The article is particularly important for the reason it deals with criticisms which are now being made against oil. There are always croakers in every state, but those of California seem to be more numerous and more bitter than the "knocker" of other states.

The chief criticism against the success of oil has been that there is great danger of over production; and that when this occurs oil will not bring a price sufficient to make its production profitable.

The Chronicle ably shows that there is no present danger of over production, and that the demand for oil will increase much more rapidly than the available supply. The article in full is as follows:

The enormous development of California petroleum fields now under way or projected in the near future creates considerable speculation and some anxiety as to the uses to which it will be put. California is peculiarly situated in finding a market for a fuel commodity of this sort. To the north, Oregon, Washington and British Columbia have their own coal beds, and it seems probable that both of the states possess petroleum fields of their own. Arizona already figures as an oil producer, and the fine anthracite and bituminous coal mines of Colorado and Utah offer formidable competition on the east. Certain uncompromising figures confront the producer of oil. San Francisco, his chief market, last year absorbed a total of 1,889,128 tons of coal, 189,507 being produced in this State, which it would be undesirable to supplant.

Last year's production of fuel oil in this State, it is estimated by conservative authorities, will foot up a total of 4,300,000 barrels. If every pound of foreign coal now brought into the local market were to be replaced by oil this would make a market for but 6,290,796 barrels, estimating upon the conceded basis that 3.33 barrels of petroleum equal in heat energy a ton of the best steam coal.

It may be assumed that the oil already produced commands its market, outside of the coal consumption, but as its production is advancing not by arithmetical but by geometrical progression, it is evident that were it to be placed under every steam boiler in this city, little relief would be afforded to offset the congestion of product which must take place if the expectations of the oil men are realized.

To master the situation, to protect one of the best industries ever organized in the State from temporary discouragement or disaster, it is urgent that these figures should receive the gravest consideration and a general and concerted movement be initiated toward enlarging the market for petroleum before the limit of consumption be approached.

Other industries might be conveniently handled with a glutted market. Ore can be stacked or housed; but a flowing petroleum well is often with difficulty capped, and its product, overflowing its tanks, must stream over the country, resulting in an unsightly waste and doing injury to the soil it covers. The expensive drilling and pumping plants must be kept perpetually at work if they are to be preserved. The industry is one which must know active life and progress, or it must fall into swift decay. Happily California has close at hand and within herself resources which should create a profitable market for every barrel of oil that the State is likely to ever produce.

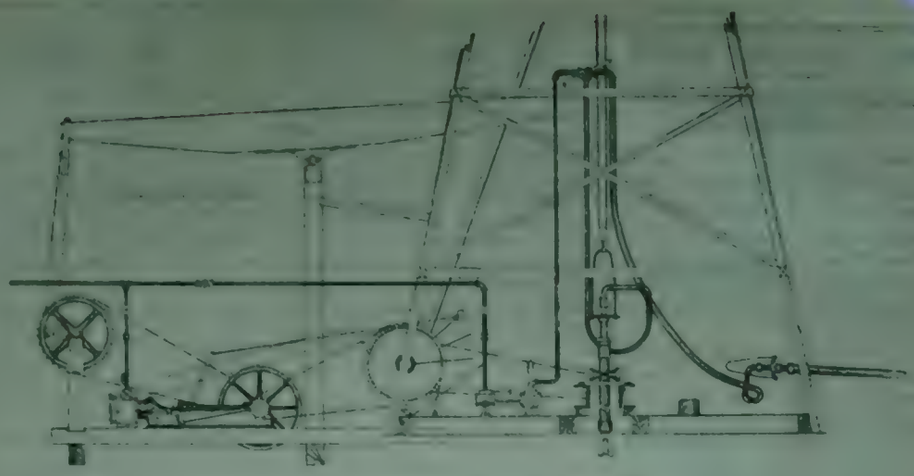
This State is one of vast undeveloped resources. The mineral wealth of California is by no means confined to her high-grade gold and silver ores. She has, first and foremost, immeasurable bodies of low-grade ores, which science has taught the manner of working profitably. The one great drawback to thickly sowing the State with stamp mills and reduction works for the working of thousands of mines has been the lack of economic fuel.

Here we have the remedy, and a grand stimulus to new development and production of California mines and ores. Iron, lead, zinc, copper and a dozen other important economic minerals exist in abundance, needing only cheap power for their working. The magnificent granite and marble and travertine and onyx and sandstone and limestone quarries of the State, capable of supplying magnificent building and ornamental stone in great variety, lie unworked for lack of cheap fuel. Some of them are neglected for lack of cheap transportation, which the fuel supply will again solve.

A hundred manufacturing industries have now their justification for springing into being, when it has become apparent that the energy needed to turn their wheels is native to the State. Every industry already founded should receive new impetus and expand its scope, for an allround development and progress is going to bring a population which will increase the measure of consumption of every article.

An important field of consumption for fuel oil which should be commanded at an early date is upon the battle-ships and army transports, already regularly leaving this port in large number for transpacific trips. The fuel oil of California averages about the same weight to the bulk as the best steam coal, but its heat power is 50 per cent. greater than steam coal of the same weight. Battleships and transports, by its use, would increase their fuel capacity one-half, a most important consideration. No material change in steamship power equipments is necessary for its application. As a steam fuel it is more easily handled than coal, better adapted to rapid steam raising and long continued operation at the maximum capacity, and it creates less refuse. It would economize Government fuel bills probably 100 per cent.

For the rest, while prohibitive rail rates forbid the exportation of petroleum by land, California has the world for her market by sea. A vessel carrying a cargo of crude petroleum recently steamed from Borneo to London, drawing upon her cargo for fuel, and arrived in the British port with that cargo virtually intact. The day will come when this State will send out her petroleum to the world's harbors, propelling the steamships that carry it by energy drawn from the same source.



SIDE ELEVATION OF RAPID WELL DRILLING MACHINE

The above is a picture of a hydraulic rig somewhat similar to that which drilled the Texas gusher, a description of which appears on page 5 of this issue. Several of these rigs are now in successful operation in this state.

A Protest.

OAKLAND, CAL., Feb. 1, 1901.

To the Editor.

DEAR SIR: I wish to call the attention of the friends of the mining industry in California to Senate Bill No. 106—introduced by Senator Smith of Kern. This bill conflicts with the United States Statutes.

A similar bill was repealed in 1899—why introduce it again. The only change wanted by miners in the present location law, is to the Mexican system of charging a fee for hold mining claims instead of by assessment work, and this charge can only be made by Congress. If Senator Smith is a friend of the industry he will withdraw the bill. In the meantime it is every mining man's duty to protest again its passage through his senator and assemblyman.

J. BELL,
Pub. M. Laws of Cal.

Oil in Stanislaus.

The Tuolumne Independent states that oil has been actually discovered in a shaft sixty feet deep, situated about eight miles southwest of Knight's Ferry and four miles from the Stanislaus river.

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5 p. m.	8 a. m.

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Secure time tables and any desired information from any agent of the Southern Pacific Co.

SOUTH OF KERN RIVER.

Important Development Work Now Going On.

A week or two ago the PACIFIC OIL REPORTER published an article showing there was a growing confidence that the territory south of Kern River in the Kern River district would soon show as much oil development as the territory north of the river.

The confidence in this country is rapidly increasing as is evidenced by the fact that at least a dozen drills are now at work there, and that a good many companies have been organizing or are organized to commence immediate work in this portion of the Kern River district. On section 15 the Caspian company which abandoned its well at about 830 feet a year ago will soon resume work. A company is being organized on 19 29-28. Work has already been begun on 16, 29-29 and in range 28 three rigs are working on 10, one on 2, one on 15, one on 17 and another on the northwest quarter of 15.

On the first a Los Angeles company will commence on section eleven. Other companies operating on the south side are Acacia, Kern King, King Solomon, Twenty-three Oil company, Astor Oil company, the West Shore, Reed Crude and the King's County Oil company.

An exceptionally strong company is now being organized to operate on 36, 29-28. The company has secured 160 acres of patented land which they will buy outright. Already enough money is in sight to pay for the land and it is expected that a rig will be at work within sixty days.

Proposed Railroad to Tidewater.

A project to build a railroad from Bakersfield to Port Harford, taking en route the McKittrick and Sunset fields, is said to be gathering headway. Chicago and St. Louis capitalists are reported to be back of the scheme, which is feasible and can be made profitable. The road would afford an outlet for the product of the Kern oil fields independent of the railroads in the San Joaquin valley, and eliminate the possibility of the latter controlling the prices of oil by making exorbitant prices for shipment. But both companies know that there cannot be cheap oil unless transportation rates from the points of production to the points of consumption are low. The interest of the railroad companies as consumers of oil is important, of course, but it is insignificant compared with the interest they have in the traffic that will be built up in consequence of the ability of the user of oil to secure the commodity at a price that represents a reasonable freight rate to the transporter.

Desert Oil.

The well being drilled by the Kramer Consolidated Oil company, near Hiawatha, in San Bernardino county, has been abandoned. Heaving sand gave the drillers so much trouble that no headway could be made, therefore the hole was left and another started. The second one is now down 300 feet shale and about forty feet a day is being made.

This field is nine miles from the town of Kramer, where it is reported that a company organized with Bakersfield capital has commenced work.

Reports have also been received that one of the companies drilling on the desert had struck a seven-barrel well.

The Monarch well was down 1100 feet last evening, and the drill was working in clay. The drillers express confidence that oil will be found on the other side of the clay. The indications continue about the same as they have been for some time past. The work of drilling is still in progress at the Victoria well.

Another Strike in Texas.

It is said that an immense flow of oil has been struck in a well that was being drilled on the ranch of the Kenedy Fulton Pasture company, near Portland, Texas, within a few miles of the Gulf coast, and nearly 300 miles west of the big gusher at Beaumont. The flow of the well is not known. Representatives of Eastern oil investors have just leased several hundred thousand acres of prospective oil lands in Duvan and Nueces counties, situated within a short distance of the new well on the Kenedy-Fulton ranch. The Southern Pacific company own nearly 100,000 acres of land in the new oil region of East Texas. A deal has just been concluded between this company and the representatives of the Standard oil company, whereby the whole tract is leased to the latter corporation.

Fractional Distillation.

Samples from the California Standard have been analyzed, or more strictly speaking, have had a fractional distillation made. The specific gravity of the oil in its original and undistilled state is 0 940, this being equivalent to 19 degrees, Baume.

On being subjected to distillation it shows, first, clear oil, with a faint pink tint, which has a gravity of 0.815, or 40½ degrees Baume. This is an illuminating oil. Next there is produced a red oil with a gravity of 0.869, or 32½ degrees Baume. This is a lubricating oil. Finally we get a dark oil with a gravity of 0.983, or 12 degrees Baume. This, too, is a lubricant. The residue is coke, the oil having an asphalt base. The test shows, first, an oil which, in its original state, is an unusually good fuel oil, and when distilled gives three oily products—an illuminant and two lubricants.

Temperature		By Volume	By Weight
392°-482°	Light Oil	14	11.41
482°-680°	Red Oil	20	17.36
680°-Red Heat	Dark Oil	60	58 98
	Residue	6	5.75
		100	93.50

The Cripps Case.

In regard to the settlement of the Cripps case against the Ætna Petroleum company the settlement was made not because they had scrip locations upon the lands, but in view of conflicting mineral locations that would have taken years to settle, and in the meantime the land could not have been developed and would probably have been largely drained by reason of the pumping of wells on adjoining land.

THE NEW ERA.

Most of the Stock Already Sold.

The New Era Oil company, which has secured fifty acres of magnificent land opposite the tanks of the Standard Oil company in the Kern River district, have sold nearly all the treasury stock which was placed on the market thus making it possible to commence work in a few weeks. This land is within a mile and a half of Bakersfield and the railroad runs directly in front of it. The president of this company is Hon. William H. Mills, the land agent of the Central Pacific, who is now taking an active interest in oil matters. Strong companies are now drilling on each side of the property of the New Era company and oil has been found so near its holdings as to make it absolutely certain that this property lies within the proven oil belt.

NOTICE OF ASSESSMENT.

CONTRA COSTA OIL & PETROLEUM COMPANY. Location of principal place of business, San Francisco, California. Location of works, Contra Costa County, California.

Notice is hereby given that at a meeting of the Board of Directors, held on the 21st day of January, 1901, an assessment [No. 1] of one [1] cent per share was levied upon the Capital Stock of the Corporation, payable immediately in United States gold coin, to the Secretary, at the office of the Company, Room 312, Examiner [Hearst] Building, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 23rd day of February, 1901, will be delinquent, and advertised for sale at public auction; and unless payment is made before, will be sold on TUESDAY, the 12th day of March, 1901, to pay the delinquent assessment, together with the cost of advertising and expenses of sale.

By order of the Board of Directors.

FRANK McGOWAN, Secretary.

Office, Examiner [Hearst] Building, Room 312, San Francisco, California.

Thomas Price & Son

Analytical and Consulting Chemists

526 Sacramento street, San Francisco

Normal Oil Co.

Organized Under Laws of Arizona

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Our Record!

Dec. 13, '00, Incorporated.

720 Acres of Land

Jan. 20th, '01, **$5000** in our Treasury

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Our Company will be as near a close corporation as possible; therefore will sell only a small amount of our treasury stock. We put it at the price to sell quickly, and price is subject to raise at any time. Our land is situated in the **heart** of the **Oil Belt** of San Luis Obispo and Monterey Counties, and has been experted by State Mineralogist Cooper and other noted experts, and by them pronounced **absolutely sure of Oil.** Capital stock, 750,000 shares; par value, $1.00.

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Orders the Holiday "Oil Reporter" to Every Senator and Congressman

Among the many substantial evidences of appreciation of the worth of the PACIFIC OIL REPORTER'S holiday number none was received with greater pleasure than that of Senator Thomas R. Bard, who ordered a copy sent to every Senator, Congressman, Senate and Congressional official at Washington. This was done in order that the extent and importance of the California oil industry might be understood by those who will undoubtedly effect important changes in legislation effecting the oil industry, especially in regard to matters pertaining to the securing and holding of land.

Newspapers from all over the state continue to praise the PACIFIC OIL REPORTER, as the following extracts testify:

The PACIFIC OIL REPORTER was one of the first papers in California to spring into existence with the sole mission of representing the petroleum industry. Its second holiday issue which has been received is a fully illustrated review of the growth and progress of the industry during the last twelve months and covers effectively the whole field of operation in California.—Riverside Enterprise.

The PACIFIC OIL REPORTER is among the latest acquisitions to our editorial desk. It is one of the most complete publications of its kind in the State. It covers the field completely. The Christmas number of this excellent journal exceeds any previous issue. In this day of oil discovery and oil development in every part of our commonwealth, what is more necessary than a journal which makes a special or sole feature of the oil interests. The REPORTER is published at 318 Pine St., S. F.—Santa Cruz Record.

AT LOS ANGELES.

Merchants' and Manufacturers' Association Oppose Senator Currier's Bill.

At a special meeting of the Board of Directors of the Merchants' and Manufacturers' Association of this city, resolutions opposing this legislation were adopted. After reciting the essential features of the proposed legislation and adverting to the fact that it "has been satisfactorily proved that the illuminating oil refined from California crude oil is a safe and satisfactory product at 110 fire test," and adverting to the destruction of the refining interests threatened, the resolutions proceed:

"Resolved, That the Merchants' and Manufacturers' Association of Los Angeles is opposed to the passage of any of the bills now pending in the State Legislature on this subject, and is opposed to the multiplication of officeholders by the appointment of oil inspectors; and, if any legislation whatever s had with regard to the fire test of illuminating oil, is in favor of establishing said fire test at 100 degrees Fahrenheit; be it further

"Resolved, That a copy of this resolution be forwarded to each member of the Senate and Legislature of the State of California, and that they be requested to use their utmost endeavors to defeat the passage of said pending bills."

WILL CONSOLIDATE.

Three Strong Companies Propose to Unite in One.

A plan has been about consummated by which the Rex Crude Oil company, the Yukon and the American Fuel will be amalgamated on an equitable basis taking into consideration the wells, personal property, machinery, pumping plants of each company, actual gross production and net earnings made during the past twelve months

When the consolidation is effected, the company, as consolidated, may be sold in the East where there is an increasing demand for producing properties.

Oil Companies Incorporated

Signal Mountain oil company. Principal place of business, San Diego. Directors—E L Shaller, F S Banks, A F Connell, D P Harrison, [illegible] H Swallow of San Diego. Capital stock, $[illegible], subscribed in full.

San Francisco Oil Exchange. Principal place of business, San Francisco. Directors—W W Gallin of San Jose, L Meyer, W L Soule of Alameda, P J Callagan, H C McPike of Oakland, S Otis, C P Kemp, C Hirsch and A Gerberding of San Francisco. Membership fee $[illegible].

Gould Central Oil company. Principal place of business, San Francisco. Directors—J L Gould, C Petersen, A B Fowler of Alameda, C L Metzger, J J Hamilton, E M Hall of Oakland and E M Whitley of San Francisco. Capital stock $1,000,000, subscribed $[illegible].

Colusa Consolidated Oil & Refining company. Principal place of business San Francisco. Directors—W M Stover, D W Sutherland, R Rogers of San Francisco, W D Holcomb, F V Smith of Berkeley, J T Victor and W Q Clark of Napa. Capital stock $[illegible], subscribed $50.

Meneta Oil company. Principal place of business, San Francisco. Directors—T P Robb of Bakersfield, A L Coombs, J L Holland, J H Blewitt of San Francisco and B Noyes of Oakland. Capital stock, $250,000, subscribed $[illegible].

Memphi Oil company. Principal place of business, Los Angeles. Directors—W F Sherwood, E O Robinson, S R Thorp, H B Thorp, of Los Angeles. Capital stock, $200,000; subscribed, $50.

Premium Oil company. Principal place of business, Bakersfield. Directors—T H Fogerty, F Gunther, J S Carroll, H K Wheeler and F W Burt of Bakersfield. Capital stock, $100,000; subscribed $80,000.

Enterprise Crude Oil company. Principal place of business, Bakersfield. Directors—J T Walker of Wadsworth, Nev., F Kettlehut, F B Daves, G W Price and C L Claflin of Bakersfield. Capital stock, $500,000; subscribed, $90.

Columbian Paraffine Oil company. Principal place of business, San Francisco. Directors—J M Gleaves, B F McKinley, C B Gleaves and C S Baillie of San Francisco. Capital stock, $500,000; subscribed, $500.

California Northwestern Oil Development company. Principal place of business, San Francisco Directors—J F Burgin, F C Chadbourne, J C King, G A Stutevant of San Francisco and A M Duncan of Fish Rock. Capital stock, $500,000; subscribed, $2,500.

Buchanan Oil company. Principal place of business, San Francisco. Directors—J Curtin, J F Seymour, W J Sutherland, G J Buckuall and C H Barrett of San Francisco. Capital stock, $500,000, subscribed, $500.

Diamond Jubilee Oil company. Principal place of business, Bakersfield. Directors—E J Stratton, S E Baily, H B Richarson, D W W Johnson of Bakersfield and W L B Handyside of San Francisco Capital stock, $250,000, subscribed $50.

Sonora Oil company. Principal place of business, Sonora. Directors, J Blois, W W Eastman, M H Sanford, T W Wells and F Sutton of Sonora. Capital stock, $400,000, subscribed, $170.

Arlington Oil company. Principal place of business, Bakersfield. Directors, C J Raaz, W J Bennett, T H Fogerty, T A Moncure and F J Eckoff of Bakersfield. Capital stock, $500, subscribed, $900.

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Our derrick and bunk houses are finished and water pipe laid.

Capitalized for 500,000 shares at $1.00 each.

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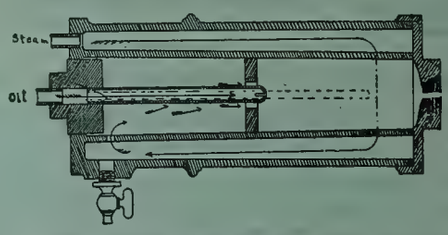

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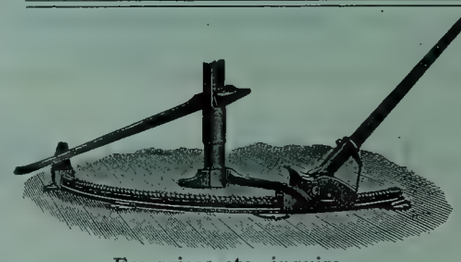

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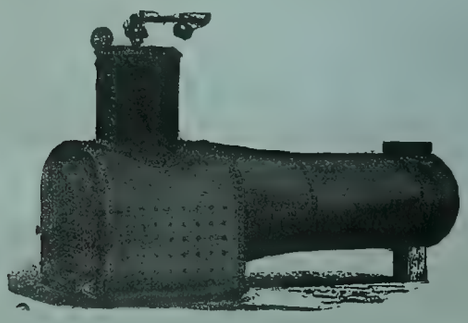

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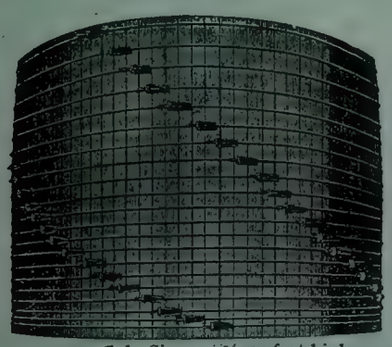

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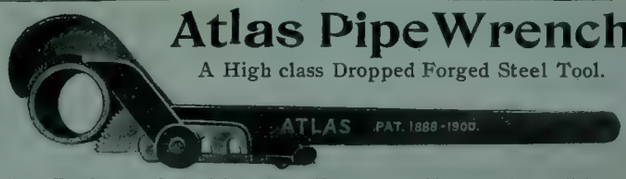

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Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 1460 acres Bakersfield and Sunset.
Officers: S F Barstow, president; W J Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary; H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BEAR STATE OIL CO.
Capital $200,000
200,000 shares at $1.
Location, Fresno county.
Officers—Chas. Owens, president; S. Aspland secretary; Geo. Buecker, treasurer, W M Walker, field superintendent.
Office, 916 Market st., room 53.

BONITA OIL CO.
Capital $500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Fransco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
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50,000 shares at $3.
Location—Fresno county.
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Office—561 Parrott Building.
Tel.—South 184.

COLOSSAL OIL AND MINING COMPANY.
Capital $500,000
500,000 shares at $1.00 per share
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice-president and manager, N. Hawthorne Spitzer, secretary and treasurer, A. W. Gale, superintendent of construction.
Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Abro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GRAND PACIFIC OIL CO.
Capital $1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizo a Central Bank, Flagstaff, Arizona.

GOLDEN REWARD OIL & DEV. CO
Capital $300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14 M D B and M.
Officers—J A Hu president and manager, M L Perry, vice preside t, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, M L Perry, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, Charles Tibbetts Edwin W Woodward, Special Agent, 11½ Montgomery street, San Francisco, Cal

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Capital $250,000
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125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland

GREAT NORTHERN OIL CO.
Capital $600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W. B Dennison, secretary and treasurer
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

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Capital ..... $200,000.
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LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 8 0 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

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Office—39 Flood Bldg

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Capital $400,000
400,000 shares at $1 par value.
Location: 410 acres in different sections of the McKittrick and Sunset districts in Kern county.
Officers and Directors—M C Nunan, president; A M Cox, vice president; J F Harris, treasurer; M L Culver, secretary; C W Duffie, superintendent of construction; Andrew Christensen, Jas A Wilson, Frank Serveria, C M Culver.
Office: Rooms 39 and 40, Crocker building, San Francisco, Cal.
Office hours from 10 a m to 4 p m.

INDEPENDENCE OIL CO.
Capital $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office, Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital $600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

MADERA CRUDE OIL CO
Capital $100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, west, S B B and M, Sunset district.
Officers and Directors: W C; Tighe, president; Joe Bancroft, vice-president J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building. adera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital $1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 428c acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D F Kellogg; E A Gilbert, A P Shepard, directors. Office—506 Hearst (Examiner) Building, San Francisco.

OCEANSIDE OIL COMPANY OF ARIZONA
Capital $375,000
375,000 shares at $100 each.
Location: 4070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street. Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

PETROLEUM CENTER OIL CO
Capital $500,000
500.000 shares at $1.00
Incorporated, October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-President, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland.
Office—Room 29, Third floor, Mills building, San Francisco

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District. Stockton. A Keller, agent S P R R Co. Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telepheno, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco, Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E, first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett, attorney, San Francisco M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building. San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president Allen Brant; vice-president, L A Spitzer, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco ffice: Room 311 Adams bldg, 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY.
Capital $500,000
500,000 shares, at $1 00 each.
Incorporated, July 31, 1900.
Land, 290 acres, in Sunset and Kettleman Districts.
Officers and directors—Ambrose Harris, secretary; Tyree A Bell, superintendent, John L Greer, San Rafael. W B Taylor, San Rafael, D C Campbell, Los Angeles, A H Brod, Paul Redfield Lewis, L Barrere, San Francisco, H L Gear Frank N Stone, attorneys, Germania Trust Company, treasurer,
Offices 611 612 613 Hearst Bldg, San Francisco,

SURETY OIL COMPANY

Capital.....$600,000
600,000 shares par value $1 00 each
Location, 240 acres in section 20 and 21, T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux President, Geo. Greely King, Vice President T H Pearne Secretary D. A Thieme, M C White
Farmers and Merchants Banks, depository
Office, 102 Henne Block, Los Angeles Calif

SALINAS OIL AND DEVELOPMENT COMPANY Incorporated October , 1900. Capital, $1,000,000. Number of shares [illegible] Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy San Francisco, vice-president, J J Gunn Independence; treasurer, Wm N McCarthy secretary J B Olsen San Francisco, superintendent Jno C Quinn; C A Burchom, J B Baker N A Isaro W J Ellis and S S Simon attorney Hon Eugene F Bert, San Francisco Office—Rooms 473-474 Parrott Building, San Francisco

SUPERIOR OIL COMPANY

Capital stock, 500,000 shares, par value $1 each
1060 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time
Officers and Directors—R S Aston, president W Dixon, vice-president, J W Crosland secretary and treasurer, Wm M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill Office, No 17 Galtes block Bakersfield, Cal.

THE RAVEN OIL COMPANY.

Capital stock $150,000 divided into 150 000 shares of the par value of $1 each Locations 162 59 100 acres in south half of south half of south half, section 6, 28-29 and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

THREE STATES OIL CO Limited.

Capital.....$1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Oon E P Colgan, I N Pattison, M F Levy
Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital.....$300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO.

Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger president; A P Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671

XLNT OIL COMPANY.

Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M
Office--- 552 Parrott building, San Francisco, Cal

YUKON CRUDE OIL CO.

Capital.....$250,000
100,000 shares at $2.50
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.
Office 638 Market street, San Francisco

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A very excellent speculation. Will sell at 15 cents per share.

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The price of
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has Advanced
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OFFICE: ROOMS 417-418 PARROTT BUILDING, NO. 855 MARKET ST., SAN FRANCISCO, CAL., 'PHONE **Howard 346**

MAP SHOWING LANDS OF

DIAMOND OIL CO

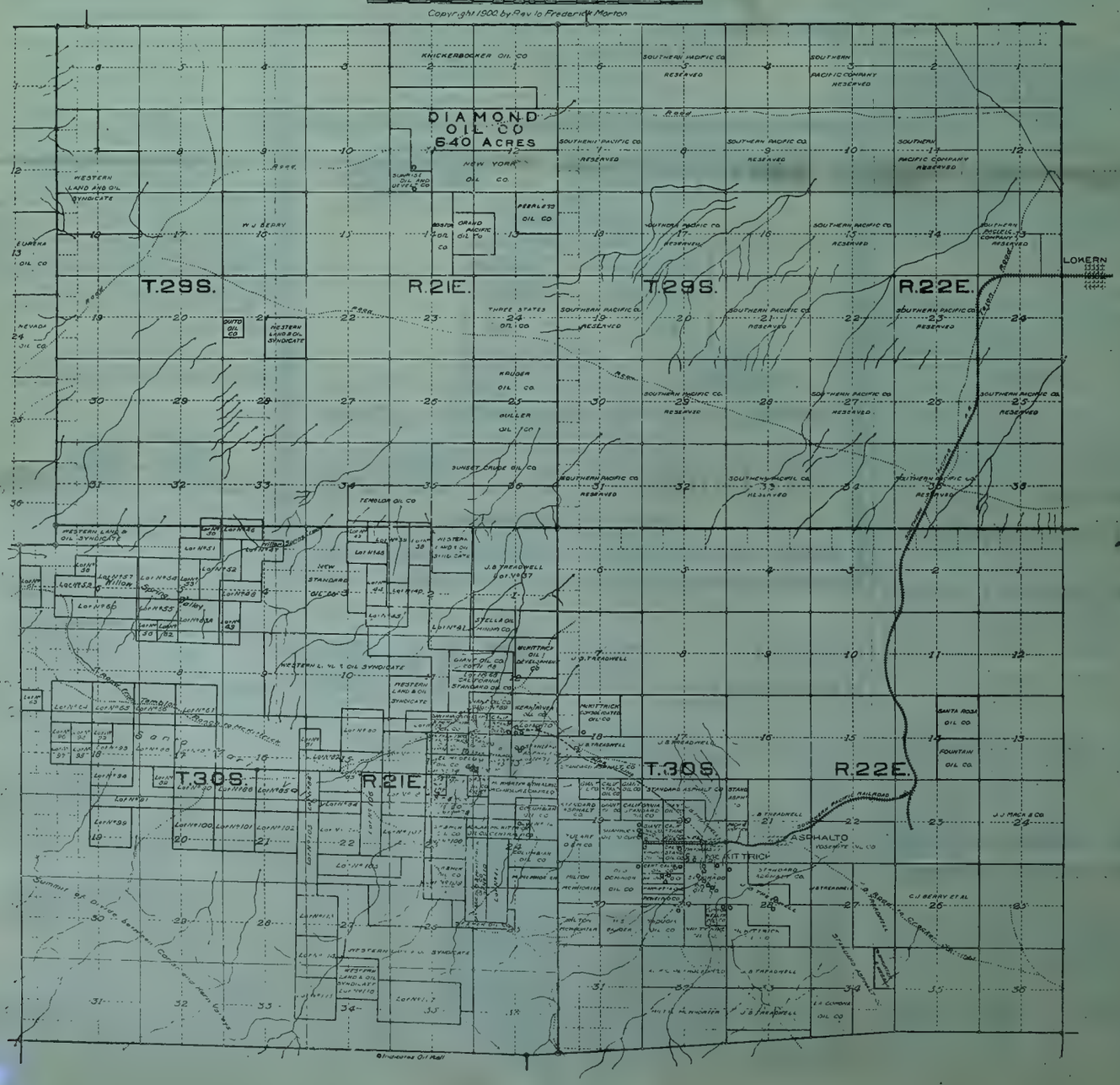
Kern County **McKITTRICK DISTRICT** California

COMPILED FROM OFFICIAL AND PRIVATE SURVEYS

R. F. MORTON C.E.

Scale of Chains — Scale of Miles

Copyright 1900 by Rev. Io Frederick Morton



Endorsed by the California Petroleum Miners' Association.

VOLUME 2

NUMBER 15

PACIFIC OIL REPORTER

SAN FRANCISCO, CALIFORNIA, FRIDAY, FEBRUARY 15, 1901.

R.H. HERRON CO.
DEALERS IN
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THE LATEST IMPROVED MACHINERY AND TOOLS. READING CASING AND TUBING.
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BAKERSFIELD. HANFORD
AND COALINGA.

NON-ASSESSABLE STOCK

California & Utah Oil Company

Incorporated under the laws of the State of South Dakota. Capital $1,500,000; par value $1.00 per share.

CALIFORNIA OFFICE **ADAMS BUILDING, 206 KEARNY ST.**

ROOMS 413 AND 414, SAN FRANCISCO, CAL.

E. V. BUCKOW, President. R. D. HEALEY, Vice-President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository.

——— The lands are located as follows: ———

Great McKittrick	160 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	160 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

This company is organized under the laws of the State of South Dakota, and therefore it is enabled legally to guarantee that all the shares of its capital stock are and shall forever continue to be non-assessable. It is provided in the Articles of Incorporation and in the By-Laws of the company that all stock fully paid up shall be non-assessable; therefore the holders of stock in our company may be fully satisfied that they will never be called upon to pay an assessment. A portion of the stock of the company will be placed in the treasury to be sold and used for the benefit of the company, thereby securing an ample fund for the development of all the properties. When a sufficient amount of stock has been sold, and the income from our OIL WELLS is sufficient to place the company on a dividend paying basis (which will be in the near future), no further stock will be sold.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE.

PROSPECTUS ON APPLICATION. TELEPHONE MAIN 846

OIL—The Esmeralda Oil and Development Co.—OIL

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As our test well struck oil at 32 feet it assures our future.

Free from Debt Ample funds.

No salaries paid to officers,

Treasury Funds to Be Used For Development Purposes Only.

OFFICERS AND DIRECTORS.

H. S. Field	President
W. J. Whitney	Vice-President
R. R. Haskell	Treasurer
P. H. Reynolds	Secretary
H. S. Field	Director
R R. Haskell	Director
A. Kingsbury	Director
W. J. Whitney	Director
Chas. T Behan	Director
Crocker-Woolworth National Bank	Depository

Since the organization of this company it has acquired 244 additional acres of fine oil lands in the Vallecitos District, San Benito County. This makes a total of 404 acres owned by this company. Capital stock 100,000 shares par $1.00. Treasury stock 40,000 shares. Limited amount to be sold. Stockholders are fully guaranteed against loss, as the officers and directors are men of wealth and integrity. Reference is made to the CALIFORNIA PETROLEUM MINERS' ASSOCIATION, San Francisco, Cal., or THIS PAPER.

A. KINGSBURY, General Agent. **565 Parrott Bldg., S. F. Cal.**

TELEPHONE—FOLSOM 1881.

Oil Men, Attention!!

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SAN FRANCISCO, - - CAL

PACIFIC OIL REPORTER

VOL. 2. NO. 15. SAN FRANCISCO, CAL., FRIDAY, FEBRUARY 15, 1901. PRICE, TEN CENTS

RIG BUILDING IN CALIFORNIA.

Old Style Standard Derricks and Some Important Improvements Suggested.

Cost and Time Required for Putting Up Derrick—Common Cause of Collapse—New Arrangement of Engine.

The first step in building is selecting a site. In selecting a proper site one must have in view a suitable location for the boiler at least 170 feet from the well, a level spot 70x30 for the engine and derrick and suitable drainage for the dumping of the drillings. In erecting the derrick the foundation sills are put in place, laid crosswise with the derrick and buried in the ground. These foundation sills (N) may be any desired size from 6x6 to 12x12, and vary in number from three to five under the floor of the derrick and three to six under the belt house. The mud-sills (A) are then placed upon the foundation-sills lengthwise with the derrick. The Sampson-post sills are next mortised into the foundation-sills, placed in position on the center line of the derrick. The legs or corners (T) are usually made by spiking lumber two inches thick by six and eight inches wide in the form of an L, tapering from the base, which is usually twenty feet square, to the top, four feet square. These two-inch pieces are either sixteen or eighteen feet in length. In practice the first piece in each corner is but seven or eight feet in length, and the next piece double that length. By spiking them together thus the the lap or ends of the board on both sides of the corners do not meet at the same place but in the center of the other side piece. Just as soon as the first two pieces are placed at each one of the four corners of the der ick, a girt or cross-brace is placed in position from the first corner to the second, another from the second to the third and so on around the derrick in such a manner that it covers the place where legs of the derrick meet, thus strengthening them. Another girt is now added, as the rig-builders say, that is, the four corners are heightened seven or eight feet, and the four cross-braces are spiked in position, the same as in the previous operation. The first set of rig braces (V) are now put in position between the two cross-braces last inserted, making a figure like the letter X. The strength and durability of the rig depends entirely upon these girts and derrick braces fitting exactly. The girts should be full length, reaching from one leg to the other, and the cross braces should fit snugly into the corners, touching both the girts and the corner legs, having no sharp points on them. Carelessness in this respect is the usual cause of derricks collapsing when under strain.

This process of heightening the derrick is continued until the desired height is reached, varying from fifty-six to eighty-four feet, this being dependent on the kind of rig used. A fifty-six-foot derrick is built when it is desired to use a short string of tools, pull a single length of casing, tubing or sucker-rod at one operation. A sixty-four foot derrick is employed for a long string of tools, or raising two lengths of casing, tubing or sucker-rod at one operation. A seventy-two to eighty-four-foot derrick is used where a full string of heavy tools, with an additional sinker bar and top and bottom set of jars is employed. A derrick less than fifty-six feet in height is not practicable and in fact cannot be used with safety because of the length of the string of tools.

When the desired height is reached, a cornice is made around the top, by spiking two, three or four thicknesses of girts around the top, in order to make a firm and solid foundation upon which to place the crown-block. The crown-block is made of three or four pieces of selected hard pine three or four inches thick and twelve inches wide, so spiked and bolted together that spaces are left between each of these twelve-inch pieces. These spaces are sufficiently wide to allow the placing of several rope and wire line sheaves (i) as the entire strain occasioned by the lifting and dropping of the string of tools, often weighing more than two tons, the insertion and pulling of casing, sometimes weighing fifteen to eighteen tons, is all placed upon this crown block (X) and foundation cornice-work under it, it is needless to say that great caution should be employed in selecting the material and putting it together. The destruction of the derrick is a very small item in case of an accident compared with the loss of life of employees, the loss of the tools and the destruction of the well.

Next the Samson post (I) an upright post supporting the walking beam is placed in position firmly braced, and the walking beam (J) fastened to it by a cast iron boxing and a pin known to oil men as a saddle (C). The jack posts (EG) or upright posts supporting the large wooden drive pulley called a band wheel (L) and the iron drum called the sand reel (K), upon which the steel cable or sand line, is wound, are next placed in position, and the band wheel and sand reel placed on these posts. A hardwood pitman (M) is fastened to the outer end of the walking beam by means of a large iron stirrup and the other end connected to the crank on the band wheel shaft. The boxings are simply made by boring holes in various posts and crown block, just as was done twenty years ago. As is to be expected this makes a very poor arrangement of boxing, and one that lasts but a few weeks. Conditions in California incident to the heaving sand require constant use of this machinery for removing sand, a difficulty not experienced in the East, and this boxing receives much more wear in consequence. The expense of the band-wheel, jack posts, and wooden bull-wheel is about three hundred dollars, including the builder's time, which is about 50 per cent more than the cost of the rest of the derrick. These wheels need to be replaced three or four times during the life of the derrick. These figures include a belt-house and engine-house sided and roofed A naked derrick, such as is usually put up for assessment work will cost about one hundred dollars erected, requiring about three thousand feet of rough pine, while a complete derrick, with engine and belt-house, covered and sided, will require seven thousand feet of pine and two thousand feet of redwood siding. It will take three good men two weeks to put this up complete.

A number of derricks have been built recently that are designated to overcome some of the objections to the old style derrick. It has frequently been noticed that in collapsing the corners of the derrick open out and thus draw the spikes. To avoid this the girts are placed on the outside of the derrick as shown in Fig. 2, and extended so that one girt overlaps the other and is spiked thereto. The cross braces are placed on the inside as in the old style, and thus prevent the corners from collapsing inward. Another innovation consists in building the derricks with a pipe inlet as shown in the illustration. This illustration shows

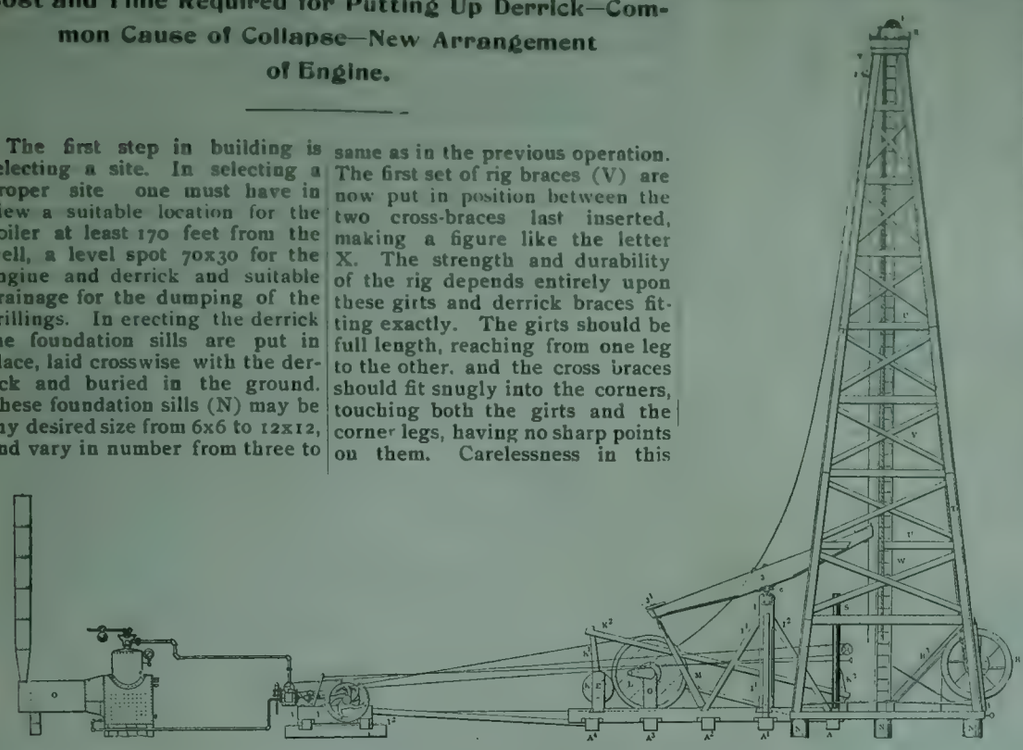

FIG. 1.—STANDARD DRILLING RIG, WITH MACHINERY IN PLACE.

A, Mudsills, 1, 2, 3, 4. B, Main sill. C, Sub sill or counter sill. D, Sand reel tail sill. E, Knuckle post. F, Tail post. G, H, Jack posts. I, Samson Post. J, Walking beam. K, Land reel. L, Band wheel. M, Pitman. N, Derrick foundation posts. O, Derrick mudsill. P, Derrick floor sill. Q, Derrick floor. R, Bull wheels. R, Bull wheel posts. S, Headache post. T, Derrick corner. U, Derrick girt. V, Derrick brace. W, Derrick ladder X, Crown block. Y, Sand pump pulley block. a Flanges, b, Crank shaft and wrist pin. c, Saddle and side irons, d, Stirrup. e, Drilling hook. f, Brake lever. g, Brake band. k, Engine. o, Boiler.

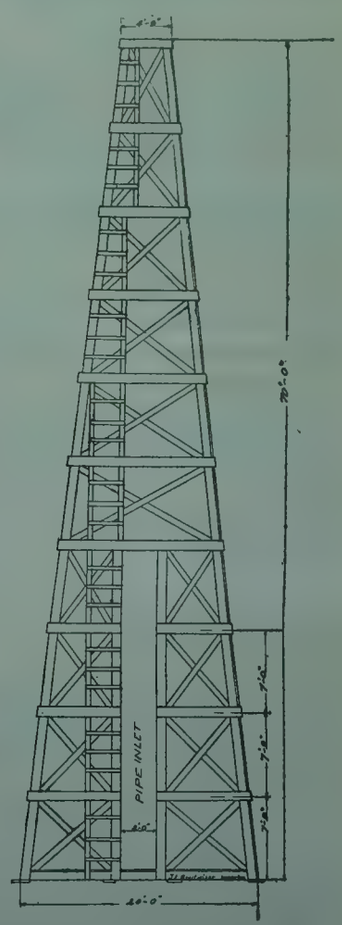

Fig. 2.—Suggestion for new style derrick now in use in Kern county, California. Pipe inlet for casing or tubing and improved style of braci g. (Copyright, patent pending).

the side of the derrick directly opposite the engine and machinery. Such a pipe inlet is of great benefit in California drilling especially where it is necessary to insert or remove casing, tubing or tools quickly, as forty or even sixty foot lengths can readily be taken into or out of the derrick, thus avoiding the delay of unscrewing each joint.

Another improvement in the same rig is the use of all iron friction rope drum or bull-wheel and sand reel. The boxings of these drums are also of iron, securely bolted to 8x8 upright posts, and the belting is all iron sprocket chain throughout, doing away with the 90-foot belt leading from the engine to the band-wheel, and the lagging to the band-wheel, requiring 240 feet of rope, and the 85 feet of bull rope reaching from the band wheel across the entire derrick floor to the bull wheel. As will be noticed in the cut, Fig. 3, the rope drum and sand reel are both on the side of the derrick near the engine, which is but six feet away. Another advantage is gained by this style, in that the entire floor of the derrick is unobstructed. It will also be noted that the driller stands with the lever to the rope drum at his right hand, the sand reel to his left, and the engine but six feet to the rear, where he can reach any part of the machinery instantly in case of accident. Both drums are operated by friction levers, stopping or starting instantly at any desired point, raising or lowering the tools, casing or bailer without reversing the engine or throwing on or off a single belt or rope. There is no kicking the engine off its center, tramping the bull-wheel, throwing off or on the bull-rope or taking up the slack, so common with the old style. The engine in this style rig is bolted to one of the mudsills upon which the entire derrick rests, therefore there is no possibility of its moving from place.

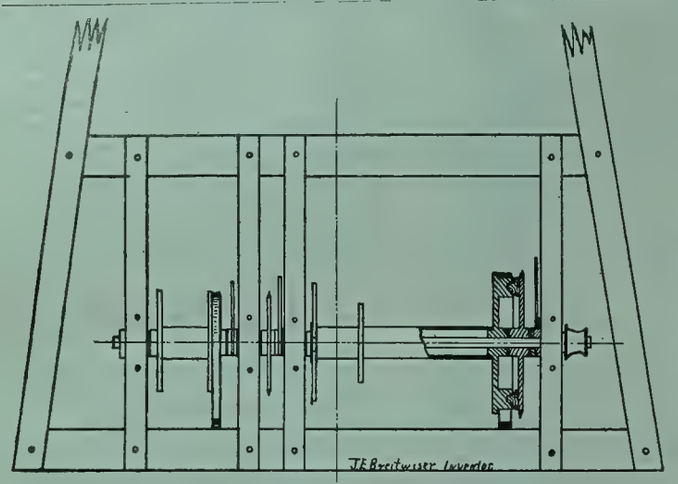

Fig. 3.—Rear elevation of derrick base, showing position of rope drum and sand reel.

Law For Oil Men.

No California corporation stock is non-assessable. Any stock in any California company is liable to assessment. It does not follow that it will be assessed, but there can be no legal assurance that it is non-assessable.

Where a claim is located for a stated width and length, and after the monuments have been fixed and described in the location notice, and the latter posted and recorded, it is found that less length or width than that claimed has been included within those monuments, they can be changed, or, if stakes, can be moved out, to get the claimed length and width —provided such additional ground is still subject to such location, and also provided that when such extension is made a new notice of location, describing the stakes or monuments as fixed by the change, is posted and recorded. The courts have held, however, that if such territory, after being incorrectly located by monuments and the ground adjoining taken up by a second locator, the new location will hold according to the monuments.

The legal way for the owner of property giving a lease or working bond to protect himself and his property from liability for material furnished or labor done thereon under the lease or bond is to conspicuously post notices, before such work is begun, that the work is to be done, under bond or lease, to the parties named, and that the owner disclaims for himself and the property all liability for cost of such work. He should also have in the bond or lease a distinct condition that the parties of the second part shall pay for all work and labor under such lease or bond, and that paper should be duly recorded.

On Roumanian Engines.

At a recent meeting of the Roumanian Oil Trust, Limited, Lord Westbury in an address, said:

"It was only three years ago that the Roumanian government satisfied itself as to the desirability of converting its railway engines to burn oil. At the present time 300 locomotives out of 500 are burning a substance composed of lignite and fuel oil. I have also seen a statement in a Roumanian paper that the Government River company has just decided to adopt liquid fuel in preference to coal, and has made an important contract for a supply of that commodity. Besides this, the various factories throughout Roumania have realized that oil is the most economical—the best heat-producing fuel obtainable."

The consumption of fuel oil is growing gradually, and must necessarily interfere with coal later on as a steam producer. Contracts for future delivery of oil are being made at reduced figures.

PETROLEUM OUTPUT.

Comparative Production of Last Two Years.

The most conspicuous features in the petroleum developments of the United States for the past year were as follows: (1) The total quantity of crude petroleum produced in 1899 showed a considerable increase over that of 1898; (2) there was a large increase in the number of wells completed in both the Appalachian and the Lima-Indiana petroleum fields; (3) there was a large increase in Southeastern Ohio and a considerable increase in Texas in 1899, as compared with 1898; (4) only about 7 per cent of the total amount of petroleum produced in the United States came from the outside of the Appalachian and the Lima-Indiana fields; (5) there was a decrease in the stock of crude petroleum in the Lima-Indiana field and a slight gain in the stocks of the Appalachian field: (6) the price of crude petroleum at the well was largely advanced; (7) the export of petroleum decreased, but the increase in value made the receipts for 1899 over $12,000,000 greater than in 1898.

The total production of crude petroleum in the United States for 1899 was 57,070,850 barrels, of 42 gallons, as compared with 55,364,233 barrels in 1898 and 60,475,516 barrels in 1897. The increase during 1899 over the preceding year was 1,706,617 barrels, or a little over 3 per cent. The production for 1896 was 60,960,361 barrels, the largest on record; 1897 was a close second, while 1899 is third and 1898 fourth in order.

The average price per barrel of all the oil produced in the United States during 1899 was $1.1315 as compared with 79.8 cents in 1899, as compared with 91⅛ cents in 1898 and 67.6 cents in 1897. The gain in price during the past year was 33.4 cents or about 42 per cent. The production of 1899 was only 1,706,617 barrels in excess of that of 1898, but owing to the advanced prices the value of the product in 1899 was $20,410,545 greater than that of 1898. The average price of what is known as "Pennsylvania oil" (which includes about 95 per cent. of the Appalachian output) was $1.29⅜ per barrel in 1898. This was an increase of 38¼ cents per barrel, or nearly 42 per cent. The average price of the Trenton rock oil of the Lima-Indiana districts was 88⅝ cents in 1899, as compared with 59.4 in 1898—an increase of 29.2 cents per barrel, equal to an advance of nearly 50 per cent. The prices ranged from 70.8 cents for Texas petroleum to $7 per barrel for Wyoming natural lubricating petroleum.

The total amount of petroleum and its products exported from the United States in 1899 was 951,024,441 gallons, valued at $64 982,249, as compared with 986,480,610 gallons, valued at $52,551,048, in 1898. A decrease of 35,456,169 gallons in amount was accompanied by a gain of $12,431,201 in value. While there was a decline of 3½ per cent. in the amount of petroleum exports, the increase in the value was over 23 per cent. The total exports for 1897 was 994,297,757 gallons, valued at $59,057,547.

Sold Lots of Rigs.

Parke & Lacy Co., with stores at San Francisco and Bakersfield, has recently supplied complete oil well drilling outfits to the following well-known companies: Fifteen Three Oil company, Ukiah Oil & Dev. company, Tomboy Oil & Improvement company, World Petroleum company, Great American Oil & Dev. company, Bella Vista Oil Syndicate, Occidental Oil company, S. & S. Oil company, Sequoia Oil & Dev. company, Morton & Hood, Inter Nos Oil company, Nevada County Oil company, Tiber Oil company, Midway Oil company, Santa Ana & Bakersfield Oil company, Red Bank Oil company, H. C. Stratton, Revenue Oil company, Medina Oil company, Commonwealth Oil company, and others. This company is an old-established dealer in all kinds of machinery, and by its fair and upright business methods has made many friends in the new industry which it has entered.

Wreck of an Oil Train.

The wreck of an oil train took place on the Southern Pacific track near Kimble Orchard, near Hanford. From what could be ascertained, it appeared that the trucks of one of the cars broke down and was the direct cause of the piling up of several others. One car was completely demolished and the oil soon spread out over the ground. Farmers in the immediate vicinity came with barrels and carried off all that was worth carrying away for wagon grease. The wrecking crew was soon on the scene and the work of clearing up was soon completed. The flyer was forced to go north via Goshen and Fresno on account of the wreck.

The train on the Coalinga branch road has been stopped nearly a week on account of washouts on the road.

No Contested Title.

San Francisco, Feb. 10, 1901.
Ed. Pacific Oil Reporter,

Dear Sir: A few days ago a certain daily paper in San Francisco published a statement the substance of which was that the "Lion had lost its suit against the Vesuvius, and as the Maricopa held leases under the Lion they lose also." The entire statement is untrue, in fact, a romance "manufactured out of whole cloth."

Now then, we give you facts: First, the Lion has not nor never had a suit against the Vesuvius; hence, could not lose. Second, the Maricopa has no leases from the Lion nor anyone else; therefore could not be affected either way. We defy any man or corporation to disprove the above statements.

There is a suit pending in the Bakersfield courts between individuals as to the title to some property in which the Lion and Maricopa have a nominal interest, and it don't matter which way it goes, the result will not affect either of them, as both are fully protected by responsible parties from whom conveyance of title is made.

So now you have it, "the whole truth, and nothing but the truth." We wrote a nice letter to the editor of the aforesaid giving in substance the above; it remains unanswered.

Yours very respectfully,
F. F. Weed,
Secretary Lion Oil Co.

New Exchanges.

Articles of incorporation of the Fresno oil exchange have been sent to Sacramento to be filed by the secretary of state. Upon their return they will be entered in the county clerk's office The matter was promoted there by F. W. Breed of Oakland and the original subscribers are composed of ten oil men. The incorporation papers have been drawn up by D. S. Ewing. Seats are being sold for $10 each to men outside of the corporation and it was stated last night that fifty seats had been sold already. The sessions will be held upstairs in the San Joaquin abstract company's building on J street. Sessions will be held twice daily—in the forenoon and afternoon. It is believed that there is enough interest in Fresno to support an oil exchange. There is one in San Francisco and another in Los Angeles.

The idea of establishing an oil exchange in Hanford emanated at the office of Rubenstein & Clark, and machinery for its organization was set in motion, and as a result a meeting was called for the purpose of affecting an organization. The chairman stated the object of the meeting, and considerable discussion took place as to the method and advisability, resulting in a motion being made and carried that it is the sense of the meeting that an oil exchange be organized at Hanford for the purpose of holding daily sessions, sell and buy stocks, and transact such other legitimate business that may come before it.

A committee was appointed by the chairman to ascertain the cost of maintaining the exchange and report at the next meeting to be held on Saturday evening at 7:30 at the same place, and to perfect the final organization. The secretary was instructed to open the membership roll.

The Summerland oil producers are agitating the organization of an association, the purpose of which will be to protect the interests of oil men and to maintain prices of their product. The project has not yet taken shape; but those who are promoters of the association think that they will succeed in forming a combination that may develop into an exchange, from which all oil produced in the district will be handled and which will fix prices. The price of Summerland oil has varied so widely during the last few months and has been in such an unsettled condition that the producers feel that something must be done in order to protect themselves. The heavy producers are agitating the matter. A meeting of producers will be called some day this week.

Los Angeles Exchange.

The Los Angeles Stock Exchange celebrated its first anniversary on February 1, and the occasion was made memorable by a banquet given by the brokers. The event was all that could be desired in every way and was thoroughly enjoyed by most of the representative brokers, a number of prominent bankers, representatives of the press and the principal commercial organizations of the city.

During the year of its existence the exchange which began in a modest way has made a very gratifying development and today gives promise of becoming one of the substantial institutions of the southwest. During the year just closed 3,178,531 shares of stock were sold on the board amounting in value to $1,096,034.18 The growth of the exchange has been very gradual with an ever increasing business. The annual report showing the monthly transactions is as follows

February	20,025	$ 15,514.18
March	27,014	32,430.75
April	121,286	72,066.95
May	226,114	160,196.45
June	276,712	141,464.83
July	237,576	95,179.11
August	494,537	119,641.90
September	622,050	88,311.50
October	420,700	51,388.25
November	180,554	28,757.65
December	127,668	62,904.61
January	422,255½	226,178.00
Total	3,178,531½	$1,096,034.18

Oil Companies Incorporated.

Brubaker Oil company Principal place of business, Los Angeles Directors—P D Brubaker, C J Newcomb, F P Snow, M L Hackman, L Lowenthral and F E Lacey of Los Angeles Capital stock, $1,000,000, subscribed, $400,000.

Russian Oil company Principal place of business, Los Angeles Directors—J B Redd, J M Brown, R E Muney, R F Reed and A S Hollingsworth of Los Angeles. Capital stock, $500,000; subscribed, $25.

Eureka Crude Oil company. Principal place of business, Los Angeles. Directors—G Kloeckner of Pasadena, H Cohn, J F Conroy, C Wheeler of Los Angeles and P E Ussher of Pomona. Capital stock, $200,000; subscribed, $100.

Domestic Oil company. Principal place of business, Pasadena. Directors—E R Braley, W M Doud, T M Farraud, A I Gammon and D C Sullivan of Pasadena. Capital stock, $50,000; subscribed, $22,900.

United Oil company. Principal place of business, San Francisco. Directors—T A Driscoll, J K Moffitt of Oakland, C Dumprey of Milrea, L Bazet and E J Tobin of San Francisco. Capital stock, $500,000; subscribed, $25.

Double Eagle Oil Mining company. Principal place of business, San Francisco. Directors—J Hagan, J M Robinson, A Shaefer, L H Moller, W D Moller, D E Besecker and W H Williams. Capital stock, $300,000; subscribed, $140.

Kern Investment company. Principal place of business, San Francisco. Directors—F Gutzkow, H B Russ, F Hohwesuer, C Bosse and G H Thompson of San Francisco. Capital stock, $100,000, subscribed, $500.

Union Consolidated Oil company. Principal place of business, San Francisco. Directors—H J Crocker, W Saston, C S Benthet, F W Sumner G Easten, H A Jones, J L Rathburn, G W Henderson and R W Runyon of San Francisco. Capital stock $500,000; subscribed, $500.

Danville Oil company. Principal place of business San Francisco Directors A L McMillan, W H Sharpe, T H Willard, M Hummeltenberg and R A Nobbs of San Francisco Capital stock $500 000, subscribed, $225,000.

Nome and Gloria Oil company Principal place of business, San Francisco Directors—D Pratt, J H Swift, F A Pratt, J M Howland of Alameda county and N C Wells of San Francisco. Capital stock, $200,000, subscribed, $25.

Export Oil company. Principal place of business, Los Angeles. Directors—S S Havermale, A R Spencer of Los Angeles, R H Benton, J H Burgess of San Diego and T H Silsbee of Oxnard. Capital stock, $250,000; subscribed, $125,000.

The American Boy Oil company. Principal place of business, San Francisco Directors—B Corbet, J W Emmond of San Francisco, G A Eastman of New York City, L E Doan of Bakersfield and J B Foster of Marysville. Capital stock, $500,000; subscribed, $5000.

The American Girl Oil company. Principal place of business, San Francisco. Directors—B Corbet, J W Esmond, L W Moultrie of San Francisco, G A Eastman of New York City and L E Doan of Marysville Capital stock, $500,000, subscribed, $5000.

Transcontinental Oil company. Principal place of business, Bakersfield. Directors—A B Bigler of Bakersfield, K W Brown, L L Cory of Fresno, W J B Lee of Los Angeles and G R Bigler of Clearfield, Penn. Capital stock, $300,000; subscribed, $25,000.

Bay Oil & Asphalt company. Principal place of business, Santa Ana. Directors—T Lacy, J M Dawson, W E Sellick, A K Cravath, R J Blee of Santa Ana, F B Mills of Bolsa. Capital stock, $100,000; subscribed, $70.

Before buying oil stock or leasing or buying oil lands call on Barieau & Persinger, Room 115, Phelan Building, San Francisco.

Oil Stock with a Value...

Limited Offering at 75 Cts. per Share

If contemplating a purchase of oil stock, we respectfully su t a few reasons why we expect to interest you in

The Sovereign Oil Company

We own 160 acres and have a lease of 20—180 acres in all, all located in the famous Kern River Oil District. Ownership means an absence of costly litigation to protect title. We own all machinery upon our land, including two Standard drilling rigs.

Progressive management, demonstrated by following facts: Incorporated on October 15th, 1900, and on December 6th (5, days thereafter) had **two wells in oil.** Location of property insures large profit from all oil shipped, because near railroad No costly "hauling" to prevent **any profit** on shipment. Title to property U. S. patent, meaning an asset behind stock.

Our reliability and progressiveness not an experiment. Proven by record of Sterling Oil and Development Company. The Sovereign is under same management. Prospectus and maps are free for the asking.

10,000 shares at 75 cents per share. Orders filled in rotation of receipt, and the right to revoke this offer, without notice reserved by company.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

PACIFIC OIL REPORTER

Published Weekly
The Oil authority of the Pacific Coast
Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

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FRIDAY, FEBUARY 15, 1901.

Date Set for Oil Land Hearing.

Secretary Hitchcock has ordered a hearing of the Kern County Oil Company vs. Clark, on appeal from Land Commissioner Hermann, set for March 13th. This is the famous "scrippers' case," and upon the Secretary's decision will depend, in a great measure, the future of the oil industry of California. A Washington dispatch says: "The previous rulings leave little for oil men to hope for. The Secretary has twice held that the actual discovery of oil must be made in order to hold the land as mineral. Though ostensibly coming from the Secretary of the Interior, the decision of the case will be in the hands of Assistant Attorney-General Vandeventer, legal head of the Interior Department, before which the hearing will be held."

Oil men should bestir themselves if they desire to defeat those who are attempting to secure mineral land under the plea that it is agricultural. The scrippers have a good organization, have secured the best legal talent, and are putting up the best possible kind of a fight. The oil men seem to lack proper organization; and thus far the main proof as to the mineral or non-mineral character of the land in dispute has been furnished by the California Petroleum Miners' Association and its friends.

Unless something is done, and that well and speedily, hundreds of oil men, who have been resting in fancied security on account of the fact that Commissioner Hermann had decided once in their favor, will suddenly discover the scrippers have despoiled them of their land, and no one who has not actually "struck oil" on his land can save his location of 160 acres. On the other hand, according to the present ruling of the secretary the oil man who has located on 160 acres, and who by actual discovery has proved the mineral character of the land, can hold his 160 acres, and all the assaults of the scrippers can do him no harm.

While the decision of the secretary is favorable to those who have made actual discoveries it will work a great hardship on those who have located a great deal of land, and have spent much money on assessment work and actual developments.

Oil Test Bill Probably Killed

The last report from Senate Bill No. 18, otherwise the Currier Bill for the inspection of illuminating oils, is that the opposition aroused by it has been so determined that it will probably be abandoned. Last Friday the bill was at the head of the list of those to come up for a third reading, and by Senator Currier's own request it was passed over. The rules of the Senate require a bill under these circumstances to be placed last in the list, so that it is not likely to come up again for consideration. Meanwhile, it is likely that the bill will be withdrawn, and a substitute introduced requiring nothing more than the marking of oil which has not been tested. The general opposition was along the line of the resolutions of the Petroleum Miners' Association, to the effect that the bill not only required too high a test, but was too great a disadvantage to impose on a growing industry. The assembly bill which was to the same effect has been awaiting results of the analysis at the State University, and will probably meet with the same fate. Bill No. 18 was amended in committee to read 120°, the standard required by the laws of Ohio, instead of 130°, but the change was apparently not radical enough to suit the temper of the oil men. A letter has been received by parties in this city from Senator Smith, stating that from the correspondence he had received on the subject he was about ready to conclude that no law on the subject was needed at the present time, and promised to use his influence to prevent any law being passed which would in any way impede the development of the oil industry in this State. Assemblyman Clarke also stated that the bill was strongly opposed by oil companies in various parts of the State, and took an active interest in assisting the defeat of the measure.

Oil men generally and oil refiners particularly may congratulate themselves on escaping the infliction of such a measure which would be likely to prove a more burdensome "Old man of the Sea" than ever was carried by Sinbad. The tax on inspection would be a a harassing and expensive source of annoyance, from which there would be no escape, except by discontinuing to refine. In such a case the oil now going to the refineries would be used for fuel oil, as the distillate and gasoline products alone would not pay. From tests made on a large scale, one hundred barrels of Ventura county county mixed crude oil of 24 gravity gave the following:

Gasoline, 76° B	3 bbls
Benzine, 63° B	4 "
Kerosene, 45° B	15 "
Heavy Kerosene 38° to 40° B	8 "
Gas Distillate, 28° B	21 "
Light Lubricating (Spindle) oil, 26° B	10 "
Neutral Oil, 23° B	12 "
Heavy Neutral Oil, 21° B	6 "
Reduced Stock, Lubricating oil, 14° B.	5 "
Asphalt Crude	11 "
Loss	5 "

Local Banks Behind Los Angeles.

At a recent banquet held in Los Angeles to celebrate the first anniversary of the opening of the Los Angeles Oil Exchange, a number of addresses were made, among which was one by W. C. Patterson of Los Angeles, on "The Banks." In the course of his speech he said:

"The principal stock in trade of banks is money. When money is plentiful, bank deposits increase. Banks can then extend greater accommodations, and incidentally make more money. Increased deposits mean increased prosperity of the people. The marked increase in the bank deposits of this city within the last two years is largely the result of oil development, and the result of the sale of oil properties, oil stocks and oil.

The banks have been benefited by the oil business, and the oil development has been rendered largely possible by the aid which the banks have been able to render.

The banking institutions have at times been considered unduly conservative in the matter of loans to oil promoters. Their policy, however, has been as liberal as was consistent with ultimate financial safety. While the new oil stocks have not been generally accepted as collateral security, yet the banks of this city have, in my opinion, in their effort to aid the oil industry, advanced considerably more than a million dollars on such other bases of credit as were considered tangible and safe.

The banks and our new enterprises have in a measure been interdependent, and helpful to each other. So may they be, and so will they be with the aid of such an enterprising and active body of men as comprise the Los Angeles Stock Exchange."

It will be seen from this that the Los Angeles banks have undoubtedly treated the oil men more generously than have the San Francisco banks, for we have yet to learn of a single instance where the local banks have advanced a dollar when the security offered has been oil stocks. It is to be hoped our local banks will see the value of oil stocks as securities and be willing to loan on them as they do on mining stocks.

Price of Oil

So the expected has happened, and oil has dropped. In Los Angeles fourteen gravity oil, which a few months ago was bringing $1.05 at the well, is now worth only 80 cents, and Summerland producers who are handicapped by not having a local market and the necessity of shipping oil by rail, report that they are getting but 40 cents. The fall in Los Angeles is a natural sequence of the refusal of the Oil Storage and Transportation company to renew its contracts, reducing the oil men to the necessity of disposing of their product in the open market. This has brought about disastrous competition and a consequent fall of prices. Los Angeles producers have discussed the situation and made an attempt to bring about a new organization, but the matter appears to be making little headway, as no organization would remove the competing factor of the Kern River oil, the real cause of the demoralized market. The opening months of the present year have shown the operation of the Kern County Oil Producers' Association, and the results so far have been favorable to the producers, as a better and more stable price has been secured for the output. The organization of an exchange at Summerland, and the use of oil by the Salinas Sugar Refinery, when the new Coast Road is open for business, promises relief to the Santa Barbara producers. Union is the only possible remedy for the demoralization of prices, and the disastrous effects of competition in the open market must be met by effective organization of producers if the oil business is to continue on a paying basis.

THE DIAMOND.

The Company to Resume Active Work Immediately.

The Diamond Oil company, which has been comparatively inactive for the last month, will immediately resume active operations under new management.

Judge W. W. Allen, the former manager, having resigned, J. F. Carrere, formerly secretary of the State Lunacy Commission, has been chosen to fill his place, and is now actively at work.

Colonel E. D. Berri, the president of the company, is now devoting fully one half his time to the affairs of the company, and will soon have the drill at work finishing up the well in the McKittrick district, on which work has been delayed for some time. This well will be pushed down as rapidly as possible to a great depth, and if oil is in this portion of McKittrick district, it will be found. If oil is not there, the company will drill in other portions of the oil fields in districts already proven, so that stockholders may feel assured that their company will soon be numbered among the actual producers.

A Promising Company.

The failure of the laws of California to secure protection to its stockholders from assessments has induced the California and Utah Oil company to incorporate under the laws of South Dakota, by which the stockholders are not only guaranteed against assessments, but there is no personal liability incurred, private property being exempt from corporate debt.

The company's holdings amount to 520 acres, including forty acres, in SE¼ of SE¼ of section 30, 26-28 in the Kern River field; eighty acres in SW¼ of section 10, 30-21, McKittrick field; 160 acres in SE¼ of section 31, township 10 north, range 14 west, S. B. M. (Tehachapi); 150 acres in SW¼ section 4, township 28 south, range 18 east, Devil's Den field. In Santa Cruz county it has sixty acres, located on section 33, township 10 south, range 1 west, and 100 acres near Vallejo in Solano county. The property at McKittrick is especially promising, as it is but a short distance from the famous gushers of the Giant and Kern River companies, which have been recently throwing oil above the derrick. It has been impossible to check the Giant No. 2 with a cap, and on account of the want of tankage it has been necessary to store 15000 barrels in earth reservoirs. A holding in this neighborhood can hardly fail to secure good results. The company has set aside 500,000 shares of treasury stock, and will use the proceeds of the sale for development work, which will be pushed vigorously. The company's office is in the Adam's building, on Kearny street.

Ten Acres $163,300.

The Union Petroleum company of Los Angeles, which has come to be known as the "Record Breaker," not only an account of the rapidity with which it drilled its wells, but also from having so quickly closed a contract for the sale of its oil right at the well for $1 16 a barrel, has just published the following interesting statement showing the earning capacity of ten acres it has just secured on the corner of Mel ose and Western avenues, in the Western Extension. On the other corner of the same block the Liberty Oil company is reported to have drilled a well in seventy-two actual working hours. There is a bed of oil sand about seventy feet thick lying within 200 to 300 feet of the surface, and drilling is easy and rapid.

Average depth	300 ft	
" cost.....	$800	
" production daily	600 bbls	
Annual production....	219,000 "	
" " value.....		$219,000
Anuual expense, pumping, repairs, etc.. ...	$7,200	
Inst. taxes. ins., and general expense....	$12,000	
⅙ royalty	$36,500	$ 55,700
Net annual income.....		$163,300

In the above estimate no allowance is made for stoppage. However, this is offset by the fact that a well usually produces about six times as much when first put on the pump as it does after the gas and pressure has blown off. The normal flow of a well starting at 100 barrels a day, is 15 barrels after from three to six months pumping, and this is the basis of these calculations. The allowance of $18,000 a year for interest, taxes, insurance and general expense is very liberal, as is the pumping account of $7,200.

In addition to this ten acres we have seven other leases right in the heart of the field, mostly on a 1-10th royalty and own 70 acres in the famous Fernando district, 160 acres in the Panoche, Fresno county and have a twenty year, 1-10th royalty lease on 160 acres in the Castiac District We owe no debts, have the finest machinery and the best help that money can secure and have invested thousands of dollars of our own money before offering you our stock. To continue the rapid development of these properties, we offer 20,000 shares of stock at 25 cents.

UNION PETROLEUM CO.,
11 Montgomery St., S. F.
Telephone Bush 227. [Main line]

Lincoln Oil Company.

The Lincoln Oil company, with their well No. 1 on 14, 28-27, Kern River district, have shut down for a few days, waiting for their car of drive casing. This company ordered a car of drive casing through the Union Metal and Hardware company of Los Angeles, which car is due here now, but owing to the very severe weather in the East it will be delayed for a day or two. The Lincoln at a 600-foot level encountered the shifting sand, and decided to finish the well with this drive casing. For the first 600 feet they passed through three distinct strata of oil sand with scarcely any water, which are very flattering indications. As soon as this drive casing reaches here, it will only be a short time before the well will be completed, and it will then be equal to the "Edgar" or the "Hawkeye," or the "Century."

J. B. HILL,

Member Producers' Oil Exchange.

ORDERS TO BUY OR SELL OIL STOCKS PROMPTLY EXECUTED.

AGENT FOR

20 OIL CO., McKittrick

Incorporated for 100,000 shares, par value $1; 50,000 treasury stock. One well about 1000 feet deep in oil. Drilling on well No. 2 to begin by Feb. 1st. Price of shares: First 10,000 at 50 cents. When second well is finished stock wil be listed on Exchange. Maps and literature on application.

Office—Belden Block. 137 Montgomery street, room 13, second floor.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated rom the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

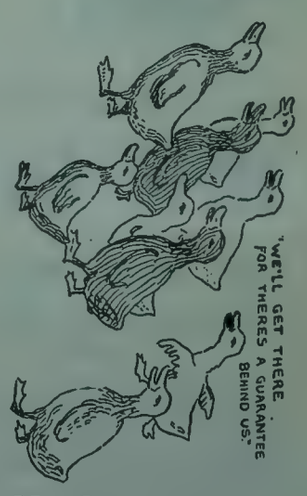
2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.



Oil Comp'ny

Incorporated under the laws of South Dakota June 21, 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deveopment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... ..... G. F. ABBOTT

Write or call at office 330 Pine street

Rooms 44 and 45, for special inducements for short time.

AN EASTERN CROAKER.

Pennsylvania Man Thinks Oil Operations Here Are Demoralized

W. M. Graham, a former Pennsylvania operator, but later a pioneer in developing the Coalinga and Kern River oil fields, in California, returned to the East recently. To a Derrick reporter he stated that the oil business in California is in such a demoralized condition and is purely a speculative proposition. The boomers have secured control of all territory, the most of it worthless, and the organization of companies and floating the stock at almost any old price is their sole aim.

The operator who has gone into the business in a legitimate way has his own troubles. If he developed his holdings and secured oil in any quantity he had to find a market for it and that was no easy matter. If he made a contract with a consumer to supply him with oil for fuel the producer had to put up a bond, and unless he could furnish the amount called for in the contract the bond was forfeited. The price, he said, ranged from 50 cents to $1.00 a barrel delivered. The railroads charged 42 cents a barrel for transportation, and half of the time it was impossible to get them to furnish tank cars when needed.

Mr. Graham had no complaint to make personally, because he has been very successful in California, and has cleaned up a nice bundle of money. He stated, however, that the country needed the Standard Oil company out there to bring order out of chaos. Producers have to lay their own pipe lines from wells to the railroad and put up their own loading racks, find a market for their oil and then hustle around to make the collection after the oil was delivered. It was a cut-throat business from start to finish. A producer would secure a purchaser for a certain amount of oil and have everthing in shape to close the contract at a certain price when another producer would step in and under-bid him, and then he would have to look out for a new purchaser. He thought when the business had been reduced to a system, as in the East, and the boomer had been driven out it would be a good thing for investors. A market, he said, with some stability was the thing most needed at the present time.

The speculator is without responsibility. He secures a lease, sometimes miles from production, has a rig constructed on it and then has it photographed and a cut made and is then ready to begin booming the stock as soon as he gets his prospectus printed and ready to send out through the mails. He said their patrons were from every walk of life, professional men, servant girls, draymen and day laborers, all alike wanted to get rich quick.

Mr. Graham claims that what the West needs is more experienced oil men from the East. For the most part the men employed in putting down wells in California are an inexperienced lot, who could not hold a job in the East as "roustabouts" on a lease. He will return to California in a few weeks and commence to develop some holdings he has retained in the Coalinga and Kern river country.

Pipe Laying Soon to Begin.

The heavy pipe to carry the water for the Valley Water company up the hills into the oil fields of the Coalinga district has been received at Coalinga. This new water company has all its machinery ordered in the East and is expecting it in soon. The first well is now being started by the company at its site north of Coalinga. Owing to the large number of cobbles which are in the soil there near the surface, the wells will be dug by hand down to a depth of 100 feet. Thus the upper part of the wells will be 3x4 feet wide for the first 100 feet. Then a standard oil drilling rig will be brought into play and the well be put down to a total depth of 300 feet, for the entire length of which 14-inch casing will be put in. The laying of the water pipe line would have been commenced before this if it were not for the rains making the soil too soggy to work in.

Tank Steamer Construction.

One of the most interesting undertakings in Lord Armstrong's career in connection with the petroleum industry, was that of the construction of the fine tank steamers forming the fleet of the Shell Transport and Trading Co. The "Pinna," launched December 8, was the last and largest of these vessels and had the following dimensions: Length over all, 436 ft. 10 in.; length between perpendiculars, 420 ft. 10 in.; breadth extreme, 52 ft.; depth moulded, 33 ft. 9 in. with a dead weight of about 9,000 tons. The vessel is built of steel, and conforms to Lloyd's highest classification. She has a poop, bridge and topgallant forecastle, all connected by a fore and aft bridge, giving easy access from one part of the vessel to the other under all conditions of weather. The "Pinna" is intended for the carriage of oil in bulk on her outward journeys, and general cargoes on her homeward voyages. The machinery is being supplied by the North-Eastern Marine Engineering company of Wallsend, and is of the triple expansion type, with cylinders 28 inches, 46 inches and 77 inches, with a common stroke of 48 inches. Steam of 180 lb. pressure is supplied by three large single-ended boilers. Like the other steamers owned by the Shell Transport and Trading Co., she will be fitted with oil-burning arrangements; the system adopted for this vessel is designed by the builders.—Oil Record.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days

Write to **J H. EDSON, Secretary and Manager** **Central Bank Building, Oakland Cal**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lies within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from in dubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

The Lincoln has sold out it first block of 18,000 shares of stock at 25 cents, and is now selling a second block of 15,000 shares at 50 cents. This is going off rapidly, and when disposed of the company will offer no more stock at less than $1.00

The company will complete its first well very shortly, and when this is done the stock will advance very rapidly.

STOCK UNDERWRITTEN

OFFICE

Pacific Coast Underwriting Company
504 PARROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

YOUR MONEY BACK

After ninety days if you want it. Investments placed with us have greater earning capacity than by any other method

Your money is always subject to withdrawal, and the profits are paid in cash, less a small commission, which we retain for services.

The plan adopted by this company has stood the test of time and is endorsed and heartily advocated by the most responsible business men, financial institutions and newspapers of San Francisco and other large cities.

Investors will do well to investigate the opportunities offered by the company before buying oil stock or placing their money.

Standard Oil Promotion and Investment Co.

INCORPORATED.

LICENSED BY UNITED STATES GOVERNMENT.

575-576-577 Parrott Building · = = San Francisco, Cal.

ouvenir Views of California Oil Fields, Free u; on request

A. K. Gri m, Pres., Chas. E. Lloyd, Vice-Pres., F. M. Husted, Sec.,
Z. T. Gilpin, Treas.

PANOCHITO Oil Co.

Guaranteed Non-Assessable

2400 acres best selected oil lands.
Complete Standard Rig, strictly up-to-date.
Well 500 feet, showing oil of finest quality found anywhere in the oil belt. We are offering a very attractive proposition to bona-fide investors.

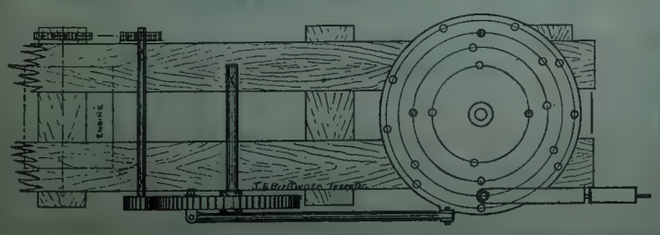
For particulars address

F. M. HUSTED, Secretary.

Macdonough Building, - Oakland, Cal.

A PUMPING POWER

That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



J. E. BREITWISER, Inventor. RISDON IRON WORKS, Builders.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

BUTTE.

The Hesperian Crude Oil company is putting on its rig at Richardson's springs, and will begin boring for oil.

COLUSA.

The oil spring at Wilber springs, near Arbuckle, is reported to be daily producing 1500 gallons oil.

General J. M. Gleaves and a large party of oil men and capitalists left San Francisco this morning to examine the oil fields of Colusa and Lake counties with a view of actual development.

Reports from the Colusa district are most encouraging. The Gorrill well west of Arbuckle is in the oil sand and has oil in the well. The Colusa Consolidated Oil & Refining company has 4,400 acres in township 14 north, range 3 and 4 west, ten miles west of Arbuckle. Every acre is patented and titles perfect. The company was incorporated for the purpose of purchasing and developing this tract for oil. The recent strikes in this district have established the fact that the tract is rich in oil, which is of as fine a grade as any in the state. Drilling will commence within thirty days on the company's property.

FRESNO.

Esperanza is moving its machinery to section 6 and will soon be drilling.

The greatest amount of development now seems to be going on in section 28.

The Call company, on section 32, has its derrick up and has ordered the necessary machinery.

The Commercial Petroleum is putting up its machinery on section 31, and will soon be spudding in.

The new field in 28, 30and 31, Coalinga field, is shallow and easy to drill in, no well being over 900 feet.

The Mercantile Crude Oil company is about ready to put down its first well in the northwest quarter of section 6.

The Fresno and San Francisco has the lumber on the ground to put up its derrick. It is located on the northeast quarter of 1, 20-14.

The Maine State Oil company, on 31, is drilling its first well, and is putting up another derrick. It will be drilling its second well in a few days.

Roanoke, on section 36, has its derrick, cook and bunk houses up, and machinery has been shipped. It expects to be ready for drilling by March 1.

Corona, on section 32, is down some 700 feet in the first well, and good progress is being made. The managers expect to be in the oil sand in a few days.

Ajax, in section 32, is about completing its first well and has plenty of oil in the well. The company's development extends to the Coalinga oil field in the southwest portion.

El Capitan, also in 31, has its derrick up, also its bunk and cook houses, and the machinery has all been placed in position. It will soon be drilling its first well.

A movement is on foot to build another pipe line from Coalinga to the railroad. A number of producing companies, unwilling to pay the present charge of 20 cents a barrel for piping, will club together.

Well No. 4 of the Oil City Petroleum company is down some 600 feet. Well No. 4 of the Twenty-eight Oil company is down to the same depth and it is a race between the two companies as to which will be finished first.

The Hanford Oil company, on section 28, have a 100 barrel well, with a 24° oil. Well No. 2 will be started at once. On the same section are drilling the "28" Oil company and the Oil City Petroleum company.

Ætna, whose property is located on 30, 19-15, has finished its first well and it is a good one. The oil is running over the casing, as it has been unable to cap the well. This well is about 600 feet northeast of Confidence's No. 3 well.

Confidence, on section 31, has two wells fully completed of about eighty barrels per day capacity. The company is drilling its No. 4 well and expects to have it completed in ten days, being now over 400 feet in depth.

The Coalinga company has 9 producing commercial wells, the Caribou 1, the Home 7, the Phœnix 2, Chanslor and Canfield on section 17, 5 or 6, Oil City Petroleum 4, Independence 5, Twenty-Eight Oil company 3, Confidence 2, Hanford 1. Of these the wells struck within the last year number about 18. Sections 28 and 31 below Coalinga are comparatively new territory.

KERN.

The Safe Deposit are operating on 35, 25-18.

A derrick is being put up by the Equality on 21, 28-28.

The Minnehaha is ready to begin drilling on 19, 28-38.

Work will begin soon on the Thistle property on 24, 29-28, as the lumber is on the ground.

The El Oro on 7, 29-28, has struck the upper sand.

A strike has been made by the Argonaut on section 2 at McKittrick.

The Adirondack has gone into the sand at McKittrick.

Several companies will shortly commence operations on 25, 27-18 and the rigs are already up.

A large tank and pipe line is being put in by the Monte Christo 5, 28-28.

The Linda Vista will begin work soon in the Kern River field.

The Century Oil & Development company have commenced work on section 2, 26-18.

The White Dove Oil company aer down 200 feet in their well on 27, 25-18.

The Kern River Oil company is tryi 'g to get the McKittrick extension up to its holdings.

It is reported on the best authority that Rudolph Spreckles had struck oil in 30, 25-18.

The Raven Pass and the Imperial Oil companies have commenced operations in 7, 27-18.

The Four Oil company has finished a concrete tank with a capacity of 41,000 gallons.

A water pipe line has nearly been completed by the Equality on the SW¼ of section 21.

The Bear Flag, 31, 28-28, has a dept of 1051 feet and has finished perforating. Work will soon begin on No. 2.

Several new oil well supply houses will open up soon in the Kern River di

trict, one of them being the Crane Supply company of Los Angeles.

The Chicago Crude has sold twenty acres of 30, 28-28, to a San Francisco company represented by James Osborne.

The Little Standard has struck first sand at 225 feet on section 11, McKittrick field.

Wolverine No. 2, Kern River field, is flowing 400 barrels a day. The pressure carries the oil into a tank seventy-five feet above the well.

No. 4 of the Four Oil company, 4, 29-28, is said to have pumped 310 barrels in nine hours, tank measurement. There are 640 feet of sand in the well.

The Mallory on 2, 28-27 are down 900 feet and expect oil any time. A big flow of gas is reported. This company adjoins the property of the Jacalitas in 34, 27-27.

The Peerless No. 2, one of the early producers of the Kern River field and a shallow, well is still pumping seventy-five barrels day after day.

A petition is being circulated for the establishment of a post-office on the San Joaquin property in the Kern River field, to be called Oil Center.

Chas. Bronson, the oil expert returned this week from the Devil's Den district and reports that the Devil's Den Oil company are now down 400 feet in their well on section 23, 25-18.

It is said that a bond has been given by the Thirty-Three and the Imperial companies to deed their 640 acres, section 33, 28-28 to an English syndicate upon the payment of $5,000,000. This price is at the rate of $7,812 an acre, equal to about $7,500 for the land. About $200,000 have been spent by the companies in the way of improvements, including some thirty wells. A deposit of $100,000 is reported to have been made as a guarantee of good faith.

LOS ANGELES.

The Sentinel Oil company, which is operating on section 46, has made over 400 feet of hole.

The Murphy Oil company is drilling on two wells and has the derrick for No. 6 completed.

The Palo Solo company, operating on the Harvey lease, is going down slowly on account of the caving formation.

At North Whittier, on section 15, the casing has been put in shape and the hole will be deepened with a five and five-eighths bit.

In the East Whittier section the Illinois Oil company, on section 36, has reached a depth of 1100 feet and is still drilling.

A derrick has been erected by Gardiner near the corner of Rockwood street and Belmont avenue, and drilling will begin the first of the week.

In the Baptist College field the Westlake Oil company has added three high-grade gas engines to its plant, which will greatly facilitate work there.

Ground is being broken by the Forest City Oil company for a new well to be drilled near the corner of Belmont avenue and Rockwood street.

The Home Oil company is preparing to put a string of five and five-eighths casing in well No. 9 which is now down nearly 1200 feet. No progress has been made on No. 11 since the rain.

The Whittier Consolidated company, which is drilling just north of the city is still having considerable trouble with water. The hole is down over 1000 feet with five and five-eighths casing.

The Rival Oil company has opened offices on Rockwood street between Belmont and Lake Shore avenues. The company owns several lots in the neighborhood and it is reported that it will begin at once to develop the property.

The Pioneer White Oil company is still drilling at 900 feet. The water has not been shut off yet, and those watching the well are getting skeptical as to a successful termination of the work.

The Iola Oil company is down about eleven hundred feet and is in a formation similar to that found in the New Century, No. 1, which leads to the hope that soon a body of white oil will be found.

The El Moro company has recently put in a string of seven and five-eighths inch casing in the test hole which it is putting down on forty acres northeast of the Home Oil company. The well is down close on to 1200 feet.

Hayes & Hart, who are putting down their first well on section 19, have made progress on the hole. They are already down 250 feet and indications of oil were encountered at 175 feet.

One of the best wells yet drilled in the western extension is now credited to the Los Angeles City Oil company, operating on the Pellissier tract. It is said to go 100 barrels.

The Raymond Oil company, on section 25, has resumed drilling at a depth of 850 feet. The firm that recently took a contract to carry the hole down to 1000 feet is now making good progress.

The wet weather has been a setback for the New England company which put down a well on section 30 which it has been compelled to abandon, for the present at least, because of lost tools.

The Central Oil company is experiencing some trouble with water in Nos. 26 and 16, but there is 30 feet of oil sand in the former and the well when put on the pump will be one of the best producers on the property.

MONTEREY.

The Normal will start drilling on Wednesday.

SHASTA.

The Shasta Oil men have organized an association for mutual protection.

The Shasta Consolidated Oil company has completed its derrick and Superintendent Daugherty expects to have the drilling plant in operation some time next week.

Monday the lumber for the Mt. Shasta Oil company's derrick arrived from Sisson and Louis Moore put his freight teams to work hauling the lumber out to Sand Flats on to a piece of land near the Peffer ranch, where the company's drilling plant will be erected.

SANTA BARBARA.

The Casmalia Oil & Development company have struck an excellent flow of artesian water where they are drilling at Casmalia. The water was encountered at a depth of 725 feet.

The Santa Maria Oil company have reached a depth of 1000 feet and at present have ceased operations, as the contract with the driller called for only 1000 feet. The driller is now in Santa Cruz, but will return in a short time.

SOLANO.

The Benicia agricultural works are burning crude oil for power purposes and the management claim it is the only fuel. A plant has been installed there that would be interesting for any one to visit.

The organization of the Armijo Oil company was perfected in Suisun on January 28th and papers of incorporation taken out under the laws of the territory of Arizona. Spudding will probably begin within the next thirty days and the first well will be sunk on the land of C. S. Miller, known as the Waterman ranch about three miles north of Suisun.

SAN LUIS OBISPO.

The secretary of the Casmalia Ranch Oil & Development company reports very favorable progress on their well No. 1. The property controlled by this company consists of 1300 acres in San Luis Obispo county. At a depth of 725 feet a strata of oil sand was passed through which gave indications of oil of a good quality. The drilling is being pushed rapidly and the second strata of oil sand is looked for within a couple of weeks.

The Western Union Oil company, who are operating near the holdings of the Casmalia Ranch, have produced oil of a twenty gravity.

SANTA CRUZ.

The Watsonville Oil company is now running a double crew and work is in progress day and night.

The Pajaro company will soon have a rig up on the old "sawmill flat," on the Cross tract, near the headwaters of Pescadero creek.

SAN BENITO.

The Ashurst Oil company has drilled about 200 feet.

Four wells have been located on the Watson ranch.

Owing to the heavy rains operations in the Vallecitos have been delayed.

The Giant Oil company, which has leased 12,000 acres of the Topo ranch will commence work by February 14th.

A fine seepage of oil has been discovered on the Watson ranch west of the Hollister Crude Oil company.

R. P. Lathrop, manager of the San Benito County Oil company, brought in a lot of oil sand from the well yesterday. The doubters were convinced.

The Hollister Crude Oil company has an engine and outfit stored awaiting settled weather to be hauled to the derrick. The water pipe is laid and the wood is on the ground.

The San Benito Oil company at 860 feet went through a heavy body of blue shale 388 feet thick, and went into oil sand and struck a big body of salt water which rose 800 feet in the casing. That volume of water would smother a 50-barrel well, but the company are going on down to the next sand.

The Watsonville Oil company has a new driller from West Virginia and will now work day and night shifts.

The principal officers of the oil company to begin drilling on the Dougherty ranch near San Juan are C. H. Hussey, President; L. A. Bright, Vice-President; H. Hyde, Secretary.

J. Ingles, Contracting Freight Agent of the Union Pacific R. R., is president and F. M. Schumaker, Manager of the General Freight Department of the same railroad company is vice-president of the San Juan Oil company, now operating on the McAbie place near the Old Mission Town. C. E. Morrel is secretary of the company.

As soon as there is clear weather the Hamiltonian, Ashurst, Esmeralda, La Primera, Riley Oil company and several other companies will make up for lost time in the Vallecitos.

The Puritan Oil company is arranging for the remainder of the unsold stock to be underwritten in the East. This company will commence drilling in the spring on the Chappell ranch.

When the San Benito County Oil company struck the oil sand, which contained oil, gas and salt water the pressure was so great that it shot up into the casing 800 feet, carrying shale, gas, water and oil, completely shutting off everything temporarily until the contents could be drilled out. This is being done, and as soon as bottom is reached efforts

LEWIS, RANK & YOUNG

Pacific Coast Securities . . .

Stocks, Bonds, Mines.

Oil Lands and Ranches

45 Sutter St., San Francisco, Cal.

TELEPHONE, BUSH 209

If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

will be made to shut off salt water. Then drill down to next sand when it is expected that a large body of oil will be developed. Much trouble is expected in shutting off the water. From tests made it is estimated that the company have at least a twenty-barrel well now if the salt water did not smother it.

E. D. Crawford has bonded 1600 acres of the mountain ranch of Whitehurst and Hodges, west Gilroy. It is understood that eastern capitalists are back of the deal and that the land will be developed for oil. An oil spring bubbles out of the ground and natural gas issues from the spring. It is intended to sink a well here.

VENTURA.

The California Oil & Production company is in Tom's Canyon, near Buckhorn, and has reached a depth of fifty feet, where a little gas was uncovered.

Well No. 15 of the Buckhorn Oil and Transportation company is now one of the best producers in that section. Its rate of production has not been estimated, but it is said to be a very good well.

The Santa Paula Home oil company on the Hobson place, is running double shift and is down about 700 feet.

Langdell, Rowan & Newmark on the Robinson place, are getting along well in their second well which has been commenced a short distance from No. 1, which was abandoned.

The Pure Oil company on the Bishop tract, is reported to have struck some oil at 400 feet.

The San Buena Ventura Oil company has started the drill on its property on the Jenning's ranch and is down nearly 100 feet.

The Sulphur Mountain Oil company was forced to suspend work last week, but renews drilling this week.

The Golden West Oil company, on the O'Hara place, which came there from the Fillmore field, has got a fifteen barrel well for its first attempt and will begin work on two more wells at once.

The Slocum Oil company has found a good supply of water in its No. 11 and will probably make a water well of it. The company will start another well the first part of the present week.

Fitch & Co., drilling on the Dietz ranch, have struck oil, but in what quantity cannot now be ascertained.

A new well of the Santa Paula Oil company is under way, the drill having reached to a depth of about 300 feet. This property adjoins that of the Whidden & Double.

The Union Oil company has abandoned the deep hole in Adams Canyon. The drill was sent into a depth of 1500 feet, but the casing became jammed near the bottom and it was impossible to do anything with it.

The property consisting of 320 acres adjoining that of the Loma company is reported sold to Los Angeles parties. The price paid is reported to have been been $35,000.

Near Piru the Union Oil company has 45 producing wells; the Modelo Oil company, 25 producing wells; the Eureka Oil company, 15 producing wells; Piru Oil and Land company, 4 producing wells, and other twelve companies, now at work drilling in adjoining fields.

Seven Thousand a Day.

An Indiana dispatch on Wednesday last from Hartford city, says:

All day yesterday and today there has been great excitement here among oil speculators, owing to the great strike on the Joseph Beard farm, six miles northwest of the city. The well has a flow of more than 7000 barrels a day and has already inundated five acres of land with petroleum.

Ready for Business.

Attention is called to the card of Messrs. Lewis, Rank & Young on page 2. This firm is made up of gentlemen well-known in San Francisco business circles, and is especially equipped to give accurate information regarding the opportunities which the great State of California presents to capital, both at home and abroad. As Mr. Lewis remarked, "We are here to look into things, and sift the good from the bad. We believe there are many good opportunities in California where Eastern capital can be placed with assurance of big returns. Our business is to investigate these opportunities, and secure such as will insure returns to our clients."

The firm is made up of Messrs. Azro H. Lewis, W. M. Rank and Francis E. Young, and they have associated with Messrs. Stephens & Young as consulting engineers.

The Sunset Vortex.

The Sunset Vortex of Arizona has holdings comprising 290 acres in the Sunset district, located on section 22, 11-24. There is a well on this section and the Sunset refinery is but two miles distant. Leases in adjoining territory bring as high as twenty-five per cent royalty. The oil produced in this district carries as much as twenty-five per cent of asphaltum, which finds a ready market, and the oil itself brings $1.10 per barrel.

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Robert G. Ruxton,

134 Van Buren St., Chicago.

Bank references upon application.

Notice.

TO THE STOCKHOLDERS OF THE TEMPLORE OIL COMPANY, A CORPORATION.

There will be a special meeting of the stockholders of the Templore Oil Company, held at the office of said company, at room 115 Phelan Building, San Francisco, at 8 o'clock A. M on the 15th day of April, 1901.

This meeting is called for the purpose of increasing the capital stock of the said company from $100,000 to $500,000. By order of the Board of Directors.

J S GRAHAM, President.
F M PERSINGER, Secretary.

Watch This Space

The Famoso Oil and Investment Co.

Now drilling on 4, 29-28, Kern River District, expects to be able to announce a good strike next week. Close to the oil sands and drilling night and day.

Now Is the Time to Secure This Stock

CALL OR WRITE FOR INFORMATION

Office, Room 393 Parrott Building, Sa Francisco

Branch Office, 1330 E Street, San Diego, Cal.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, February 13:

ÆTNA.

1500 at	40	600 00

AMERICAN FUEL.

50 at	25	12 50
450 at	26	117 00

BEAR FLAG.

155 at	39	60 45
100 at	41	41 00
50 at	45	22 50
200 at	43	86 00
200 at	42	84 00

CALIFORNIA STANDARD.

1000(B30)at	38	380 00
1000 at	38	380 00
1000(B60)at	40	400 00
2000 (B30) at	39	780 00
400 at	39	156 00
4000 at	37	1480 00

CARIBOU.

50 at	77	38 50
100 at	78	78 00
550 at	80	340 00
350 at	75	262 50

EL DORADO.

550 at	2 05	1127 50
100 at	2 25	225 00
118 at	2 10	347 80
400 at	2 20	880 00
250 at	2 02½	506 25

FOUR OIL CO.

200 at	57	114 00
500(B10)at	60	300 00
1003 at	58	581 79
825 at	59	486 75
7560 at	60	4536 00

HANFORD.

4 at	116 00	464 00

HANFORD-FRESNO-KERN RIVER.

200 at	30	60 00
600 at	33	198 00

HOMESTAKE.

233 at	9 00	2097 00

HOME OIL.

250 at	4 30	1075 00
375 at	4 35	1631 25

INDEPENDENCE.

100 at	19	19 00
500 at	17	85 00
1900 at	18	342 00

JUNCTION.

200 at	87	174 00
100 at	79	79 00
100 at	78	78 00
200 at	75	150 00
100 at	70	70 00
400 at	73	292 00
150 at	82	123 00
1800 at	80	1440 00
300 at	81	243 00
200 at	72	144 00

KERN OIL CO.

22 at	11 50	253 00
100 at	11 75	1175 00
20 at	11 37½	227 50
10 at	11 25	112 50
20 at	11 12½	22 25
125 at	11 62½	1453 12½

KERN RIVER.

25 at	18 25	456 25
100 at	11 75	1175 00
190 at	18 50	35 5 00

LION.

200 at	24	48 00
5300 at	22	1166 00
4900 at	23	1127 00

McKITTRICK CONSOLIDATED.

150 at	09	13 50
200 at	12	24 00
300 at	11	33 00
100 at	22	22 00
100 at	23	23 00
1400 at	10	140 00
300 at	21	63 00
400 at	20	80 00

MONARCH OF ARIZONA.

600(B60) at	87	522 00
100 at	81	81 00
100 at	78	78 00
100 at	76	76 00
100 at	75	75 00
200 at	73	146 00
100 at	74	74 00
1200 at	84	1008 00
1350 at	83	1160 50
970 at	82	795 40

MONTE CRISTO.

1000(B30)at	2 50	2500 00
200 at	2 55	510 00
400 at	2 47½	990 00
1340 at	2 50	3350 00

OCCIDENTAL

1750 at	72	1260 00
2700 at	71	1917 00
2050 at	70	1435 00

OIL CITY PET.

20 at	34 00	680 00
55 at	35 00	2100 00
65 at	36 00	2340 00

PEERLESS.

100(B 30) at	9 00	900 00
25 at	8 62½	215 62½
100 at	8 87½	887 50
50 at	8 75	437 50

PETROLEUM CENTER.

6990 at	24	1637 60
2000 (B 30)at	25	500 00
1300 at	25	325 00
12000 at	20	2400 00
5800 at	21	1218 00

REX.

100 at	73	73 00

REED CRUDE.

700 at	69	483 00
1000 at	65	650 00
3800 at	68	2584 00
500 at	67	335 00

SAN JOAQUIN O. & D. CO.

65 at	13 00	745 00
30 at	12 75	382 50
20 at	12 62½	252 50
100 at	12 12	1212 00
129 at	12 50	1612 50
140 at	12 25	1715 00

STERLING O & D. CO

60 at	3 20	192 00
200 at	3 30	660 00

SUPERIOR

100 at	29	29 00
2000 at	30	60 00
2300 at	32	736 00
900 at	31	279 00

SUNSET (ORIGINAL)

100 at	39	39 00
200 at	38	76 00

S. [illegible] & McKITTRICK

100 at	1 50	150 00

TWENTY-EIGHT

100 at	2 25	225 00
50 at	2 22½	111 25
250 at	2 17½	543 75
125 at	2 15	53 75
60 at	2 20	132 00

THIRTY-THREE.

30 at	13 00	390 00

WOLVERINE.

100 at	1 57½	157 50
500(B 5) at	1 50	750 00
250 at	1 62½	406 25
400 at	1 60	640 00
900 at	1 50	1350 00

WEST LAKE.

1500 at	22	330 00

WEST SHORE

100 at	4 50	450 00

YUKON.

300 at	55	165 00

LOS ANGELES O. & T. CO.

20 at	4 00	80 00

Shares 105,429 Amount $83,313.04

Notice of Annual Meeting.

Notice is hereby given that the annual meeting of the stockholders of the Templore Oil company will be held at the office of said corporation rooms 115-117 Phelan building, in the City of San Francisco, State of California, on Thursday, February 7th, 1901, at the hour of 8 P. M., for the purpose of electing directors for the ensuing year, and for the transaction of such other business as may properly come before the meeting

Transfer books will close at office of the corporation on the 26th day of January, 1901, at 5 o'clock P. M.

WILL A NEWCOM, President,
F. M. PERSINGER, Secretary.

C. E. WILSON & CO.,

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Country correspondence solicited.

OIL SPOUTING IN COLUSA COUNTY.

On January 25th, in prospecting an oil seepage on Mr. Gibson's land northwest of Arbuckle, Colusa county, an oil geyser was uncovered which filled a 1500 gallon tank in 30 minutes, and continued to flow. All the available tankage was filled and the oil ran to waste down the creek until a dam was constructed. This is the most remarkable strike made in California, and clearly indicates that this section will produce gushers. Experts estimate the commercial value of the oil to be four or five times greater than the Kern county oil.

The Colusa Consolidated Oil and Refining Company

at the request of many who are desirous of securing some holdings; have decided to place on sale a limited number of shares at the low price of

25c. Per Share, But No More at This Price.

This company is the largest and strongest in the field, having 4400 acres of patented oil land in the heart of this remarkable belt. The price will soon be advanced to $1.00 per share. We are offering the best proposition in the State.

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Branch Office: Room 325 Parrott Building.

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318 Pine Street, San Francisco

GAS AT STOCKTON.

A Simple Method for Increasing the Supply. Indications of Oil.

The yield of natural gas from the gas wells at Stockton can easily be trebled or quadrupled in a simple and economical way, according to State Mineralogist A. S. Cooper, who has been making a study of the Stockton natural gas, with special reference to the petroleum which is deeply buried somewhere in that region and which is the source of the gas supply.

Through the PACIFIC OIL REPORTER Mr. Cooper announces to the Stockton gas people that this great result can be obtained by simply keeping the water which rises to the top of the wells lowered twenty feet with pumps run by gas engines, using the gas from the wells.

The natural gas of the Stockton field, and of the central valley of the state generally, has a vast significance to the oil industry, to which it is so intimately related, and is of interest to oil men in several ways.

That enormous quantities of natural gas underlie this great valley is shown by the numerous indications that exist throughout the length of the valley for nearly 400 miles. This gas was produced by the decomposition of petroleum oil and its presence points to vast stores of oil somewhere under the valley. So deeply are the oil-yielding formations buried that this gas, where discovered, is the chief, and in fact, the only indication of oil and the only guide to boring for oil on the floor of the valley.

The Stockton gas wells are about 2000 feet deep, but none of them have been drilled deep enough to penetrate the enormous deposit of alluvium and reach the stratified rocks below. These gas wells, however, are not simply gas wells —not deep holes which tap a confined reservoir of gas below. At Stockton there is no free gas found. The gas wells are all artesian water wells and the gas is in solution in the water and is released from it as it flows from the wells. The alluvial formations penetrated are beds of sand, gravel and clay, and the clays are the impervious strata which confine the water and allow the hydraulic pressure from a distance which creates the artesian flow.

These waters have somewhere come in contact with petroleum gas and become heavily charged with it. As Mr. Cooper explains, the water may have carried the gas with it from a great distance.

At these wells the water is at a pressure of about 2000 feet and Mr. Cooper states that under that pressure water is capable of absorbing and carrying two and eight-tenths times its volume of natural gas, or in other words, each cubic foot of water may carry, compressed, two and eight-tenths cubic feet of gas. The pressure of the great column of water in a well prevents the escape of gas from anywhere near the bottom and the gas is released only from the point where the pressure is sufficiently lightened. Hence, if the water does not flow from the top of the well, the gas from above the pressure point mentioned will quickly escape and no gas will rise from below it. The column of water is like the cork in a soda water bottle. The obvious conclusion is that the more water comes from the well the more gas will be yielded and if the well owners want to get more gas they must simply take out more water.

Mr. Cooper suggests the simple pumping arrangement mentioned. A certain amount of water flows now from the top of a well, the gas-charged water going into a reservoir where the gas is released and caught, the water running out below. If the column of water was lowered but twenty feet by pumping, he says, the flow of water, and hence the yield of gas would be from three to four times as great. The St. Agnes well there stopped flowing some time ago, the water standing near the top. The pipe was reduced four feet and a ditch dug to allow a free flow and the yield has been constant since. But the simple proposition in physics expounded by Mr. Cooper has not appeared to have been comprehended by the gas producers.

There are about ten wells at Stockton, some of which yield 30,000 cubic feet of gas a day.

"The great quantity of gas shows that there is a large store of petroleum from which it comes," says Mr. Cooper, who is particularly interested in this end of the problem. It is more than likely that the pointer afforded by the Stockton natural gas will result some day in experimental oil wells being driven into the underlying rock formations in search of petroleum. "Analysis of the gas show conclusively," Mr. Cooper says, "that it is petroleum gas and not formed from decaying vegetation." Where that artesian water comes from is another question that is part of the problem. Anyway, there is little question that enormous stores of oil are hidden under the great valley and the Kern River field is but one of the outlying pockets.

As related in a recent issue of the PACIFIC OIL REPORTER there is a large and regularly intermittent flow of free gas in Tehama county on the west side of the Sacramento valley and this, too, points to the presence of a large amount of petroleum somewhere. A well will shortly be drilled in that field. This Tehama county gas has been analyzed by H. N. Cooper at the University of California with the following result: light hydrocarbons, .3; carbonic acid, .9; heavy hydrocarbons, .3; oxygen, .9; carbon monoxide, .1; methane, 86.8; hydrogen, 7.6; nitrogen, 3.2; total 100.

The natural gas of the Sacramento and San Joaquin valleys is bound to attract increasing attention both on its own account and on account of the indication of petroleum which it presents.

Bending Pipe.

Brass or copper pipe may be bent without flattening or breaking by being filled, while yet straight, with rosin that has been heated or melted until fused. After it has cooled and become solid again, the pipe may be bent into almost any desired shape. When bent as desired, heat the outside of the pipe until the rosin melts and runs out. With iron pipe the use of rosin is unnecessary. Heat the metal to a bright red; then from a squirt-can filled with cold water throw a fine stream on the inside of the bend, keeping it cool, while the outer part is still red hot. In this way the inner part is kept from breaking, while the outer part stretches and curves.

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Organized Under Laws of Arizona

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Our First Rig Bought and Now Being Erected

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300,000 Shares in Treasury——50,000 Shares All We Sell

PRICE, 15 CENTS PER SHARE

Our Company will be as near a close corporation as possible; therefore will sell only a small amount of our treasury stock. We put it at the price to sell quickly, and price is subject to raise at any time. Our land is situated in the **heart** of the **Oil Belt** of San Luis Obispo and Monterey Counties, and has been experted by State Mineralogist Cooper and other noted experts, and by them pronounced **absolutely sure of Oil.** Capital stock, 750,000 shares; par value, $1.00.

J. L. GEARY, Jr., Secretary

Office: 363-364 Parrott Bldg., San Francisco, Cal

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PETROLEUM LUBRICANTS.

Results of Practical Working Tests on Engines.

The determination of the viscosity; or, to use the opposite term, the fluidity of an oil, is interesting. Unfortunately, there is no fixed method for comparing the viscosity of different oils. It is ordinarily expressed in seconds, and represents the length of time in which a given quantity of oil will flow through a certain orifice at a determined temperature. The comparison is at times made with water, sometimes with white whale oil, and again with colza oil.

VISCOSITY AND FRICTION.

It appears that in certain oils the viscosity has a direct relation with the co-efficient of friction. Recent experiments instituted by Professors Snyder and Cessna, of the College of Sibley, demonstrate this relation. In their experiments, made under the pressure of sixty-eight pounds to the square inch, with the fatty substances of petroleum paraffine proceeding from fractional distillation, the least viscid oil (in great part liquid) corresponded to the lowest co-efficient of friction.

That the weaker the viscosity of an oil the lower will be the co-efficient of friction has been proven by practical trials.

GENERAL RULES IMPOSSIBLE.

Every machine in a factory may require the employment of an oil of different viscosity, in order to secure its lowest co-efficient of friction, and a slight variation in the conditions may modify the requirement. Moreover, in approaching "the critical point," the question of the viscosity will probably not be the only question requiring solution, from which it will be understood that, with reference to lubrication, general rules cannot be formulated with accuracy.

As affecting evaporation, the condition exacted by the British Manufacturers' Association is that the oil shall not lose more than five per cent of its value when heated to 140 degrees Fahrenheit for twelve hours. The object is to prevent the loss by evaporation, with its results.

The test of precipitation is made by mingling five per cent of oil with ninety-five per cent of gasoline, thus forming a mixture sufficiently thin and transparent, from which all foreign matter and free carbon are precipitated.

The indifference of the manufacturers to the qualities of their lubricants prevents oil producers from ameliorating their products and studying new methods.

But the question of price often plays an important role. It is not considered that a good article at a higher price secures better lubrication, and in other respects is the more economical in the end.

SOME TESTS.

The following results of practical trials conducted in France at the establishment of Seydoux & company, at Coteau, Department of Nord, and at the Providence Forging Works, at Hautmont, for the purpose of comparing the oil previously used with the oil "600 W." of the Vacuum Oil company are given below:

I. Trial of Seydoux & company. The experiments lasted for five days. The oils were used for lubricating the cylinders of steam engines made by different constructors.

1. Horizontal engine, monocylindric, Corliss type, with Frikart expansion, making sixty-eight revolutions per minute; 130 nominal horse power.

	Kilogs.
Consumption of former oil, 2 kil in 12 hours or	0.167 per hour
Consumption of "600 W" oil, 2 kil in 33 hours, or	0.061 per hour
Difference	0.106 per hour

The saving of 0.106 kil. per hour was 63.47 per cent in favor of oil "600 W." The lubricator, having a capacity of two kil, was filled on December 28, at 3.40 o'clock in the afternoon, and lasted until December 31, at 11.30 o'clock in the morning, the engine running from 5.25 in the morning to 6.35 o'clock in the evening, the duration of the lubrication being thirty-three hours. During the whole trial the engine worked perfectly, without the shaking of the cylinder or valves, and without interruption in the expansion.

2. Vertical engine, two Wolff cylinders; distribution by flat side valves; making twenty-one revolutions per minute; 60 nominal horse power.

	Kilogs.
Consumption or former oil, 1 kil. in 11 hours, or	0.091 per hour
Consumption of "600 W" oil, 1,800 kil in 54 hrs. or	0 033 per hour
Difference	0.058 per hour

The saving of 0.058 kil. per hour was 63.73 per cent in favor of oil "600 W." The lubricator, having a capacity of two kil., was filed on Dec. 27, at 6.10 in the morning, and on December 31, at 6.10 in the evening, the consumption had been only 1,800 kil. in fifty-four hours. The discharge was one drop every twelve revolutions. During the whole period the engine worked perfectly, without shaking of the cylinders or valves.

3. Farcot engines. Two coupled horizontal monocylindric engines; distribution by flat slide valves, with expansion valves, Farcot system, revolving 38 times a minute; 160 nominal horse power.

Consumption of former oil:—	Kilogs.
Engine on left, A, 2 kil. in 15 hours or	0.133 per hour
Engine on right, B, 2 kil. in 11 hours, or	0.182 per hour
For the two engines	0.315 per hour
Consumption of "600 W" oil:—	
Engine on left, A, 0.900 kil. in 22 hours, or	0.041 per hour
Engine on right, B, 0.950 kil. in 22 hours, or	0 043 per hour
For the two engines	0.084 per hour

These results show a saving of of 0.231 kil. or 73.33 per cent in favor of the oil "600 W." In consequence of special arangement of the expansion valves of engine B, the lubrication of this engine presented a practical difficulty. It was necessary to satisfy two opposite conditions at the same time, to lubricate sufficiently to prevent the grinding of the valves, and little enough to avoid the sliding of the expansion gear on the valves. The discharge of one drop for forty revolutions of the fly-wheel in the lubrication gave perfect satisfaction, allowing the regular working of the expansion valves, and suppressing the griping of the induction valve.

STEADY INCREASE.

The Large Number of Rigs Sold By One Firm.

That the oil business is increasing in a legitimate manner is shown by the increased number of rigs which have lately been purchased, and sent to different portions of the state to new as well as to old and proven districts.

The R. H. Herron company alone within the last ninety days have sold and shipped complete rigs to the following oil companies, the sales being made by the San Francisco branch of this well-known and reliable oil well supply house:

San Antonio Oil company.
Contra Costa Oil company.
Reed & Ross (2).
Primavera Oil company.
Directors Oil company (2).
Clover Leaf Oil company.
Salinas Oil & Dev. company.
Bolinas Bay Oil company.
W. A. Sherman Oil company.
Shasta Consolidated Oil company.
Hesperian Oil company.
Normal Oil company.
White Oaks Oil company.
Prosperity Oil company.
El Zumo Puro company.
Washington Oil & Pet. company.
Linda Vista Oil company.
Prudential Oil company.
Sinnemahoning Oil company.
Section Five Oil company.
Beacon Oil company.
Clearmont Oil company.
Superior Oil company.
Wisconsin Oil company.
Wild Goose Oil company.
Nonpareil Con. Oil company.
J. B. Rogers.

Gray Gander.

In many oil fields of California, one of the most serious obstacles encountered is the lack of water. If one hasn't it on his own property, it is probable he will be obliged to pipe it some distance, beside paying a round price to the lucky owner thereof. Such a difficulty was faced by the Gray Gander Oil company when they started drilling on their property in the Kern River district. "He laughs best who laughs last," is an adage which is especially exemplified by the further experience of this company. On their well No. 1, a strong flow of water was encountered at a depth of several hundred feet, which under ordinary circumstances would have been cut off. Knowing by experience the value of water in this field it was decided to utilize the blessing thus thrust upon them to its fullest extent. While they will continue drilling for oil on their well No. 2, well No. 1 is being pumped to fill water contracts aggregating about $1500 per month. Rather a unique, but surely a profitable venture.

Grace Oil Co.

Wells number 4 and 5 of the Grace Oil company are now drilling. Number 4 struck the oil sand at about 450 feet and has now penetrated over 200 feet, with a considerable flow of gas. Indications point to another good producer being added to their credit.

A NEW PUMPING POWER.

Direct movement oscillating pumping power. Less friction and more adjustable gearing than eccentric powers. (Patent applied for by J. E. Breitwiser.)

The above cut is interesting as a simple and novel pumping power for pumping any desired number of wells. Pumping powers heretofore have all worked on eccentrics or walking beams, and have necessarily been very heavy. They have also all been set on concrete foundations. In this one the engine and power are both volted to the same 12x12 sills. They are connected with sprocket chains rather than belts. The entire outfit is set up on the ground without an expensive foundation and can be moved without tearing down any part of the machinery. A sprocket chain from the engine drives a shaft containing a small gear pinion, which meshes into a large gear wheel. A piston rod connected to the gear wheel with a double motion joint passes to a heavy iron circular table five feet in diameter and is connected with a similar joint. The table is placed in a horizontal position at right angles to the gear wheel. As the gear wheel revolves, the piston moves this table back and forth one fourth of a revolution in an oscillating movement. A number of holes are bored in this table at various distances from its center, and each hole travels its especial distance back and forth, so that a cable leading to a well by being fastened with a chain in any certain hole in the table travels a different distance from any other. Therefore each well has any desired stroke. The length of the stroke of the piston can be changed in the gear-wheel, changing the stroke of all the wells at once. The entire machine weighs less than a ton.

Rowell's Resolution.

The following are the resolutions introduced in the State Senate by Senator C. Rowell, of Fresno, relative to the selection of lands, supposed to be oil bearing, under the Forest Lieu Land act:

Whereas, There are now pending in the land department at Washington, D. C., numerous applications of persons seeking to locate the oil mineral lands of this state in lieu of agricultural lands contained in various reservations pursuant to the act of June 4th, 1897, and,

Whereas, bona fide locators of said lands as mineral lands have contested such applications to select said oil lands under said act; and,

Whereas, The mineral locators and miners engaged in the development of oil lands in this state have developed an industry of great importance and value to this state and to its people, and,

Whereas, Most, if not all, of said applications to select said lands were made after they were well known to be oil mineral lands, and to fraudulently acquire said lands as agricultural lands, and said matters have been judically investigated before Judge E. M. Ross, judge of the Ninth circuit court, southern district of California, and by him adjudged as to the matters before him to be fraudulent and void applications for the selection of said oil lands as lieu lands; and,

Whereas, Said matters are pending for consideration and decision before the honorable secretary of the interior at Washington, D. C., and we believe that said attempted selections of oil mineral lands as lieu lands under said act of June 4, 1897, are palpably fraudulent, and that said attempt at locations in most instances were made and accepted only upon the filing of false affidavits in connection therewith, and believing that the acquiring of title to said lands as agricultural lands under said act would be a gross fraud, an injustice to the miners of this state and the persons who have actually developed the valuable character of said lands, and would, as we believe, amount to a fraud upon the government of this United States; therefore be it

Resolved, That the said honorable secretary of the interior is hereby requested and urged to fully and thoroughly investigate said matters on behalf of the government of the United States and to thoroughly and carefully examine into the truth and honesty of the applications made to select said lands as agricultural lands, and he is hereby requested to take all necessary steps on behalf of the government of the United States to fully examine into said matters and ascertain if frauds have been committed in the attempted selection of said mineral lands as agricultural lands and if the same be adjudged to have been fraudulent, as we feel and believe them to be, then we request the said secretary of the interior to use all lawful ways and means to prevent the consummation of said attempted fraudulent selections of said lands.

The Famoso.

The Famoso Oil and Investment company whose location has always been considered one of the most prolific in the Kern River district, in 4, 29-28, should be in the oil sand this week. The location of the company's property (in the midst of a producing section) is creating a more rapid demand for stock than was expected. The shares are now selling at fifty cents each, but at the rate applications are coming in, it is not unlikely that the price will be raised to seventy-five cents per share in the near future. Recent strikes in the same section, some of which are reported to be flowing from four hundred to six hundred barrels per day, assures the success of the Famoso's well.

A Noted Visitor.

Captain C. W. Owston, head of the Fuel Oil Department of the Standard Oil company, is in San Francisco on a tour of inspection in the interests of the company. In the East the only fuel oil is a residuum of twenty-five to thirty gravity, which remains after removal of the illuminating oil and other light gravity products by distillation. The consumption has fallen off recently, owing to the scarcity and high price of this class of oil and the comparatively low price of coal. This residual brings from seven to 15 cents a gallon. The Standard Oil company recently reduced the amount of residuum it was producing, which naturally resulted in higher prices, but at the present time there is reaction resulting in increased consumption. Most of the fuel oil is used for steam purposes. It has been used experimentally on the railroads, and several locomotives have been fitted up to burn oil, which are used in switching, but oil fuel cannot be employed for this purpose to any extent on acount of its scarcity. The amount consumed is about 15,000 barrels a day, of which the Standard handles the greater part, although there are several competing firms.

Fuel oil has been given a trial for domestic purposes in the Eastern States, but so far has not come into use to any great extent.

Hollister Crude Oil Co.

Has 100 Acres 4 miles south of Hollister, where companies are now drilling, and more rigs are being completed.

Our derrick and bank houses are finished and water pipe laid.

Capitalized for 5 10,000 shares at $1.00 each.

200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

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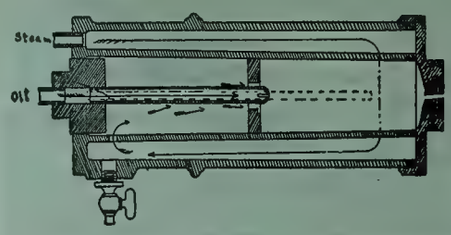
Pacific Coast Machinery Company



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Capital $500,000 shares,—$1 each.

Owns 1200 acres in the best part of the the Oil City District, Fresno County The land to be developed first lies but two and a half miles from railroad station No sand in the oil in this disrtict, the oil being of a higher, finer grade than further south.

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F. M. PERSINGER, Secretary

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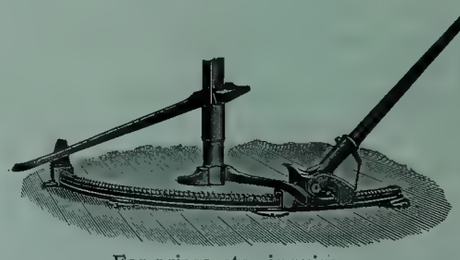

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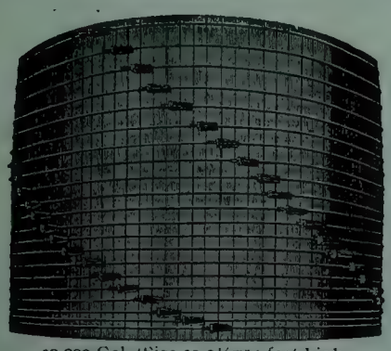

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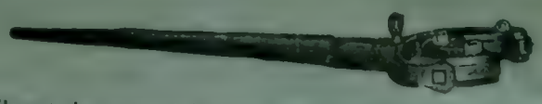

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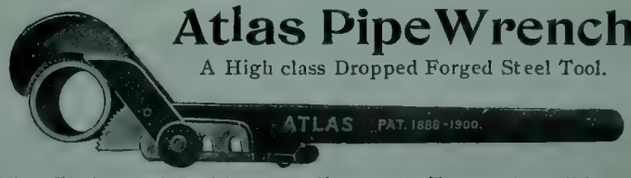

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Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
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Officers: S F Barstow, president: W J Pixley. 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary: H L Gear, attorney; Germania Trust Co., treasurer,
Office, 612 Examiner Building.

BONITA OIL CO.
Capital $500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Fransco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker
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COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares 1$ each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its tire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington. superintendent; Chas Conklin secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital $150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, presideut, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

COLOSSAL OIL AND MINING COMPANY.
Capital $500,000
500,000 shares at $1.00 per share
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice-president and manager, N. Hawthorne Spitzer, secretary and treasurer, A. W. Gale, uuperintendent of construction.
Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers--President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Abro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. ice 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital $200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GRAND PACIFIC OIL CO.
Capital $1,5000,00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

GOLDEN REWARD OIL & DEV. CO
Capital $300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice president, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street, San Francisco, Cal

GREAT NORTHERN OIL CO. OF OAKLAND
Capital $250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President. Geo A Gray Secretary.
Office, 476 Tenth street, Oakland

GREAT NORTHERN OIL CO.
Capital $600,000
600 000 shares at $1
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W, B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GUINDA OIL COMPANY.
Capital $20,000
200 shares at $100 each.
Location: 160 acres in Colusa county, section 34 township 13 north, range 3 west, M D M, on Salt Creek; also 1300 acres of leased lands in various sections in Colusa and Yolo counties.
Officers: H L Swain, president; D H Goodrich vice-president; A J Stratton, treasurer; F M Parcells, secretary; W D Reynolds, G H Jackson

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LINCOLN OIL COMPANY.
Capital $200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20. 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president. J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors--Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

M. C. Nunan, President. M. L. Culver, Sec. Daniel Meyer, Trs.

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Office—39 Flood Bldg

INDEPENDENCE OIL CO.
Capital $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office, Room 435, Parrott Building, S. F.

J S POTTS OIL, LAND AND DEV. CO.
Capital $600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispocounty.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital ..... $200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

MADERA CRUDE OIL CO
Capital $100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, we st, S B B and M, Sunset district.
Officers and Directors: W C; Tighe, president; Joe Bancroft, vice-president J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building. adera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital $1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 428c acre2.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amann, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office--606 Hearst (Examiner) Building, San Francisco.

OCEANSIDE OIL COMPANY OF ARIZONA
Capital $375,000
275,000 shares at $100 each.
Location; 1070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz, Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

PETROLEUM CENTER OIL CO
Capital $500,000
500.000 shares at $1.00
Incorporated, October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-Pesident, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland.
Office—Room 29, Third floor, Mills building, San Francisco

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telepheno, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco, Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000, Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett, attorney, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito coun California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1. 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg, 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY.
Capital $500,000
500,000 shares, at $1 00 each.
Incorporated, July 31, 1900.
Land, 290 acres, in Sunset and Kettleman Districts.
Officers and directors—Ambrose Harris, secretary: Tyree A Bell, superintendent, John L Greer, San Rafael. W B Taylor, San Rafael, D C Campbell, Los Angeles, A H Brod, Paul Redfield Lewis, L Barrere, San Francisco, H L Gear Frank N Stone, attorneys, Germania Trust Company, treasurer,
Offices 611 612 613 Hearst Bldg, San Francisco

SURETY OIL COMPANY

Capital [illegible]

600,000 shares par value $1.00 each.

Location, 240 acres in sections [illegible] T 3 N R 16 W, S B M, Los Angeles County Calif. Newhall district

Officers and Directors, M Estermann President Geo Greely King Vice President T H Pearne Secretary, D A Thieme M [illegible] Weiss

Farmers and Merchants Bank Depository

Office, 102 Henne Block, Los Angeles Calif

SALINAS OIL AND DEVELOPMENT COMPANY Incorporated [illegible] Capital, $1,000,000 Number of shares [illegible] Land, 2000 acres in Monterey county Officers and Directors—President Wm S McCarthy San Francisco vice president J J Quinn Independence, treasurer Wm S McCarthy secretary J B Olsen, San Francisco, superintendent Jno C Quinn C A Burcham, J F Baker S A Isom W J Ellis and S S Simon attorneys Hon Eugene F Bert, San Francisco Office—Rooms 523-524 Parrott Building, San Francisco

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SUPERIOR OIL COMPANY

Capital stock, 500,000 shares, par value $1 each 6,000 acres of land in the Sunset and McKittrick district

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president W Dixon, vice-president, J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace Attorney, C C Cowgill Office, No 17 Galtes block. Bakersfield, Cal.

THE RAVENOIL COMPANY,

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch. Bank of Bakersfield treasurer.

San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

THREE STATES OIL CO Limited.

Capital.....$1,000,000

1,000,000 shares at $1.

Location: 240 acres in McKittrick and Sunset Districts, Kern county.

Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Oon E P Colgan, I N Puttison, M F Levy

Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital.....$300,000.

Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, nea Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO.

Capital.....$500,000

100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers: Claus Kroeger president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton I. F Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone—Main 671

XLNT OIL COMPANY.

Capital stock.....$500,000

500,000 shares, par value, $1 per share.

Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M

Office—552 Parrott building, San francisco, Cal

YUKON CRUDE OIL CO.

Capital.....$250,000

100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.

Office 638 Market street, San Francisco

NOTICE OF ASSESSMENT.

CONTRA COSTA OIL & PETROLEUM COMPANY. Location of principal place of business, San Francisco, California. Location of works, Contra Costa County, California.

Notice is hereby given that at a meeting of the Board of Directors, held on the 21st day of January, 1901, an assessment [No. 1] of one [1] cent per share was levied upon the Capital Stock of the Corporation, payable immediately in United States gold coin, to the Secretary, at the office of the Company, Room 312, Examiner [Hearst] Building, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 23rd day of February, 1901, will be delinquent, and advertised for sale at public auction; and unless payment is made before, will be sold on TUESDAY, the 12th day of March, 1901, to pay the delinquent assessment, together with the cost of advertising and expenses of sale.

By order of the Board of Directors.

FRANK McGOWAN, Secretary.

Office, Examiner [Hearst] Building, Room 312, San Francisco, California.

Party who has half a carload of casing for Bakersfield desires to find some one who will use rest of car. Call at 209, Hearst Building.

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Analytical Chemist

Special attention given to the analysis of Oils, and to the tests o Gypsum, Kaolin Clay and other minerals held by the Land Department as sufficient to maintain placer mineral locations.

Quick and accurate returns at moderate prices.

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MONTEREY and
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Counties.

Forty to one hundred acres of free nd given for development.

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GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non = Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages:

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts, as follows: Sunset and McKittrick District, Kern County; Coalinga District, Fresno County; Kettleman District, Kings County, and Contra Costa County.

SECOND—Stock is absolutely Non-Assessable.

THIRD—Large Capitalization by which successful development in absolutely assured.

12,000 Shares Sold in One Day.

One hundred thousand shares sold in less than three months. Second 100,000 shares now selling rapidly at $1.00 per share; when sold 3rd 100,000 shares will be placed on the market at $2.50 per share.

The officers of the company are all well-known business and professional men. A. G. Deardorff, President; J. M. Merrell, Vice-President; John Choice, Secretary; Wells-Fargo Bank, Depository; F. A. Berlin, Attorney; Franklin Person, Superintendent Agencies. Directors: J. M. Merrell, E. H. Baxter, J. A. Miller, John Choice, J. C. Sala, F. A. Berlin, R. L. Rigdon, A. G. Deardorff.

Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

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Lands to lease on royalty or will take stock in progressive companies

Companies Incorporated under non-assessable laws.

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Telephone—Black 91.

Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capitalization. Economical management.

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,
399A Parrott Bldg, San Francisco

Casmalia Ranch Oil and Development Co.

Incorporated under the laws of California
Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

NEWTON, CARMEN & SOMES

S. C. MASON, Agent, 101 Chronicle building.

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VOLUME

NUMBER 16

PACIFIC OIL REPORTER

SAN FRANCISCO, CALIFORNIA, FRIDAY, FEBRUARY 22, 1901.

R.H. HERRON CO.
DEALERS IN
Oil Well Supplies
Largest House on the Pacific Coast.
THE LATEST IMPROVED MACHINERY AND TOOLS. READING CASING AND TUBING.
SAN FRANCISCO. LOS ANGELES.
BAKERSFIELD. HANFORD.
AND COALINGA.

2,000 More Shares of Sovereign Stock at 75 Cents Each

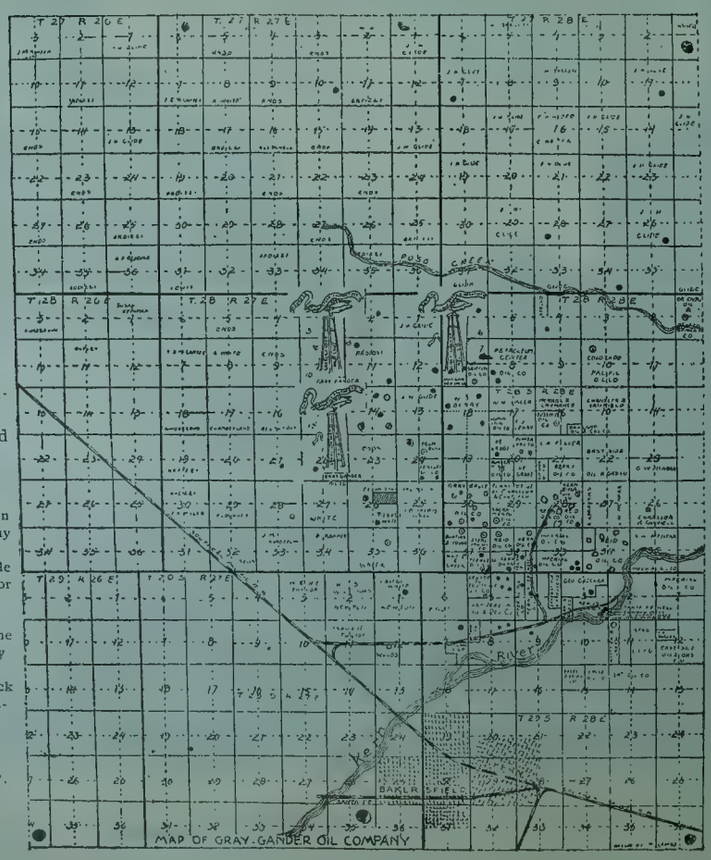
Three Drilling Rigs at Work

Location of land and management are two essential points to be considered before investing in oil stocks—both are factors in measuring profits. Progressiveness in management is necessary for quick returns. The Sovereign Oil Company was incorporated on October 15th last TO DRILL FOR OIL. It now has two completed wells (capacity 300 barrels) and well No. 3 is down 400 feet. Rigs are being moved from wells No. 1 and 2 to derricks 4 and 5, and wells No. 4 and 5 will soon be under way. Orders will be received for 2000 shares of development stock in order of receipt. Prospectus and Maps if you wish them.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

UNDER DIRECT MANAGEMENT OF H. H. BLOOD AND WILLIAM ELLERY.



GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.

Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... .....G. F. ABBOTT

Write or call at office 330 Pine street Rooms 44 and 45, for special inducements for short time.

PACIFIC OIL REPORTER

Vol. 2. No. 16 SAN FRANCISCO, CAL., FRIDAY, FEBRUARY 22, 1901. Price, Ten Cents

A LESSON POINTED BY 1109.

The Entire Oil Output Could Not Supply the Southern Pacific Engines of This State.

If the Southern Pacific company used only oil for fuel in its locomotives and stationary power plants in this state alone, it would consume over 4,500,000 barrels of oil per year.

The entire oil output of California is thus not at present sufficient to keep the wheels of this one railroad in operation in this one state and would not be if not a barrel were refined or consumed by anybody else. As the Pacific Oil Reporter recently announced exclusively, the Southern Pacific company has decided to rapidly equip its engines for fuel oil not only in this state but throughout a large part of its system and to substitute oil for coal to the extent that supply and economy of transportation will permit. Its consumption of oil will be enormously increased within a few months.

This and the consuming capacity stated afford a striking proof that beyond local and temporary congestions of supplies due to various conditions attending the mutual adjustment of supply and consumption, the spectre of overproduction in California is an absurd bugaboo. Some people cannot distinguish between a full storage tank and the final end of the oil industry in California. That industry is not completely smashed by a drop in the price of crude oil and it is not pent up in the table of oil statistics for 1900.

The Southern Pacific company is the second largest consumer in the state, the Santa Fe exceeding it. Under the policy decided upon it will doubtless soon take the lead. The enormous significance of the railroad use of oil makes any reliable information concerning it of interest to oil men generally and some valuable information in this line was gained the other day by a representative of this journal from Master Mechanic Wm. McKenzie and his chief assistants at the large shops of the company at West Oakland. What is here given is not at all a comprehensive exposition of the subject but a contribution to it from one particular source.

Oakland is the headquarters of the western division of the road which terminates on the south at Fresno and Mendota on the east and west valley lines respectively. The S. P. company has burned fuel oil on its southern California lines for years and since the development of the Kern River field has put a number of oil-burning locomotives on the valley lines south of the points mentioned.

North of Fresno and Mendota, on the western division, there are but three oil-burning locomotives in use so far but many more are to be fitted up in the near future. The first were put on this division about five months ago. Their use is mainly confined to the Owl train which runs between San Francisco and Los Angeles via Mendota on the west-side line, and the Fresno train. For some time the famous Owl flyer has been drawn by smokeless locomotives and these oil-burning steeds are among the finest passenger engines in the company's service. The success of the experiment has been most pronounced from the standpoints of both economy and the satisfaction of passengers who enjoy a complete absence of annoying smoke and cinders. The division officials mentioned are enthusiastic friends of fuel oil.

Assistant Master Mechanic W. H. Russel stated that it was safe to say that the fuel economy in these engines was twenty per cent. For this estimate the cost of cost of coal in the engine tender was reckoned at $4.20 per ton and that of fuel oil in the tender at "about 2¼ cents per gallon," which would be 94.5 cents per barrel. Few if any other large users of steam power in California can get coal as cheap as that, yet here is a declared economy of twenty per cent with coal at only $4.20. However, oil has not been used long enough nor extensively enough on this division to afford exact calculations of efficiencies.

The estimated cost of fitting up an engine for fuel oil is but $225. This includes tanks, brick work, etc., in the furnace, burners, labor, etc. In the splendid engine that hauls the Owl the oil is carried in two tanks set in the coal space in the tender. One is 20½x60x104 inches and the other 52x64x98 inches. The total capacity is 2,200 gallons, or about fifty-two barrels. Kern River oil is used and the fluidity of this heavy oil is increased by heating it to 150 degrees by turning steam directly into the oil in the tanks. It is stated that this practice, instead of the more usual one of passing the steam through a coil of pipe, is wholly satisfactory and the resulting water makes no trouble.

The oil runs to a four-inch burner at the back of the fire-box where it is ejected by a jet of steam. The flame strikes a wall of fire-brick under a projecting arch, which rolls the flame backward, filling the fire-box and allowing it to enter the flues equally. The burner used on the Southern Pacific engines is the Sheedy-Carrick, devised by Master Mechanic Sheedy and General Foreman Carrick of the shops at Los Angeles, about five years ago.

At the West Oakland yards sixteen men are now employed exclusively in handling coal for supplying engines there. It was stated that if oil were exclusively used but four of these men would be needed. There would, of course, be a great saving of labor elsewhere in the total handling of fuel, besides a large economy in transportation. The only increased expense caused by oil is in repair of fire-boxes, which burn out quicker, but this is offset many times by the other financial considerations. Mr. Russell gave an interesting statement of the consumption of oil by a locomotive. During December one engine running the Owl between Mendota and Oakland averaged 13.48 miles per 100 gallons of fuel oil. Another engine averaged 13.03 miles per 100 gallons. On such fast runs 13.5 gallons per 100 miles may be assumed as a working figure. The Owl engine makes the trip from Oakland to Mendota and back daily, a total service of 348 miles, and on the basis named this engine uses 2,355 gallons or fifty-six barrels daily—1,680 barrels per month or 20,160 barrels per year. That would run quite a manufacturing plant. A gallon of oil will take the heavy Owl train 720 feet and to take it a mile costs seven and one-third gallons. It requires eighty-five barrels to take the Owl from San Francisco to Los Angeles—if the Tehachapi climb is ignored in the calculation.

The consumption of oil in a locomotive, reckoned on a mileage or a time basis, varies with the engine, the service, etc. It would be greater on a freight train. The writer does not know what the average might be on a freight or a slow passenger train but for the general purposes of an illustration it will be assumed that a total average for all engines would be ten miles per 100 gallons. On the western division of the Southern Pacific system alone, there are 137

One of the fast oil-burning passenger engines which run the Owl Express, taking on oil at the West Oakland yard, while the big crane for loading coal stands idle. Photo. by Turrill & Miller.

locomotives in use. Their daily service varied greatly, but the total average for the month of December as stated by the master mechanic, was 3,169 miles of actual mileage per engine, freight and passenger. On the basis of ten miles per 100 gallons, the oil consumption would have been 31,690 gallons or 754.5 barrels per engine per month, had this fuel been exclusively used, or 4,341,530 gallons or 103,370 barrels for this division per month. For twelve months the consumption would be 1,240,440 barrels.

In this state the company maintains 500 engines in service. If the average figures, known and assumed, for the western division are applied to the whole service in the state, we find a total theoretical consumption of 4,527,000 barrels per year. The Southern Pacific plans to use fuel oil on its lines in other states as well. We do not produce enough oil to keep this company supplied in one state. These figures are. of course, largely speculative and complete and exact data have never been compiled, but they are sufficiently reliable to show what one consumer could do to the oil product of California and to give an idea of what railroad use of fuel oil means to the industry.

But the Southern Pacific company is also a large user of fuel oil in other ways than in its locomotives. At the West Oakland shops 5000 barrels are used monthly under the stationary steam boilers which provide power for the shops. For this Coalinga oil is used. Many thousands of barrels are used monthly in stationary power plants in other parts of the system and this consumption will increase in the future.

The same considerations of economy and satisfaction which impel the use of fuel oil in locomotives, have directed this use of crude petroleum under boilers that stand within a stone's throw of vast piles of the cheapest coal found on the Pacific Coast. The Southern Pacific through owning large coal mines of its own in Wyoming and on the Northern coast, effecting its own transportation by rail and collier and through buying coal by ship loads when necessary, is able to supply itself with good steam coal about forty per cent cheaper than any other large user of power in the state, no matter how advantageously the latter is situated. The experience and policy of this big corporation in regard to the fuel problem should thus serve to particularly command the attention of manufacturers to the demonstrated efficiency of fuel oil.

And as before observed, it should serve to all interested in the oil industry as a partial demonstration of the immensity of the possible and probable consumption of fuel oil in California.

A very interesting special use of crude oil has been evolved at these West Oakland shops, and it has attracted wide attention throughout the United States. The "frame" of a locomotive is composed of massive steel, the bars in places being four inches or more square. The frame supports the driving machinery, is subject to great strains and is practically inaccessible for repairs. When a frame broke it was always necessary to raise the boiler, take the machinery practically apart and remove the frame to a forge.

About a year ago an engine came in with a broken frame, the broken part being 3x4 inches. General Foreman Kellogg called his inventive genius into play and decided to attempt the forging of the bar where it was. A little furnace of fire brick was built around the break, a blast of steam-driven oil was turned on the bar from a specially contrived burner, the bar was heated to a white heat and the blacksmiths quickly and successfully welded the bar. The engine was ready for the road as soon as the bar cooled. Mr. Kellogg described the experiment in the Locomotive Engineer and received scores of inquiries. Since then it has been the usual practice to so repair engine frames as the engine stands in the shop without removing any of the machinery. Recently an engine so injured was ready for the road in eighteen hours after coming in. Under the former practice repairs would have taken two weeks.

Boiler tubes are now welded in the same way and with a similar remarkable economy of time and labor. This use of a blast of petroleum flame, perfectly and easily directed and controlled, will doubtless know a much wider use in mechanical engineering.

ON THE SANTA FE.

Some interesting facts in reference to the use of oil on railroads are given in the Railway Review. Since the Californian oil was found suitable for fuel purposes, the Santa Fe company has been developing fields of its own, and these, in connection with the developments of private corporations, have resulted in the provision of a supply of such magnitude as to justify the equipment of many locomotives in this district with oil-burning apparatus. In consequence there are at this time some 200 locomotives on the Santa Fe and Southern Pacific systems. Both lines are increasing the number of locomotives so equipped and the Santa Fe has for some time past been using 30,000 barrels of oil a month, while it recently closed a five years' contract with some of the heaviest oil producers whereby it was to be furnished with 750,000 barrels of oil a year—this in addition to the production of its own oil wells.

At the locomotive terminals the oil is handled a great deal after the manner of water—that is, the oil is stored in 30,000-gallon tanks, of which there are generally two, laid side by side on foundations which give them sufficient elevation to make the oil flow freely through spouts (similar to the usual water standpipe) into the tank on the locomotive tender, with which the usual coal space is supplanted. Where the tender of the locomotive being changed from a coal burner to an oil burner is in good condition, the oil tank is separate, and is merely set into the coal space, but where circumstances justify, a special form of combination tank is built, in which the oil tank is surrounded by water except at the bottom.

While a pop valve on the oil tank is provided to guard against dangers of explosion from an accumulation of gases, a pressure of of air not exceeding five pounds is kept in the tank in order to make the oil flow freely to the burner. The burner used by the Santa Fe lines is a double chambered casting which is fastened on a mud ring midway between the frames. The oil coming from the tender, through a regulating valve controlled by the fireman, issues from the orifice of the upper chamber, which is 3 by ½ in. At this point it falls on and is caught up by the thin sheet of steam emerging from the orifice of the lower chamber, which is 3½ by 1-32 in. In this manner it is sprayed out into firebox. The burner used by the Southern Pacific lines has three chambers or passages—an upper one supplying oil, a lower one meeting the oil with a sheet of steam, and a central passage throwing a sheet of air in between the spray. The mixture then emerges into the box from a single orifice. This burner is set through the rear water space above the mud ring. The points of difference lie in the Santa Fe burner tending to project the spray in an upward direction and to regulate the air supply by means of the ash pan dampers—these being large air openings in the bricked floor of the firebox. The Southern Pacific burner tends to project the spray straight out into the box and the air supply is supplied partly in the mixture and in a less measure from the openings in the brickwork of the floor.

The Santa Fe has been experimenting with different arrangements of bricking in the firebox and a change of the location of the burner to the front mud ring. The necessity of bricking when using oil for fuel is due to several reasons. Without bricking the flame would be very severe on the sheets, especially as the degree of heat can be varied throughout its entire range of capacity almost instantly—which, of course, would render it possible for a careless crew to produce dire results. The floor must be bricked in sufficiently to reduce the air supply, but the principal reason for the brickwork is that it is essential for the spray to impinge upon an incandescent mass in order to give it best results. The bricking, when once heated, preserves sufficient heat to permit the flame to be shut off when drifting or at a station and yet ignite the spray when again started. The volume of flame is very great and the arch is needed to retard its exit from the box as long as possible. With the burner at the front of the box the spray is projected in an opposite direction from the draft and will thus have to be pulled up and back over again before reaching the tubes. This affords opportunity to introduce more bricking to impede the progress of the flame without interfering with its ultimate exit, and taken all together is thought to much increase the efficiency of the firebox.

Oil as a locomotive fuel has many advantages aside from the relation its actual performance per mile as compared with coal affords in point of cost. In carrying seven tons of oil, the locomotive is taken to have the equivalent of a supply of a little over ten tons of coal. Beyond this it must kept in mind that the saving in the way of rapidity of fuel supply, the absence of cinders, etc., at the terminals, together with the absence of sparks, necessity for smoke and the ease and control of firing, all combine to effect a saving with and general preference for the oil fuel.

The fixtures necessary on the oil tank comprise a line of piping from the engine through which the air pressure is derived for making the oil flow readily. The pressure is kept from exceeding five pounds in amount by a pop valve which also takes care of any pressure arising from the oil gases. An air gauge is supplied at this point for registering purposes. The oil leaves the tender through a lift valve kept in suspense by a rope fastened to the cab. In case of a break-in-two the rope will break and permit the valve to drop and shut off the escape of oil to the ground. The results of service with this fuel have been so economical and satisfactory that the number of locomotives equipped to use it is being constantly augmented.

Large Oil Tanks.

Colonel James L. Guffey has just contracted with the Riter-Conley Manufacturing company for five of the largest oil storage tanks ever constructed for his monster gusher in Southwestern Texas. The tanks will have a capacity of 50,000 barrels of oil, and will be made of Pittsburg steel and by Pittsburg workmen. Colonel Guffey has also purchased 110,000 feet, or almost twenty miles, of pipe, from the National tube company for the line he will construct to tidewater at Port Arthur. This line will be laid by expert oil men sent to Texas by Colonel Guffey. Over $250,000 will be spent alone in the tanks, the pipe and the construction of the line.

Notice.

TO THE STOCKHOLDERS OF THE TEMPLORE OIL COMPANY, A CORPORATION.

There will be a special meeting of the stockholders of the Templore Oil Company, held at the office of said company, at room 115 Phelan Building, San Francisco, at 8 o'clock A. M on the 15th day of April, 1901.

This meeting is called for the purpose of increasing the capital stock of the said company from $200,000 to $500,000. By order of the Board of Directors.

J S GRAHAM, President.
F M PERSINGER, Secretary.

Hollister Crude Oil Co.

Has 100 Acres 4 miles south of Hollister, where companies are now drilling, and more rigs are being completed.

Our derrick and bunk houses are finished and water pipe laid.

Capitalized for 500,000 shares at $1.00 each.

200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

For prospectuses or information apply to agents or to

C. J. TALLON,

Room 16. **308 Market St.**

OIL IN CALIFORNIA.

Statistical Review of Industry For 1899.

The activity in prospecting for petroleum in Southwestern California noted in the previous year continued throughout 1899. A large number of wells were drilled in extending the old fields and searching for new ones. There is an immense area in the state which contains rocks and shales more or less saturated with bitumen as well as numerous springs from which more or less petroleum finds its way to the surface.

Along the line of the coast range, with its numerous diverging ranges, large areas are found where the strata have been more or less folded, but not changed by heat, bringing about the favorable conditions for the accumulation of petroleum. The development of 1899 of most importance was that found in Kern county, ten miles north of Bakersfield. There were other new developments discovered to the south and west of Bakersfield. This county added 15,000 barrels to the output of the state in 1899, as compared with 10,000 barrels in 1898, nothing being credited in 1897. Fresno county produced 439,372 barrels in 1899 as compared with 150,000 barrels in 1898, or nearly three times the quantity.

Nearly all the petroleum produced in California is dark in color and heavy in quantity. The great bulk of the product comes from Los Angeles county. The heavy petroleum ranges from 9 degrees to 18 degrees B. That produced in Fresno county is light in color, and most of it is as light as 34 degrees B. in gravity.

The largest market for petroleum in this state is for fuel purposes, owing to the scarcity and high cost of the coal and other fuel on the Pacific Coast. Some of the lighter products of the heavy oils are taken out by refining. The light oil from Fresno county finds a market mostly in the manufacture of gas. California oil is used extensively as fuel in sugar manufactures; in generating steam for electric light and power plants in pumping water; in refineries and pumping wells; it is also being introduced extensively as locomotive fuel and to some extent in the manufacture of iron and steel. Another novel use to which California petroleum has been put is the improvement of public roads.

One hundred barrels per mile are sprinkled on a roadway eighteen feet in width, applied hot. Sixty barrels are employed at first, and two subsequent applications of twenty barrels each are made. The best results are secured on a dry, dusty road, where it combines with the dust and forms a hard surface similar to asphalt, which is durable and free from dust. In the region of Los Angeles repeated trials have proven it to be a great success. A portion of the petroleum is refined at Los Angeles, Chino, Alameda, and at Oleum, near San Francisco. Some very satisfactory grades of lubricating oil are also produced. The illuminating oil will not compare favorably with Eastern illuminating oil.

Crude petroleum is transported along the Pacific Coast as far north as San Francisco and Oleum in steel barges. The crude oil is collected in storage tanks at Wilmington in Southern Los Angeles county, Ventura and Santa Barbara.

The production of crude petroleum in California in 1899 was 2,642,085 barrels, valued at $2,508,751, about 95 cents a barrel. As compared with 1898, there was an increase of 384,888 barrels in production and 10 cents in average price per barrel. Los Angeles county, which takes first rank in the amount of production, produced 1,398,690, valued at 95.3 a barrel. Out of the total quantity produced in Los Angeles county 1,032,960 barrels, valued at $960,746, or 93 cents a barrel, were produced in Los Angeles city. The other counties of California which produced petroleum, ranged according to their output, were: Ventura, 495,200 barrels; Fresno, 439,372 barrels; Santa Barbara, 208,370; Orange, 108,077; Kern, 15,000; and Santa Barbara, 1500.

OIL LAND LOCATIONS.

Law of the Subject Definitely Set Forth.

Many conflicting statements have been in circulation regarding the amount of land to be secured by mineral locations on oil lands. The REPORTER has secured a legal opinion on the subject from W. W. Kaye. Esq., of this city, which gives a definite statement of the law and cites authorities therefor:

UNDER WHAT LAWS ARE OIL LANDS APPROPRIATED.

Petroleum has always been recognized as a mineral, and by the act of Congress, February 11, 1897, lands containing petroleum or other mineral oils and chiefly valuable therefor, are subject to appropriation from the public domain under the placer mining laws.

The rights of citizens and of aliens who have declared their intention to become citizens, to appropriate placer mineral lands, is given by the various acts of Congress, supplemented by state legislation, and district rules and regulations, not in conflict therewith. The federal laws may be found in the Revised Statutes of the United States, Section 2318 et seq.

HOW MUCH MAY ONE PERSON APPROPRIATE?

The amount of land which one person may acquire under the placer mining laws is unlimited, but the amount which he may acquire by a single location is limited to twenty acres, and an association of two or more persons, not exceeding eight in number, may make a single location of an area not to exceed twenty acres for each locator, thus making 160 acres for each eight persons. These locations when on surveyed public lands must conform as near as practicable with the United States system of public land surveys and the rectangular subdivisions thereof. (Secs. 2329-2331 Rev. St. U. S.)

DISCOVERY ON A GROUP LOCATION.

A single discovery is sufficient to hold an entire location of 160 acres by an association, and discovery need not be made upon each twenty acres thereof. Upon application for a patent, however, legal subdivisions of such a group location which are shown to be valuable chiefly for agricultural purposes, may be excluded from entry for patent.

ANNUAL LABOR AND TIME WITHIN WHICH REQUIRED.

Upon each location, whether of twenty acres by an individual, or of an amount not exceeding 160 acres by an association, one hundred dollars worth of labor is required to be performed for each year beginning with the first of January next succeeding the date of location, until the claim is entered in the land office for patent. Such labor may be performed upon one only of a group of locations if the total value thereof equals $100 for each location, and if such labor will inure to the benefit of each location within the group.

WILLIAM W. KAYE.

Oil Storage in Russia.

The Russians burn oil on their locomotives, and the immensity of the Russian oil industry is well known. In America we build a costly tank of heavy boiler iron in which to store the oil. The lower plates, which stand the greatest strain, are of very heavy iron, and they decrease in thickness toward the top, according to the pressure they are required to sustain. The Chronicle says the Russians store oil without the necessity of building costly tanks, as they store it in water. If there be no natural body of water at hand, they make an excavation and fill it with water. In the center of this artificial lake they drive a circular row of piles, from which they suspend a bottomless tank of thin sheet iron. The tank is of the thinnest possible material and could be made as well of any water proof fabric. The top is kept a little above the surface of the water. The oil flows from a pipe into the center of the tanked enclosure, and, being lighter than water, floats on top. As the oil flows in the water flow out of the bottom of the tank. As the pressure of the water from without is the same as the pressure of the oil from within, the tank has to stand no strain and can therefore be made of any material that will prevent the seepage of oil. The arrangement has many advantages. The sand and dirt that is pumped out of an oil well and which collects in the bottom of tanks is a never-ending source of trouble. By this arrangement the sand sinks to the bottom of the lake and the oil purifies itself. If a tank of oil gets on fire they can save the oil by pumping it from the bottom, as the oil burns only on the surface. When all the oil has been withdrawn the flames have nothing to feed on but the surface of the water, and the fire goes out. This device may appeal to oil men in California.

Near McKittrick.

The Golden Reward Oil and Development company have sublet a portion of their property in T 31 S, R 22 E, section 10 and 14 to a large wholesale firm of San Francisco. This new company is backed by a strong capital, and will begin active development at once.

Casmalia Ranch Oil and Development Co.

Incorporated under the laws of California
Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capitalization. Economical management.

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,
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PACIFIC OIL REPORTER

Published Weekly
The Oil authority of the Pacific Coast
Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS
318 Pine Street, San Francisco
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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, FEBUARY 22, 1901.

California Illuminating Oil

Col. M. M. Ogden is authority for the statement that California fuel oil can be refined just as successfully and economically as Eastern oil. He claims to know of a process of distillation whereby not only California illuminating oil is equal to the Eastern article, but also the cost of refining is not greater than that which prevails in the East.

He believes that in a short time a large number of refining plants will be in operation, principally about San Francisco, and that the refined California product will soon be shipped in immense quantities to the Orient as well as to northern and southern ports.

Col. Ogden has recently returned from an experting trip in the Colorado Desert in San Diego county and believes that this district will soon be producing an immense quantity of oil in every way suitable for illuminating purposes.

A Uniform Standard

The recent reports of a great fire in the oil fields at Baku, Russia, has brought home to oil men the fact that there is no industry in an English-speaking land which has a more cumbersome system of measuring its output. The Russian "pood" as reported in the dispatches referred to is equal to thirty pounds in weight, and as a gallon of Eastern oil weighs a little over six pounds, it is equivalent to about six gallons or one-seventh of a barrel. Russia and England are the only civilized European countries which have not adopted the metric system, and even in this country of ours the meter is the only standard of measurements used in text-books and treatises on science, and has been taught in the public schools to a sufficient extent to make its adoption by the next generation a matter of probability. Meanwhile we have barrels of 31½ gallons and 42 gallons and other numbers of gallons, and the gallon is of different size in different places. Let us hope that the metric system may come, so that oil men may have a definite standard.

Foolish Producers.

One of the best posted oil men in California says that a fair estimate of the actual oil production of of California to-day is 14,000 barrels per day. In six months he believes that this production will equal at least 25,000 barrels a day.

In spite of rumors to the contrary the production is not keeping pace with the demand. In other words the amount demanded by consumers increases more rapidly than the amount that can be furnished by the producers.

There is no reason why producers of good oil should offer this oil at the ruinous rates quoted in certain oil districts. For example, a rate of forty cents was offered on 100,000 barrels within the last week; this price was for oil placed on the cars at Bakersfield. One contract signed for nearly three years nets the producer eighty cents a barrel and the consumer would double the order provided they could find oil of equal value for fuel purposes.

The trouble is that a few companies having one or two producing wells are doing their utmost to obtain money for further development purpcses and in order to do so place upon the market an inferior quality of oil, containing a large amount of sand, and offer it at prices that are now demoralizing the market.

This state of affairs will undoubtedly soon cease as large companies will shortly be in a position where they can handle a good portion of the output of the larger fields.

The companies are able and willing to pay a fair price for oil but will insist that the oil be free from sand and be acceptable for fuel purposes.

The sooner these big companies get into a position where they can operate extensively, the better it will be for the oil producers and the oil industry generally.

Getting Down to Business

The sales of stock recently in the the Producers' Oil Exchange all point to the fact that the oil industry of California is emerging from its speculative stage and is getting down to solid business principles. The stock of a company ought to have not prospective worth but a selling value dependent upon the amount of its actual production.

A few weeks ago the Producers' Oil Exchange sold weekly over $200,000 worth of stock in its formal sessions; to-day it is not selling more than one-half this amount of oil stocks. The decrease in amount of actual sales by no means indicates a lessening of the interest being taken by the public in oil matters; it simply proves that the public is beginning to understand that the value of oil stock depends, not upon its prospective value, but upon the actual producing capacity of the company together with the management upon which its success or failure depends.

Had Its Teeth Drawn.

Senate Bill No. 18 for the Inspection of Illuminating Oils has finally gone down before the storm of opposition it encountered, but Senator Currier is not a man to give up easily, and has substituted a new measure which is not likely to arouse antagonism, though a law which it is nobody's business and nobody's interest to enforce runs a risk of not being enforced. The intent of the substitute is to prevent unscrupulous dealers from mixing distillate of a low fire test with illuminating oil and selling it under improper representations as to its character. The degree required by the test is 115°, to be taken with a Tagliabue electric open cup apparatus. The bill is numbered S. B. 556. It was introduced on February 12 and referred to the Committee on Manufactures.

It reads as follows:

AN ACT

TO ADD A NEW SECTION TO THE PENAL CODE, TO BE NUMBERED 380a, RELATING TO THE REGULATION OF THE MARKING, IDENTIFYING, AND SALE OF PRODUCTS OF CRUDE OIL AND PETROLEUM USED FOR ILLUMINATING AND FUEL PURPOSES.

Section 1.—A new section is hereby added to the Penal Code of the State of California, numbered Three Hundred and Eighty a, as follows:

Section 380a—The products of crude oil, or petroleum, that are used for illuminating or fuel purposes, may only be offered for sale uuder the following regulations and restrictions, viz: Benzine, gasoline, naphtha, and distillate, must be sold under their true names, respectively, and such name must be impressed or otherwise plainly shown upon the barrel, can, or vessel, in which the same is sold, offered or exposed for sale, respectively, or upon a label conspicuously and securely fastened thereto; and every barrel, can or vessel of kerosene or coal oil that is sold, offered or exposed for sale, shall be in like manner plainly marked or labeled with the word "kerosene" or "coal oil," and with the degree Fahrenheit below which the same will not flash, and the degree Fahrenheit of fire test. No kerosene or coal oil shall be sold, offered or exposed for sale, which will not stand a fire test of one hundred and fifteen degrees Fahrenheit. The test by which the degree of flash or fire test shall be made is the open Tagliabue electric cup. Said label, impress, or other mark hereinbefore required to be placed upon such barrel, can or vessel, containing kerosene or coal oil, shall also specify the altitude or barometric pressure at which the guaranteed test has been made.

It shall be a violation of the provisions of this section, if any statement hereby required is false in regard to the articles sold or offered for sale, or in the case of kerosene or coal oil, if the marked flash test or fire test on the package or label is higher in degrees than the said article will actually stand under the test hereinbefore specified, and the person, firm, or corporation violating any of these provisions, or any other provision of this act, is guilty of a misdemeanor.

Section 2.—This act shall take effect six months from and after its passage.

Good Times Are Expected.

Those best acquainted with the oil situation prophesy good times ahead for the oil men.

New development work has been at a standstill for two months on account of the condition of the roads in every one of the oil districts. As a rule an oil well is drilled in a locality more or less distant from the main traveled roads. When, as is the case in many oil localities, the soil is of an adobe nature, the rains of the last six weeks have made heavy hauling absolutely impossible. No lumber could be obtained for the derricks, and if, as was the case in many instances, the derrick had been erected, it was impossible to get the engine, boiler and machinery to the derrick.

Had it not been for the wet weather several new districts would have undoubtedly been opened up since the first of the year. When the weather settles and the roads become passable new development operations will be pushed as rapidly as possible all over the state, and by the first of April the great increase in the number of producing wells, some of them in heretofore unproven districts, will give a great impetus to the oil industry, and will cause a great demand for oil stocks.

License for Oil Stock.

Considerable consternation has been caused amongst the local venders of stock in Sacramento by the stand which has been taken by the United States Internal Revenue Agent at that point, who had declared that all persons engaged in the sale of oil stock, other than that of their own companies, must pay a yearly license.

According to the Record-Union the government agent claims that all persons selling oil stock are brokers, and must pay a yearly license of $50. He also claims that all persons selling oil stock on commission are liable to pay the same tax, or the companies they represent must pay the same.

Companies that are selling their own stock are exempt, as are their salaried employes. This yearly license is for the fiscal year, which begins July 1st and ends in the following June, but every person engaged in the sale of alien stock must pay the general pro rata due on the unexpired fiscal year.

Land Withdrawn.

The Southern Pacific company has withdrawn its land in township 29-29, for which a large number of persons were making application for leases.

It is thought that the indications made by the Federal on 3, 30-30, may have influenced its decision. There is also a rig operating on 24, 29-29, which is not yet deep enough to determine anything.

Atlas Pipe Wrench

The Atlas Pipe Wrench company of New York and San Francisco take pleasure in informing their patrons that the increasing demand for Atlas Pipe Wrenches has compelled them to increase their facilities, and they are now ready to deliver wrenches in any quantity, and can hereafter promise immediate delivery.

Oil Men, Attention!!

The Occidental Exploration Company buys, develops, exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

F. H. HAUSMAN, Secretary.

Room 32, 8th Floor Mills Bldg.

San Francisco, Cal.

The Road to Wealth

Headquarters School and Government Lands.

Lands all counties in California No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

WISEMAN'S LAND BUREAU

237 W 1st street

Los Angeles, California.

FOR SALE

We have leasehold interest with right to purchase, subject to one-eighth royalty, the southeast quarter of Section 20, 28-28. We will sell in 20-acre tracts or as a whole. We have also leasehold, with right to purchase, the southeast one-quarter of the northwest o e-quarter of Section 32, 28-28. For terms address

OMAR OIL CO.

254 South Los Angeles Street,

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Telephone Main 809. Member Producer's Oil Exchange.

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BROWN & POWER

Blank Book Mfs., Stationers,

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Corporation Supplies. The best in San Francisco. 60 different samples of certificates appropriate for oil companies to choose from.

406 California Street,

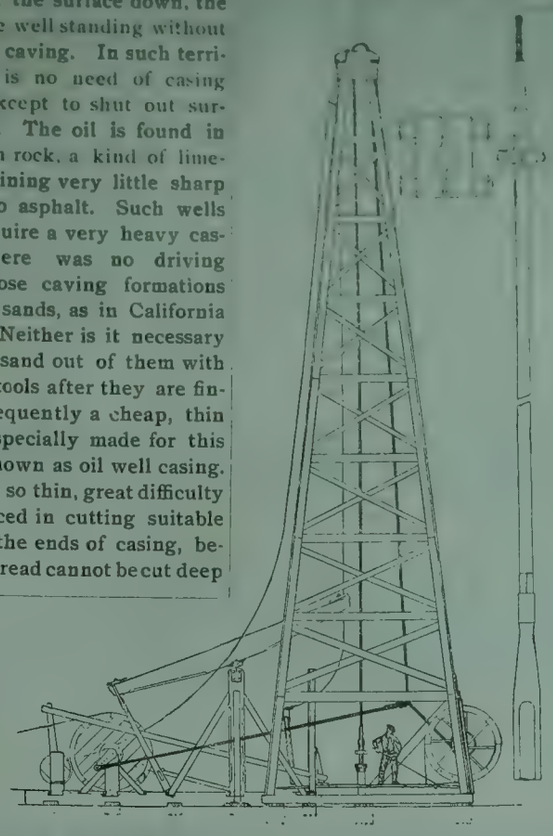
Tel., Main 1070 San Francisco

OIL LANDS.

Kern River and McKittrick Districts. Close to railroad and producing wells. Good opportunity to form companies. T. S. ATHERSTONE, 405 Montgomery street, Room 5.

WHY DRIVE PIPE IS PREFERRED TO CASING.

The matter of casing a well is one of quite serious importance and one that is receiving much attention at present in California. In Pennsylvania, West Virginia and Ohio fields the formation is one of solid rock from within a few feet of the surface down, the walls of the well standing without any fear of caving. In such territory there is no need of casing the well except to shut out surface water. The oil is found in the Trenton rock, a kind of limestone containing very little sharp sand and no asphalt. Such wells did not require a very heavy casing, as there was no driving through loose caving formations or heaving sands, as in California territory. Neither is it necessary to drill the sand out of them with a string of tools after they are finished, consequently a cheap, thin pipe was especially made for this purpose, known as oil well casing. Being made so thin, great difficulty is experienced in cutting suitable threads on the ends of casing, because the thread cannot be cut deep enough with safety. The process of drawing casing from immense red-hot billets of iron need not be discussed at length here, as it is well known that the iron is drawn out into lengths from a billet by powerful machinery in such a manner that the grain of the metal runs lengthwise, so that when suddenly jarred as in driving, the fibers are separated and the casing opens up or collapses, as it is commonly called.



Method of Driving Pipe with Drilling Tools. The Heavy Clamp Shown in the Illustration is Fastened to the Bit, which Remains in the Hole and Furnishes the Necessary Weight.

In drive-pipe, on the other hand, the billet, instead of being drawn as above described, is rolled into sheets, thereby compressing the fibers and greatly increasing the tensile strength of the metal. Everyone knows that the blacksmith pounds his piece of steel to make it strong and the drive pipe is rolled with the same end in view. It is then formed into a circle and the edges lapped and welded. The threads on the drive-pipe can be cut deeper on account of its greater thickness, thus avoiding the stripping of the threads so common with casing when driven. The couplings are also much heavier than casing and threaded so as to allow the ends of the pipe to shoulder upon one another in the center of the coupling, thus relieving the threads of the jar caused by driving. Casing being so thin it is not possible to thread it so as to make the lengths shoulder as in drive-pipe.

The heaving sand common in California fields is removed by the use of walking beam tools, mud-scows, bailers and sand pumps. As all of these are constantly run in and out of the well, striking and wearing the thin wall of casing, it is but a short time until holes are worn through, admitting stones, sand, water and other materials, virtually closing up the well. Drive-pipe being so much thicker and stronger in every way is undoubtedly the best for the inner string of casing, although ordinary casing answers sufficiently well for the larger sizes, as they are used only to hold the walls back until the inner string is put in the well.

Fig. 1—Drive Pipe, Showing the Heavy Threads and Shouldered Coupling. Fig. 2.—Ordinary Casing.

Drive-pipe has been used with eminent success by several companies in the Kern River and McKittrick fields. Among these is the San Francisco-McKittrick, operating to the northwest of the Kern River at McKittrick. This company failed twice to go down on account of the collapse of casing, but when they began the use of drive pipe they had no trouble in going down through the heaving sand. This was proved to be good ground when the oil rose through 300 feet of sand in one of the first wells. Another successful user of it is the Century, on sec. 24, 28-27, Kern River field. This company made 197 feet in five days with drive-pipe, equal to the distance made in any six previous weeks with ordinary casing, and claim a ratio of six to one in favor of drive-pipe. It has also been put in use by several other companies. In regard to cost, 5⅝ casing delivered at terminal points in carload lots is quoted at 45 cents, while the corresponding 6-inch drive-pipe is worth 79 cents. Other sizes are in proportion.

A New Office.

The San Jose Petroleum company has opened an office in San Francisco in the Adams' building, 206 Kearny street, with J. C. Conkling, of San Jose, in charge. The company will soon be operating on 640 acres of superior oil land in the Fresno-Benito district. The management is in the hands of well known and reliable San Jose business men.

Uses Dynamite.

From the San Jacinto Register of February 7th, it is learned that the oil company over there will shoot its well with 100 pounds of dynamite. A fair supply of water is now afforded, but it is expected that this will be greatly increased by opening seams in the hard rock strata.

Rush of Work.

There is a grand rush of work on at the Santa Fe shops because of the many locomotives the company is changing from coal to oil burners. All the men in that department are on extra time, and the rush will not end until the company is secure against another coal famine.

Crystal Oil Company.

The Crystal Oil company, recently incorporated under the laws of California, will soon begin operations on 160 acres in the Fresno-San Benito district. Experts pronounce the indications first class. The company has offices at 3 Eddy street in this city.

Law For Oil Men.

CONSTRUCTION OF GAS LEASE

Under an oil and gas lease for a term of twenty years a well was drilled, and produced gas which was utilized by the assignees of the lessees, who paid the lessor a stipulated royalty of $500 per annum on the well for two successive years, and before the end of the second year the well, through no fault of the assignees and operators, was flooded with salt water and ceased to produce gas, not being due to any negligence of the assignees. A lessor brought suit against the assignees of the lessees to recover the third and fourth years' royalty on the well. It was held that there should be read into the lease the implied agreement or understanding that the well which was to be paid at the rate of $500 a year was to be and remain a gas well, and that when it ceased to produce gas it ceased to be a gas well.—McConnell vs. Lawrence Natural Gas Company (30 Pittsburg "Legal Journal," 346); Court of Common Pleas of Pennsylvania.

WHEN WRITTEN NOTICE OF FORFEITURE IS ESSENTIAL.—Where a lease of oil lands provided that the lessor should have the right to forfeit it if the lessee failed to begin operations under same within a certain time, unless the lessee, on written notice, should elect to pay a certain sum annually during the delay, such written notice was essential to a forfeiture, and the mere delay in beginning operations beyond the time limited was not of itself sufficient to forfeit the lease and let in a subsequent lessee, whose lease was conditioned on the avoidance of the first. Where an agent of the lessee of oil lands, whose business it was to take leases, had knowledge of a prior lease at the time of taking his principal's lease, and the vice-president of such lessee also had sufficient knowledge to put on inquiry, and the lessee interposed no defence of innocent purchaser, the latter's rights will be subordinate to those of the prior lessee.—South Penn Oil Company vs. Stone (57 Southwestern Reporter, 374; Court of Chancery Appeals of Tennessee.)

Mine surveying does not count as development work in annual assessment work required.

"Mineral" is any substance—solid, fluid or gas—obtained by mining or digging under the surface, except water.

Discovery and appropriation are the sources of title to mining claims, and development, by working, as condition of continued ownership until a patent is obtained.

The Utah courts have decided that a mining company therein could condemn land over which to construct a pipe line to convey water to its mine.

Under the United States law but one timber claim and but one pre-emption or homestead right can be taken; the only limit to the number of mining claims located by one individual or company is the ability to do sufficient annual assessment work on or for each claim to hold them.

Where the locator of a mining claim on government land fraudulently antedates his location for the purpose of defeating an actual locator on same, such location is fraudulent as against the rightful claimant and also the claimant.

In California a mining claim location must be filed by the locator, in the office of the recorder of the county in which the claim is, within thirty days after the time allowed by law in which to do the annual work upon the mining claim shall have expired.

At any time prior to the issuance of a United States patent for a mining claim or piece of mining ground, protest may be filed against the patenting of the claim as applied for, upon any ground tending to show that the applicant has failed to comply with the law in a matter which would avoid the claim. Such protest can not, however, be made the means of preserving a surface conflict lost by failure to adverse or lost by a court judgment in an adverse suit. One holding a present joint interest in a mineral location included in an application for patent, who is excluded from the application, so that his interest would not be protected by the issue of patent thereon, may protest against the issuance of a patent as applied for setting forth in such protest the nature and extent of his interest in such location, and such a protestant will be deemed a party in interest entitled to appeal.—Scientific Press.

Oil in Arizona.

The Southern Pacific and Santa Fe railway companies are committed to a policy of extension of oil burning on the Arizona divisions. In New Mexico the Santa Fe is remarkably well situated for the economical use of coal, its line passing through the coal fields at Galluy, Cerrillos, and near the Colorado line at Trinidad. It seems probable that the Southern Pacific will soon be burning California oil as far east as El Paso, thence to New Orleans, using the eastern Texas oil. A 50,000-gallon oil tank is now being constructed in the yards of the company at Tucson.

The coal miners' strike in New Mexico has keyed up a number of the largest coal consumers in Arizona to about the point of changing off to oil. First to change will probably be the Phœnix Light and Fuel company, which has an annual coal bill approaching $20,000, and the street-railway company may follow suit.

A number of mining companies of Northern Arizona, accustomed heretofore to the use of Gallup coal, are altering their boilers for oil. A tank has been built at Prescott, especially for the Empire mine, with works on Groom Creek. Another similar tank has been built by the Octave Mining company at its railway station, in preparation for the sole use of oil as fuel. It is generally understood that the reported oil discoveries in Arizona do not amount to anything, except possibly around Safford.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20, 1900.

LINCOLN OIL COMPANY

Great Inducements Offered for A Few Days

Write to **J H. EDSON, Secretary and Manager** **Central Bank Building, Oakland Cal**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lie within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

The Lincoln has sold out it first block of 18,000 shares of stock at 25 cents, and is now selling a second block of 15,000 shares at 50 cents. This is going off rapidly, and when disposed of the company will offer no more stock at less than $1.00

The company will complete its first well very shortly, and when this is done the stock will advance very rapidly.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PARROTT BUILDING
S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

All stock raised to 50 cents January 15, 1901.

A Letter

The following letter will probably be of interest to the readers of this paper. Colonel L. P. Crane, the President of the California Petroleum Miners' Association, after making a thorough investigation of the affairs of the Standard Oil Promotion and Investment Company sent the following to the Oil Editor of the San Francisco Evening Post.

SAN FRANCISCO February 2, 1901.

EVENING POST—In reply to your request to make a thorough examination of the methods employed by the Standard Oil Promotion and Investment Company I beg to make the following report. I recently called upon the management of the company and stated the object of my visit. They willingly showed me their entire business, from its inception to that date, and I found nothing in their method of business which created the slightest suspicion in my mind. On the contrary, I left their office fully in the belief that it was a legitimate organization, doing business in a legitimate way, and worthy of public confidence. Very respectfully,

(Signed) L. P. CRANE.

Standard Oil Promotion and Investment Co.

INCORPORATED.

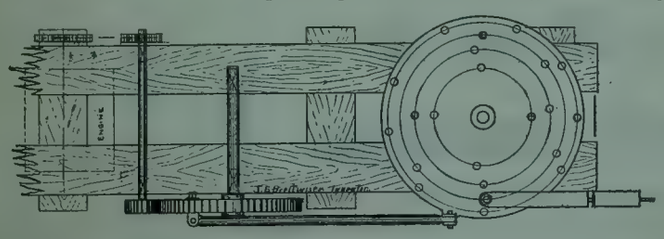
LICENSED BY UNITED STATES GOVERNMENT.

575-576-577 Parrott Building = = San Francisco, Cal.

Souvenir Views of California Oil Fields, Free upon request

A PUMPING POWER

That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



J. E. BREITWISRE, Inventor. RISDON IRON WORKS, Builders

CORPORATIONS FORMED.

Stocks Guaranteed. Mining Properties Handled.

The Pacific Coast Underwriting Company offer something new, strong and safe to corporations having stocks for sale: absolute protection given to investors and two and one-half per cent per annum, payable semi-annually, guaranteed. The following bonds are offered:

Class "A" bonds drawing 2½ per cent.

Class "B" bonds drawing 2 per cent.

Class "A" bonds maturing in 15 years.

Class "A" bonds maturing in 20 years.

Class "A" bonds maturing in 25 years.

Class "A" bonds maturing in 30 years.

Class "B" bonds maturing in 20 years.

Class "B" bonds maturing in 25 years.

Class "B" bonds maturing in 30 years.

Each bond bears a certified statement from the California Safe Deposit & Trust Company, to the effect that they have securities on deposit to protect the bond in full.

Corporations formed under the laws of any state or territory desired. Oil and mining properties handled.

We have nine offices in the United States, three in Canada and two in England.

Address all communications to main office 507-508 509 Parrott building, San Francisco.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

Work has ceased at the Gorrill well temporarily. A large amount of water is constantly in the hole.

Preparations are being made to sink four more oil wells in the western part of Colusa county. There is now only one well being drilled in the Sand Creek country. The new wells will be sunk in the Sulphur Creek territory. A. A. Gibson will drill two on his holdings and the Herron Oil company one on the H. Dunlap place and the other on the Tom Harlan ranch. A portion of the machinery for the four new wells is now in Williams and will be hauled to its destination as soon as the roads are passable. With the advent of spring there will be several new rigs installed in that section.

CONTRA COSTA.

The Grand Pacific are working hard on their well near Lafayette. The weather has delayed them considerably.

The Contra Costa County Oil company are down 720 feet. They have oil, but lost tools have temporarily delayed operations.

The Mt. Diablo have stored all the oil they could obtain tankage for, and are now putting down a string of smaller casing. They will soon be burning oil in their engine. Their stock has advanced materially.

FRESNO.

The Home Oil company has started No. 8 on its Oil City lease.

The Home Oil company will soon have an office in Coalinga.

Oil City Petroleum is finishing its No. 5 at Coalinga.

The Fauna Oil company is rigging up to begin No. 1.

The Ajax is 900 feet on No. 1 in section 32, 19-15.

The Great Western is progressing toward the sand in its No. 1.

On 35, 19-15, the Minnesota is down 1100 feet, making a good showing.

The El Capitan expects to begin spudding this week in the Coalinga field.

The Independence has just completed its No. 5, and is moving to begin No. 6.

The Commercial Petroleum Oil company will start up on its No. 1 near Oil City.

In the hill on section 28, 19-15, the Twenty-eight Oil company is in the sand in No. 4. It is a good well.

The Hanford Oil company has finished No. 1 and is moving to No. 2 in the Coalinga field.

The Carmelita Oil company is down over 600 feet on section 2, below the Minnesota.

The Confidence Oil company is finishing its No. 3 at Coalinga. The well is a satisfactory producer.

KINGS.

The report that Rudolph Spreckels had struck oil in the Devil's Den is denied at the office of that gentleman. The well is down 1000 feet, with good indications.

On Thursday of last week a gas explosion occurred in one of the boilers of the Devil's Den Development company, resulting in a tool dresser having his face badly burned.

The Safe Deposit Oil company will soon have its drill at work on its property in the Devil's Den country, and it is reported that the Acme Oil company is preparing to drill.

All five of the establishments belonging to the Kings County Creamery company are to be equipped with oil burners for their boilers. Oil has been tried and found to be very much of a success as fuel and not so expensive as oil and can be obtained at $1 per barrel.

The oil flowing from the tank into the tender of a Santa Fe engine at the Fresno roundhouse was heavily charged with inflammable gas, which ignited from the lantern carried by an oiler. The explosion was violent enough to blow him clear off the engine.

KERN.

Kern King is ready to begin operations.

The Cortez, on section 5, 29-28, will begin spudding Saturday.

The Kern River Mutual will begin work soon on section 4.

R. L. Peeler has leased eighty acres in 26, 32-23, Midway district.

The Electric company is moving a rig to its lease on 10, 29-28.

The Midway of Oregon is working through a shell.

Karl Brown on 23, 28-27 is pulling casing.

The U. S. Oil company, in Sunset, is down 460 feet.

The Bolena, 19, 29-28, is putting up a new rig.

On 30, 28-28, the Euclid is producing 300 to 400 barrels a day.

The Spring, 11, 29-28, will begin drilling in a few days.

Water has been struck instead of oil by the Bonita in the Sunset field.

A well will soon be drilled by the Osborne on the NW ¼ of 26, 28-28.

Globe No. 5, sec. 30, 28-28, is down 620 feet with 150 feet of oil sand.

The recent storm destroyed a number of derricks in the Kern River field.

The Vesuvius, located north of the Leon on 12, 11-24, has reached the oil sand.

The Transcontinental, 29, 28-28, is down 600 feet with nine and five-eighths casing.

Frank R. Salco has deeded to the Delano Oil company the SE ¼ section 7, 25-28.

The Devils Den Oil company has deeded to B. Ball et al a part of section 16, 25-18.

The Thirty-Three Oil company has recently constructed a large tank at Kern River.

The McKittrick company recently pulled its casing in well No. 2 and has the hole straightened out.

The Sanger Hanford Oil company is moving its rig from the Kettleman hills to the Sunset field.

On section 8 there is good showing of oil in the well of the Volcan Oil company. The drill is going deeper.

The Silver King, on section 17, 29-28, has the machinery on the ground and will begin drilling at an early date.

The drill in the well of the Transcontinental company on section 29, 28-28, is now in over 600 feet and still going down.

After going down 1600 feet, the Old

Dominion has given up its hole at McKittrick.

The Four Oil company hss leased the north half of the Alma Oil company's holdings on a fifty per cent royalty.

The Lone Star has the deepest hole in the Sunset district, 1350 feet, but no oil so far, and is still drilling.

The Junction property, it is said, could be sold for enough to net the stockholders a dollar a share. The stock is selling at 65 to 70 cents.

The Twenty has leased the ground at McKittrick where Sloan drilled a dry hole seventy feet from one of the big Dabney wells and will try again.

The Transfer company, 22, 32-23, is operating near the recent strike of the Bay City, and is now down 500 feet in yellow clay.

Late reports from the Commercial Travelers' plant credits that well No. 8 with a production of fifty barrels per day.

There is oil in the well of the Golden Rod on section 8, 29-28, and the prospect is that the well will prove a good one.

Work of perforating the casing in the well of the Edgar Oil company is now in progress. There is over 150 feet of oil sand in the hole.

H. F. Milliken et al have deeded to the Meridian Oil company the SE ¼ of section 14 and section 22, 32-25, and sections 14, 18, 20, 22-24, and N ¼ of 26 in 32-26.

Messrs. Simon and Graham have formed the Egyptian Queen company, which controls 11,000 acres of land in the Sunset, McKittrick and Temblor districts.

The Famoso Oil & Investment company has its well down 700 feet. They struck the oil sand last week at a depth of 450 feet, and are about 250 feet in the sand and are still drilling.

The California and Utah Oil company has contracted for two Standard rigs to be placed on their property in the McKittrick district where active operations will soon be under way.

The Lone Star, 32, 12-23, after a stop of two weeks has started drilling again. The delay was caused by the breaking down of the casing. The old casing has been drawn, and new casing has been put down.

The Grace Oil company, on section 8, 29-28, will sink the wells now being drilled to a depth of 1500 feet. Several other companies in the field are of the same opinion and are going down deeper. The Grace has two wells in the sand and in order that a good depth may be reached is still running down a larger sized casing.

LOS ANGELES.

The Fidelity Oil company is still at work deepening well No. 1.

Many new derricks are going up in the northwestern extension.

The well of the Yale Oil company, a corporation headed by Bartlett & Churchill is now in over 100 feet.

On Hoover street in the local field the Sierra Oil company has finished its well No. 18 and will soon have it on the pump.

It is reported that oil has been found at the intersection of Old Temple street and Bellevue avenue by the International.

The Alleghany Oil company has commenced to drill its first well on its property near Melrose and Vermont avenues,

The Pioneer Petroleum Oil company north of the Hecla on Wilshire Boulevard is reported to have struck a good body of oil at 400 feet.

The Home Oil company is down 840 feet with well No. 11. No. 9, at a depth of 1300 feet, has a good quantity of oil in the hole.

The Whittier Oil & Development company is down over 700 feet and is making good progress with the hole. At present the drill is on a hard shell.

The Whittier Consolidated company has a string of five and five-eighths down 1200 feet. A heaving sand makes slow drilling.

Near the corner of Temple and Western avenue, Lowe and Williams have just completed a ten-barrel well. The hole is 375 feet deep with from forty-five to fifty-five feet of oil sand.

The Hecla Oil company is a new concern to enter the local field and has secured ten acres on Rosedale avenue. The company is putting up its rig and will start the drill in a few days.

Near the Palms the New Mexico Oil company has a well drilled to a depth of 651 feet. Some traces of oil have been found there, but water stopped operations. The company has succeeded in casing off the water and drilling will be resumed.

In the northwest end the Hall & Eckles Oil company began spudding in on their property near the intersection of Western avenue and Melrose street. The company has fifteen lots in that territory, and will drill several wells if oil is found in the first attempt.

MONTEREY.

The Normal Oil company is now down about sixty feet.

The Monterey is down 600 feet with good prospects.

The Paraiso has purchased its lumber and derrick for immediate operations.

The San Ardo, which is now down about 1200 feet is reported to have entered the oil sand.

State Mineralogist Cooper and J. C. Quinn have been looking up lands in Monterey county.

The Arroyo Seco has bought its machinery and will soon commence active work.

The Great American company has started in to work, Mr. Williams being the head driller.

Two new companies are about to commence operations in Southern Monterey. They are the International and the Electric.

Well No. 1 of the Salinas Oil company is down 210 feet and is good for ten barrels of oil. Well No. 2 of the Salinas, which was started six feet from well No. 1 is down 140 feet and is using for fuel the oil from well No. 1.

NAPA.

The Zem Zem Oil & Development company held a business meeting in Monticello last Saturday night. Stockholders from outside counties and also from Napa, Calistoga and Knoxville were present.

The oil spring which was unearthed on the 340-foot level of the Knoxville mine about five months ago and which the company is utilizing as a lubricant, has been recently made to yield more oil by sinking the shaft sixty feet deeper.

ORANGE.

The new wells put on the pump by the Santa Fe, Graham & Loftus and Puente Oil companies brings the month's production up to the output in December.

The oil companies report the output of the past month about 51,000 barrels. Some of the pumping plants worked on short time on account of the scarcity of water the first of the month.

The Brea Canyon Oil company has completed its pipe line to the loading cranes on the switches at Fullerton Switch. The recent rains seem to have proved disastrous to the La Habra section of the old line.

The Olinda company has commenced drilling on its fourth well. Wells Nos. 1 and 2 of the same company have been

GUARANTEE UPON GUARANTEE

The Famoso is in Oil and Its Stock is Now Doubly Guaranteed

Guaranteed from the beginning by the Continental Building and Loan Association, the value of the stock of

The Famoso Oil and Investment Company

Is now established by the proven richness of its holdings in the Kern River District. We are not only in the CENTER OF OIL PRODUCTION IN CALIFORNIA, but our first well is the peer of anything in the vicinity. Our engagements require us to complete three more wells this summer, making

Four Wells in Six Months

That is the reason why we will sell Treasury Stock for a short time longer at the same price. WE MUST HAVE QUICK CASH FOR RAPID DEVELOPMENT. Energetic work now will put the company on a dividend paying basis this year.

Our Stock is a Bargain

AT THE OLD PRICE OF FIFTY CENTS A SHARE. It will advance soon without notice, and finally be wholly withdrawn from sale.

Call at our Office, or send for Prospectus and Information. Inquire about us from any reputable journal identified with the Oil Business.

OFFICERS :—John P. Albro, President; A. J. Munton, Vice-President; T. A. Sheppard, Secretary; S. D. Miner, General Manager.

Office: Room 393 Parrott Building, San Francisco

Branch Office, 1330 E Street, San Diego, Cal.

abandoned, while Nos. 3 and 4 are in a section of territory on the south side of Soquel canyon, hitherto untested.

SANTA BARBARA.

The Marine company is busy installing its heating and loading plant, after having enlarged and changed the tankage system.

The latest strike of the Duquesne company is the best ever made in the local field, the well yielding easily 100 barrels a day.

The Diamond Star completed its first well since the new company took possession of the property this week. It is good for seven or eight barrels.

The Santa Barbara company, in its first wharf well, this week struck a good body of sand in the first 100 feet. As it contains water the company will drill to the second stratum.

The Sunset, Oxnard and Sea Cliff companies are drilling on their wharves, and the owner of a number of rigs says that, in spite of prevailing market conditions, he could use several more if he had them.

The scheme to form an organization of the local producers has fallen through for the time being. The cause of the failure is the unwillingness of two or three companies to bind themselves to any agreement as to prices. It is likely that another effort will be made later, on different lines.

The largest deal in oil properties in Summerland for some time is reported this week. Seventeen wells are sold, including those of the Robinson, McCall and Eureka plants, together with the pumping machinery of the latter. The purchasers are San Francisco parties, who will hereafter run the property under the name of the United Oil company.

SAN BENITO.

The La Primera, located on 24, 17-11, commenced work this week.

Mr. Snider of San Francisco, has leased 1000 acres at Mulberry for oil purposes and agrees to begin work at once.

The Ashurst Oil Land Development company is down about 130 feet with their well on the Robert Ashurst place at Vallecitos.

The Hamiltonian Oil company, located on 24, 17-11 began drilling January 4. Charles Fredenberg, formerly of the Union Oil company, is head driller.

The Ashurst Oil, Land & Development company began drilling January 28 on 31, 16-11 on land purchased from Robert Ashurst. They are now down to a depth of 300 feet.

It is reported that before the first of July there will be something like twenty-two Standard oil rigs operating between San Benito and the upper end of Hernandez valley.

The Grant Oil company, composed of Messrs. Aigeltinger, Miller, Kapp, Carpenter, Mershon, and others has been organized to develop certain lands on the Topo, in San Benito county. Derricks have been ordered, and active operations will soon commence.

The San Benito County Oil company after waiting two or three days for casing, which, having arrived, has begun drilling. This company is now going down to the next oil sand. It is now thoroughly demonstrated that there is oil in this well and it is expected a good well will be developed.

SOLANO.

Arrangements are now being made by the Armijo company for drilling the first well and the contract will probably be let within a few days.

Another company of local residents has secured leases on lands near Suisun and as soon as their arrangements are completed they will begin operations with sufficient capital to carry on the work.

A company of Sacramento capitalists are negotiating for a lease of the lands of E. J. Okel in Gordon Valley. A Southern Pacific expert has examined the property and made a very favorable report thereon.

The late expert F. de Miranda gave a most favorable report on the lands of John Nightingale in Green Valley, and negotiations for the lease of the land have already been closed with a close corporation of San Francisco capitalists. Representatives of the company who were at the ranch Tuesday stated positively that they would have their rig on the ground within sixty days.

The directors of the Vacaville Oil company have considered the report of their expert and determined upon the location of the first well. Since the driller, John Ferguson, will be here Saturday and is expected to commence operations Monday, the curiosity of the location of the prospecting work will not long remain a mystery.

The lands visited by Mr. Ogden in Green Valley were pronounced by him to contain most excellent oil prospects. He gave good reports on several tracts visited. Upon one of these tracts it is quite likely that a company of San Francisco capitalists will soon begin operations. Negotiations for the lands are now pending with the parties referred to and will probably be closed within the next few days.

TULARE.

Tulare county is to be in the oil business at an early day. An oil drilling rig is being got in readiness to sink for oil in the southern part of the county.

VENTURA.

The Ojai Oil company has struck high grade petroleum in Lyon canyon. The strike is two miles from Nordhoff.

Within the past few weeks no less than fifteen companies have secured holdings near Santa Paula and all have entered the field with the intention of developing oil.

The Pure Oil company, on the Bishop tract, has put in a string of 225 feet of fourteen-inch drive pipe. The hole is down 350 feet and the prospects of a strike are very encouraging.

The Gravity Oil company has suspended work on its well in Temblor canyon in order to make a test farther up the hill. Drilling will begin at the new location as soon as the derrick is completed.

The oil shipments amounted to nearly 15,000 barrels last week. The Loomis took 6050 barrels Friday and about the same quantity on Tuesday. The Santa Paula loaded 7500 barrels on Saturday.

Frank Euch, who is prominenty connected with the Ferndale Oil company, has lately returned from Europe, and reports that arrangements have been made to commence work immediately in the first well of the Ferndale Oil company.

The Bard Oil company has commenced work on another well on Sulphur Mountain. We believe this company now has three strings of tools at work on its property—all in holes promising good results.

Fitch & Son, who bought an interest in the oil rights on a portion of the Ferndale Ranch, have commenced work on well No. 1. At last reports they had an eleven and five-eighths-inch hole down 250 feet a d everything was moving along right.

The Ojai Oil company, in Lyon canyon, seems to have demonstrated that it has a good proposition. No. 1, which was recently finished, is good for sixty barrels a day. The officers of the company made a visit to the property January 26 and decided to put two more strings of tools on the lease.

The Union Tool company is a new concern recently organized in Santa Paula to carry on the work of making, handling, repairing and mending tools, oil well apparatus, boilers, engines, and in fact everything used in or about oil wells.

F. H. Prather has just completed an oil well for the Bardsdale Crude Oil company on the Brookhout claim that yields six to eight barrels per day. As the well is only 660 feet the product is fairly satisfactory. Mr. Prather has contracted to sink ten more wells on the same tract.

AN AGGRESSIVE BODY.

The California Petroleum Miners' Association Doing Good Work.

At the regular meeting of the directors of the California Petroleum Miners' Association held yesterday at their rooms in the Mills' building active measures were taken to secure a proper exhibit of California oil at the Buffalo exposition. All companies, members of the association should send samples of their oil to the rooms of the association, and companies desiring to be represented at the association's exhibit should apply for membership immediately.

The association heartily approved of the enterprise known as the Kern County Producers' Association, which now has a tankage of 600,000 barrels in Kern county, and which in the last month has accomplished so much in the interests of its members.

IN THE EAST.

Oil Market Quiet—Falling Off For February.

Reports from the producing fields in the East during the past week have been of a discouraging character, as very few wells have been brought in showing much above the average production, while the large majority have been small pnmpers, and there has also been a larger proportion of dry holes than before, and although the price of the product has been advanced, operators in the fields are somewhat discouraged and are not inclined to make extraordinary efforts to increase the production, especially in view of the fact that weather conditions are now unfavorable and are likely to continue so for two months. The excitement in Texas continues, and wells are being drilled in various sections, while promoters are busy organizing producing companies, and there appears to be no difficulty in floating these concerns if only they have a lease of territory within a dozen miles or so of a producing well, for it appears to be the belief that wells may be tapped at will in that vast state. As the oil in Texas is of an entirely different grade and will not come into competion with Northern oil, operators in the older fields regard with equanimity reports from Texas of the enormous deposits believed to exist there. The field report for January showed but little change from that for December, but as the results of operations during the past week have been so unsatisfactory it is believed the report for the current month will show a large decrease in completed work and in new production. The statistical situation is gaining in strength and still higher prices for the product are confidently expected.

Surface indications are generating the oil and gas fever in the vicinity of Rosalie and Pine City, Washington.

The Hercules Refining company started up its works. Two stills are now in place and four more will be added as soon as they arrive.

Since the offering of rewards for evidence to convict the offenders there has been an abatement in the pastime of shooting into oil tanks in the Corsicana, Texas, oil field.

OIL LANDS.

1,000 acres, title United States Patent, Devil's Den District; $27,500; 320 acres. San Benito county, near Wells, only $15 acre; 40 acres, Kern River District, $32,000; 320 acres, McKittrick District, $27.50 acre; snap in Sunset. E. B. HUNSAKER, 6 Eddy street, San Francisco.

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Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, February 20:

ÆTNA.

400 at	34	136 00
200 at	35	70 00

BLUE GOOSE.

10 at	2 00	20 00
50 at	3 00	150 00

BEAR FLAG.

50 at	45	22 50
100 at	42	42 00

CARIBOU.

500 at	75	375 00

CALIFORNIA STANDARD.

1500 at	39	585 00
3300 at	38	1254 00

EL ORO.

350 at	80	280 00

EL DORADO.

100 at	2 05	205 00
100 at	2 00	200 00
100 at	1 95	195 00

FOUR OIL CO.

500(S90)at	59	295 00
300 at	58	174 00
3200 at	59	1888 00

GOLD DOLLAR.

400 at	41	164 00
200 at	40	80 00
2500 at	42	1050 00
400 at	43	172 00
200 at	45	90 00

HANFORD-FRESNO-KERN RIVER.

200 at	25	50 00
1000 at	22	220 00
100 at	23	23 00

HOMESTAKE.

50 at	9 00	450 00

HANFORD.

8 at	116 00	928 00
4 (B10)at	115 00	450 00
2 at	115 00	230 00
5 at	113 00	565 00
10 at	112 00	1120 00

HOME OIL.

50 at	4 30	215 00
100 (S30) at	4 40	440 00
100 at	4 35	435 00
950 at	4 40	4180 00
25 at	4 25	106 25

INDEPENDENCE.

400 at	18	72 00
3525 at	17	599 25

JUNCTION.

100 at	70	70 00
1000 at	72	720 00
100 at	71	71 00
100 at	62	62 00
500 at	61	305 00
300(B30) at	64	192 00
100(S90) at	59	59 00
100 at	64	64 00
100 (B 60) at	70	70 00
300 at	68	204 00
100(B 30) at	72	72 00
600 at	67	402 00
1400 at	65	910 00
300 at	66	198 00
200 at	75	150 00

KERN OIL CO.

10 at	11 12½	111 25
50 at	10 75	537 50
340 at	11 00	3740 00
270 at	10 87½	2036 25

KERN RIVER.

55 at	18 00	990 00

LINDA VISTA.

100 at	23	23 00
500 at	25	125 00

LION OIL CO.

500(S90) at	20	100 00
500(S90)at	21	105 00
1000 at	21	210 00
25 at	24	6 00
100 at	23	23 00
1000(Cash)at	22	220 00
2000 at	22	440 00

McKITTRICK CONSOLIDATED.

1900 at	20	380 00
380 at	15	57 00

MONARCH OF ARIZONA.

500 at	73	365 00
1000(B60)at	75	750 00
100 at	71	71 00
3800 at	70	2660 00
500(B60)at	70	350 00
500 at	68	340 00
100 at	67	67 00

MONTE CRISTO.

500 at	2 45	1025 00
100 at	2 47½	247 50
2050 at	2 50	5125 00

OCCIDENTAL OF W. VA.

1100 at	71	781 00
900 at	70	630 00
200 at	69	138 00
200 at	68	136 00

OIL CITY PET.

3 at	36 00	108 00
15 at	35 50	532 50
3000 at	32	960 00

PEERLESS.

5 at	8 00	40 00
25 at	8 87½	221 87½
50 at	8 62½	431 25
55 at	8 25	453 75
25 at	8 75	218 75
75 at	8 50	637 50
75 at	8 37½	628 12½

PETROLEUM CENTER.

1000(S30) at	17	170 00
2700 at	21	567 00
1000(B30) at	22	220 00
3000 Cash at	20	600 00
2000(B30) at	21	420 00
4000(S30) at	18	720 00
7500 at	20	1500 00
3140 at	19	596 60
13438 at	18	2418 84
1500Cash at	17	255 00
5645 at	17	595 65

REED CRUDE.

300 at	64	192 00
200 at	63	126 00

SENATOR.

500 at	2 00	1000 00

SAN JOAQUIN O. & D. CO.

190 at	12 00	2280 00
150 at	12 12½	1818 75
100 at	12 50	1250 00
50 at	12 25	612 50
50 at	12 37½	618 75

STERLING.

100 at	3 20	320 00
200 at	3 15	630 00
100 at	3 10	310 00
100 at	3 25	325 00
200(B60)at	3 25	650 00

SUPERIOR

3800 at	30	1140 00

TWENTY-EIGHT

1000 at	2 10	2100 00
100 at	2 15	215 00
100 at	2 17½	217 50

WEST SHORE

100 at	4 50	450 00
900 at	1 60	1440 00
1100 at	1 50	1650 00

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On January 25th, in prospecting an oil seepage on Mr. Gibson's land northwest of Arbuckle, Colusa county, an oil geyser was uncovered which filled a 1500 gallon tank in 30 minutes, and continued to flow. All the available tankage was filled and the oil ran to waste down the creek until a dam was constructed. This is the most remarkable strike made in California, and clearly indicates that this section will produce gushers. Experts estimate the commercial value of the oil to be four or five times greater than the Kern county oil.

The Colusa Consolidated Oil and Refining Company

at the request of many who are desirous of securing some holdings, have decided to place on sale a limited number of shares at the low price of

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New Incorporations.

Madera [illegible] Oil company. Principal place of business, Madera. Directors: A C Vandever, P I Vandever, G E Ripperdan of Borden, F H [illegible] to W W W Hunter, W C Reid and R L Hargrave of Madera. Capital stock $1,000,000; subscribed $[illegible].

Petroleum King Oil company. Principal place of business, San Francisco. Directors: C B Currier, F R Bryant, G Martin, H C Phillips and G H Coty of San Francisco. Capital stock $500,000; subscribed $[illegible].

Osborne Oil company. Principal place of business, Bakersfield. Directors: I W Strond, G A Damton, J R Osborne of Bakersfield, J D Wagner and F H Tucker of Selma. Capital stock, $200,000; subscribed $50,000.

North Star Oil company. Principal place of business, Summerland. Directors: I C Lillis, J E Stone of Summerland, J C Hassenger, J M Williamson and C W Robinson of Santa Barbara. Capital stock $20,000; fully subscribed.

The Travelers Oil company. Principal place of business, Bakersfield. Directors: R F Galloway, A S Waterman of Bakersfield, D M Morris of Chicago, Ill., M Brooks and W Carkel of San Francisco. Capital stock, $500,000; subscribed, $50.

Tehama Oil company. Principal place of business, Corning. Directors: F W Hunter, F S Peck of Corning, F Freeman of Williams, G S Strait, R M Richardson, A G Stoll and A M Seymour of Sacramento. Capital stock, $200,000; subscribed, $7.

Hanford-Sanger Oil company. Principal place of business, Hanford. Directors: D R Evanger of Sanger, J F Roach of Kingsbury, W B Charles, B L Barney and W W Parlin of Hanford. Capital stock, $300,000; subscribed, $25.

Vernon Oil company. Principal place of business, Oakland. Directors; J Mitchell, E L Dow, F S Osgood, W D Huntington and B C Hawes of Oakland. Capital stock, $500,000; subscribed, $100.

Sierra Madre Oil & Dev. Co. Principal place of business, San Francisco. Directors, J H Doolittle H Hermanson, W J Newman, S B Goldburg and S Bibo of San Francisco. Capital stock, $250,000; subscribed, $25.

Spring Oil company. Principal place of business, San Francisco. Directors: A A Eckstrom of Los Angeles, H M Orr of Alameda, G Walcome, W Page, H C Tilden, A F Coffin of San Francisco and C Kroeger of Oakland. Capital stock, $300,000; subscribed, $35.

Seventeen Oil company. Principal place of business, Oakland. Directors: E P Vandercook, R W Church of Oakland, J H Spring, A D Wilson of Fruitvale and L Titus of Berkeley. Capital stock, $250,000; subscribed, $250.

Beaumont Oil company. Principal place of business, Santa Barbara. Directors: E W Hayward, W D Robinson, C S Bond, J A Guttery, H A G McPhail, J V Taggard of Santa Barbara and F E Kellogg of Goleta. Capital stock, $100,000; subscribed, $12.

Naught Five Oil company. Principal place of business, Los Angeles. Directors: L J Christopher, W J Stevens, L H Mitchell, H S Sparks and A Levy of Los Angeles. Capital stock, $200,000; subscribed, $33,835.

Bald Eagle Jr. Oil company. Principal place of business, Napa. Directors: E H Winship, E D Beard, D L Beard and R Benjamin of Napa. Capital stock, $175,000; subscribed, $50.

Los Angeles Oil and Refining company. Principal place of business, Los Angeles. Directors: T B Wilkinson, J Rebman, G A Crandall, C W Houstan, W P Wilkinson of Los Angeles and B F Mackal of Sacramento. Capital stock, $300,000; subscribed, $200,000.

Ruby Oil company. Principal place of business, San Francisco. Directors; W A Kenny, M Taylor, C. Taylor, C J Evads and C H Lovell of San Francisco. Capital stock, $200,000; subscribed, $25.

The Napa Monarch Oil and Development company. Principal place of business, Napa. Directors: H L Goodman, D A Dunlap, J A Imrey, C B Arnold, T A Bell, G F Gardner of Napa, C W Armstrong of Calistoga, J G Johnson of St. Helena and R E Bevan of Marysville. Capital stock, $500,000; subscribed, $75.

1901 Oil company. Principal place of business, San Francisco. Directors: C E Green, W C Van Fleet, F W Van Sicken, C E Hayes and W M Rank of San Francisco. Capital stock, $1,000,000; subscribed, $500.

Homestead Oil and Transportation company. Principal place of business, Fresno. Directors: R J Powers, J M Massie of Oakland, T H Warrington, W J Hamilton, J M Kerr, D J Stevens of Fresno and A Kenny of San Francisco. Capital stock, $100,000; subscribed, $35.

The Kaweak Oil company. Principal place of business, Visalia. Directors: B M Maddox, C G Lamberson, W H Hammond, M E Power, C G Wilcox, J Cutler and J A Hannah of Visalia. Capital stock, $1,000,000; subscribed, $175,000.

Grapevine Coal and Oil company. Principal place of business, Willows. Directors, H C Stanton, B F Geis, C W Wickees, C E Harlan and A W Schom of Willows. Capital stock, $500,000; subscribed, $222,000.

St. John Development company. Principal place of business, Willows. Directors: C E Harlan, C R Wicks, A Hochheimer, A W Schom and F. McNortan of Willows. Capital stock, $500,000; subscribed, $246,000.

Twenty-Four Oil company. Principal place of business, Palo Alto. Directors: J F Parkinson, G Laumeister of Palo Alto; W Palmtag of Hollister, W A Brace of San Francisco, and C L Conner of Bakersfield. Capital stock, $500,000; subscribed, $400.

STANDARD AT KERN RIVER.

Reports of the Company's Operations in this Field.

Some disappointment has been caused by the failure of the Producers' Association to get more producers into it. A Herald correspondent is authority for the statement that only about half of the production of the field is guaranteed to the association as yet. If the concern had got to doing business sooner it might have developed into a powerful organization. Now it finds itself bidding against the Standard Oil company for oil, and what that means many men know, or think they know. It is asserted that the Standard has offered as high as 65 cents a barrel for oil, which is a considerable advance over what oil has been selling for generally. If this is true, of course the Standard will get all the oil it wants. It is ready to take the oil it wants. It is ready to take the oil as soon as it is on top of the ground, and to pay for it as soon as the owner calls for his money, which is a powerful inducement to producers to sell to the Standard. At all events the Standard proposes to do business here, and with its capital, experience and organization, it is likely to succeed.

The Standard, by the way, is several thousand dollars loser on account of the recent rains. About fifteen miles of seven and five-eighths-inch pipe line, which had been laid to several parts of the river field, was almost literally washed away. It was broken in dozens of places, and scattered about in most disagreeable fashion. The open ends of the pipe allowed the sand and water to get in and some of the joints are jammed full of sand. Almost the entire work of laying the lines, in some places, will have to be done over again, but it will be done.

So the marketing problem is fairly well solved, and oil men are beginning to whisper about that probably the presence of the Standard Oil company in Kern county is not such a terrible thing after all. Their medicine, if they are doomed to take it, will come later.

Talk about the railroads putting the thumb-screws on the producers, is beginning to be heard, and a prominent operator here said today that there might be some truth in it. The double capacity tank cars, which were to have been provided, have not yet made their appearance, and the scarcity of tank cars is more marked than ever. The manager of one of the big companies called at the Southern Pacific office one day last week and asked for cars. He was told that there were orders in that day for 150 tank cars, and there was not a single car in the yards. It is said that there were on that same day 130 empty tank cars lying in the Los Angeles railroad yards.

The producers in Kern county are protesting against this sort of business, and have revived talk of building a railroad of their own to Port Harford, which they say can be done for $1,000,000.

NEW EXCHANGE OPENS.

Business Begins on the New Board Wednesday.

On Wednesday the San Francisco Oil Exchange was formally opened in the old Pacific Stock Exchange Building on Montgomery street. The morning session was opened at 10 A. M. by President Geberding in a brief address, in which he reviewed the rapid growth of the oil industry in this state, and stated that this business was one of great importance, and rapidly approximating in extent the gold mining which has been such a great source of wealth to California. He then introduced the caller, Mr. O. V. Walker, who called off the following list of stocks which are on the Exchange:

STOCKS LISTED.

American Fuel, Bear Flag, Black Jack, Blue Goose, Buckhorn, Burlington, California Oil and Gas, California Standard, Caribou, Central Point Con., Century, Confidence Oil Co., Continental, El Dorado, Four Oil Co., Hanford, Hanford-Fresno-Kern River, Home Oil, Homestake, Independence, Junction, Kern Oil Co., Kern Canyon Oil Co., Kern River, Lion Oil Co., Los Angeles Oil & T. Co., Linda Vista, McKittrick, McKittrick Con., Monarch of Arizona, Monte Cristo, Mt. Diablo Oil M. & D. Co., Occidental of W. Va., Oil City Petroleum, Peerless, Petroleum Center, Pittsburg, Reed Crude Oil Co., Rex, S. F. & McKittrick, San Joaquin Oil & D. Co., Senator, Shamrock, Sterling Oil & D. Co., Sunset (Original), Superior, The Red Bank Oil Co., Twenty-Eight, West Lake, West Shore, Wolverine, Yukon.

Of the fifty-two companies on the above list, all except the Confidence, Kern Canyon, Mt. Diablo Oil M. & Dev., and the Red Bank are included in the fifty-seven stocks listed on the Producers' Exchange. The latter organization has adopted a rule in accordance with the regulations of the New York Stock Exchange, prohibiting its members from selling their stock on the floor of any other organization.

It was rumored that lively bidding for oil stocks might be expected and that prices would be raised. The rumor proved false as the first day's business was small, and the same prices prevailed as those of the Producers' Oil Exchange in the Mills building.

PROFITS FROM OIL.

Showing Made in a Los Angeles Law Suit.

A legal complication has arisen in Los Angeles as the result of the suit of Miss Isom, an Eastern lady, who recently secured judgment against Dr. Book, the trustee, secretary and manager of the Rex Oil company, the predecessor in interest of the Rex Crude Oil company. Miss Isom proved to the satisfaction of the court that she was induced by misrepresentation to lease a lot in Los Angeles to Dr. Book for $100 a year, the purpose of the lease being stated to be the erection of a tenement upon the property. A derrick was put up instead of a tenement and the property worked for oil. Dr. Book conveyed this property with the other holdings of the Rex Oil company including sixty-four producing oil wells in Los Angeles, five pumping plants, with the leases of the property and the derricks, tanks and other machinery necessary for operation, to the Rex Crude Oil company, and gave a guarantee of the validity of the leases. In the case of the Isom lot he agreed to forfeit $2,000 if the lease proved invalid.

Miss Isom also secured from the Rex Crude Oil company damages to the amount of $4000 and possession of the property, the damages being for oil taken from her lot since December 20, 1899. The lease was cancelled on the ground that it was obtained by fraud. It ran for three years, with an option of five years more. The income from the lot is estimated at $250 a month, or $3000 a year. As the lease had seven years and four months to run, the Rex Crude are out $22,000 in prospective profits, and consequently have brought suit against Dr. Book for this amount and the guarantee, making a total of $24,415.25.

Kern River Car Famine.

A shortage of oil cars is causing considerable trouble to producers in the Kern River field. A representative of one of the largest operators said that his company is unable to fill half its orders because of the car famine, and that as the pumps were going the same as usual much oil is being accumulated. It was his opinion that the famine would not affect the price of oil, as there is a growing demand for the product, but unless an outlet is soon made many pumping plants will be forced to shut down for lack of tankage.

Drilling in Sumatra.

The oil is pumped from the well into a large hole near by and from there pumped into a large tank at the refinery. The benzine, lubricating oils and other distillates is all burned up as there is no market for it there and steamers refuse to transport it. All that is saved is the kerosene or coal oil which is only of 48 gravity. The wells are drilled by the German system called the "water flush." An ordinary American rig is used with the exception of a "jerk line" instead of a "walking beam." The "augur stem" is hollow and only weighs about 500 pounds, the American augur stem weighing something like 2,300 pounds. Pipe is employed instead of cable. Water forced through this pipe to the bottom of the hole and upon the outside of the tools. This washes all sediments up out of the hole. The formation is mostly all white clay. A hard stone one meter (thirty-nine and three-eighths inches) thick was drilled through in two days. The boilers, engines and in fact everything is carried in by Chinese. Beasts of burden are not known. These coolies get one Singapore dollar (49 cents), a pair of pants valued at 15 cents and a straw hat each mouth. They are also allowed one pound of rice each day—the poorest of that. Five joints of eight-inch casing for this well arrived on the shoulders of sixty-six coolies.

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FROM LOS ANGELES.

Lively Business in Oil Stocks At the Southern Metropolis.

Oil stocks are still active in the Southern market and the Los Angeles Stock Exchange has been repeating its record of former heavy sales. Over 43,000 shares of oil stock were exchanged on the board in a single day's transaction. Thirty thousand two hundred was the record for last Saturday. As many as 37,400 shares were sold at a single session during the past week.

Reed Crude has again become a favorite among traders. This stock and that of the Pacific Slope Oil company's, which has just been listed on the exchange, furnished the bulk of trading during the recent busy days. The largest sale of Reed Crude for any one day was 17,000 shares which changed hands at 70 cents; 19,000 shares of Pacific Slope was sold in one day, the price rising from 7 cents to 7¼ cents. Westlake has suffered another slight decline, and is now bought and sold at from 20½ to 21½ cents. Continental is a trifle weaker than heretofore, the average price being from $1.00 to $1.05 with 96 cents bid, and little or no trading. Globe has receded from two to three points, being now offered at 30 cents, 29 cents bid. United Petroleum has advanced a trifle, the last sales being at $110 and present asking price being $112. Whittier Consolidated remains weak at 8 cents with 7 cents bid. Yukon is offered at 65 cents with 50 cents bid. Central has perhaps showed the most appreciable advance, rising from $1.16 to $1.25. Speculators are still guessing what will be the effect of the distribution of the 340 shares of Reed Crude among stockholders at 50 cents per share. Good premiums were offered for an option on the unissued stock. The indications are that the price will probably remain firm above 65 cents. Fullerton consolidated has advanced nearly ten points and is now quoted at 65 cents.

The exchange has recently listed several companies operating in the Kern River field, among them being Senator, Central Point Consolidated, Kern Oil, Sau Joaquin and Monte Cristo. As yet little trading has been done in these securities.

Bank stocks as usual remain inactive and very little trading is done in mining securities, although the outlook for future business in this direction is favorable.

Work at Bolinas.

The Sherman well near Bolinas is now down 300 feet and the Bolinas Bay Oil company has reached a depth of over 600 feet. The Bolinas people have had some trouble with caving and will pull the casing and underream before proceeding. It is thought that the shale formation now being drilled through is the cap of the oil sand strata, but whether the latter will be found at 800, 900, or 1000 feet is to be determined. Mr. Ogden and O. A. Austin of Stockton have visited the field recently. It is reported on good authority that part of the Hamilton ranch, four miles from Bolinas has been leased to San Francisco capitalists who are preparing for active prospecting for oil. This property includes Bear Valley and the Country Club game preserves.

Santa Barbara Strike.

Reports have been received confirming the strike made by the Western Union Oil company on the Cienega ranch in Santa Barbara county. The oil is found at a depth of 2000 feet, and the drill has not yet penetrated the real oil sand, which is supposed to be a few feet beneath, and drilling is being continued. Bailing is taking out twenty-five barrels a day, but the oil has risen in the hole 300 feet, and if it continues the well may be put to pumping before it is drilled deeper. The oil is about 25 gravity.

Work at Tehachapi.

The operators in the Tehachap district are just now handicapped by about twelve feet of snow. The Summit Oil company, on 12, 32-24, under the management of F. E. Gladden, is still at it, however, and is making progress, notwithstanding the snow.

The American Oil company is rigging up and will probably start the drill in a few days. Other holders of property in this district propose to pool issues and have combined under the name of the Kern Development syndicate, and will test their territory jointly, on the plan adopted by the Kramer Consolidated Oil company in San Bernardino county.

Crude Oil for Scale.

Sixty peach-growers of Catawba island, Ohio, have formed a combination to fight the San Jose scale, which has been destroying peach orchards in that country. The association will spray the trees with crude oil exclusively, it having been demonstrated that this remedy is more effective in the destruction of the pest than anything else. Two carloads of oil have been purchased for the purpose and will be used early in the spring.

Report Confirmed.

The English syndicate, which is reported to have secured an option on the whole of section 33, 28-28, for $5,000,000, with a forfeit of $100,000 deposited as a guarantee of good faith, has a representative at Bakersfield in the person of E. A. Butters, who is inspecting the property. Mr. Butters is a brother of Charles Butters, who invented a process of reducing refractory ores in use in South Africa and Mercur, Utah.

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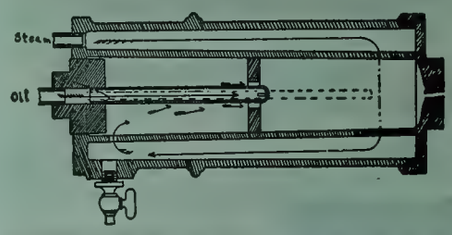

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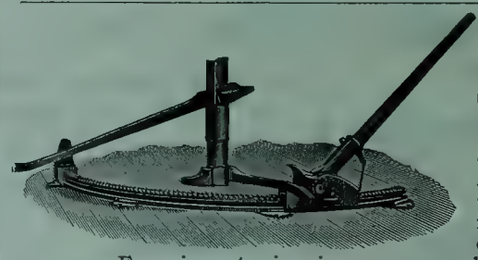

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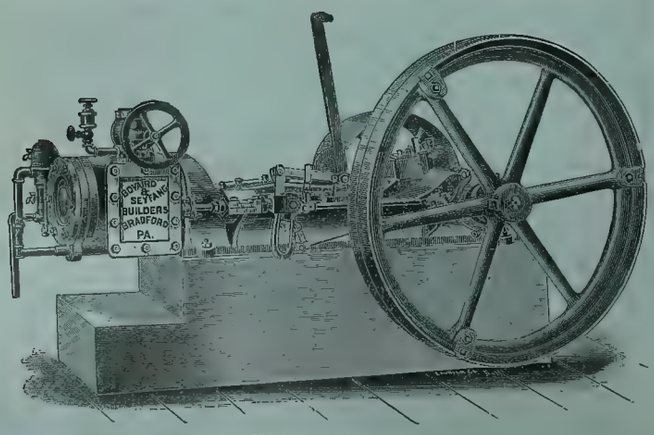

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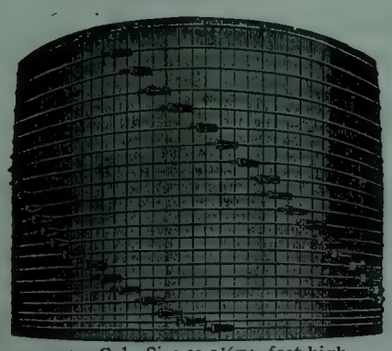

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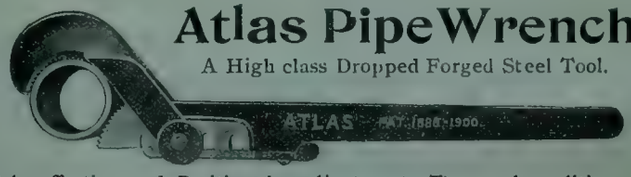

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Capital $500,000
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Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal

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Capital $1,5000.00
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Capital $600,000
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Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
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Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
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Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
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M. C. Nunan, President. M. L. Culver, Sec. Daniel Meyer, Trs.

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Great American

AND **Inter Nos**

OIL AND DEVELOPMENT CO.

Great American 30c per share

Inter Nos 25c per share

We want good live agents in every up-to-date town in the United States.

MOSTELLER & ALLEN, Gen'l Agts.

565-566 Parrott Bldg. San Francisco

HERCULES OIL CO
Capital $100,000.—100,000 shares at $1.00
Location SW¼ of section 4, township 23 S, R 16 E, Fresno county in the Kreyenhagen District.
Directors—Rudolph Mohr, Jno. F. Seymour, Fred P. Flagemann, Leo Pockwitz, Adolph Loesbach
Office—39 Flood Bldg

INDEPENDENCE OIL CO.
Capital $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office, Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital $600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 10.6 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital ..... $200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

MADERA CRUDE OIL CO
Capital $100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, we st, S B B and M, Sunset district.
Officers and Directors: W C; Tighe, president; Joe Bancroft, vice-president J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office: Masonic Temple Building. Madera, Cal.

MONTEREY OIL DEVELOPMENT CO.
Capital $1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 428 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amanni, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

OCEANSIDE OIL COMPANY OF ARIZONA.
Capital $375,000
275,000 shares at $100 each.
Location; 1070 acres 4 miles SE of Oceanside San Diego county, Cal.; 280 acres in the Newhall district.
Officers and Directors; F Irwin Herron, president; D H Eldred, vice-president; S L Graham, treasurer; R E Small, Honorable Ben Goodrich J Hamilton Thurston, J W Lincoln, J B Batz Thomas Hughes, Douglas Garden, J A Tulip.
Office—203 Henne block, 122 West Third street, Los Angeles, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

PETROLEUM CENTER OIL CO
Capital $500,000
500.000 shares at $1.00
Incorporated, October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-Pesident, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland,
Office—Room 29, Third floor, Mills building, San Francisco

PCINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer, I W Taber, President Taber Photo Co, Secretary, Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telepheno, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street, San Francisco, Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E, first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett, attorney, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 11 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg, 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY.
Capital $500,000
500,000 shares, at $1 00 each.
Incorporated, July 31, 1900.
Land, 290 acres, in Sunset and Kettleman Districts.
Officers and directors—Ambrose Harris, secretary; Tyree A Bell, superintendent, John L Greer San Rafael, W B Taylor, San Rafael, D C Campbell, Los Angeles, A H Brod, Paul Redfield Lewis, L Barrere, San Francisco, H L Gear Frank N Stone, attorneys, Germania Trust Company, treasurer,
Offices 611 612 613 Hearst Bldg, San Francisco

SURETY OIL COMPANY

Capital ..... $[illegible]

600,000 shares par value $1; on each [illegible]

Location, 240 acres in sections [illegible] and 2, T 3 N R 16 W, S B M, Los Angeles County Calif Newhall district

Officers and Directors M Eisenmann President Geo Greely King Vice President T H Pearne Secretary D A Thieme, M [illegible] White

Farmers and Merchants Banks depositary

Office, 102 Henne Block, Los Angeles Calif

SALINAS OIL AND DEVELOPMENT COMPANY Incorporated [illegible] Capital, $1,000,000 Number of shares [illegible] Land, 2000 acres in Monterey county Officers and Directors—President Wm S M Carthy San Francisco vice-president J J Quinn Independence treasurer, Wm N McCarthy secretary J B Owen, San Francisco, superintendent Jno C Quinn C A Burchsen, J E Baker S A Dunn W J Ellis and S S Simson attorney, Hon Eugene F Bert, San Francisco Office—Rooms 479-484 Parrott Building, San Francisco

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SUPERIOR OIL COMPANY

Capital stock, 500,000 shares, par value $1 each 5,000 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time

Officers and Directors—R S Aston president, W Dixon, vice-president, J W Crosland secretary and treasurer, Wm M Landess, W W Kells and W G Wallace Attorney, C C Cowgill Office, No 17 Galtes block Bakersfield Cal

---

THE RAVENOIL COMPANY,

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each Locations 162 50 100 acres in south half of south half of south half, section 6, 28-20, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch Bank of Bakersfield treasurer

San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

THREE STATES OIL CO Limited.

Capital.....$1,000,000

1,000,000 shares at $1.

Location: 240 acres in McKittrick and Sunset Districts, Kern county.

Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Oon E P Colgan, I N Puttison, M F Levy

Office—612 Examiner Building.

U. S. OIL AND MINING CO.

Capital.....$300,000.

Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO,

Capital.....$500,000

100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone—Main 671

XLNT OIL COMPANY.

Capital stock.....$500,000

500,000 shares, par value, $1 per share.

Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M

Office--- 552 Parrott building, San rancisco, Cal

YUKON CRUDE OIL CO.

Capital.....$250,000

100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.

Office 638 Market street, San Francisco

NOTICE OF ASSESSMENT.

CONTRA COSTA OIL & PETROLEUM COMPANY. Location of principal place of business, San Francisco, California. Location of works, Contra Costa County, California.

Notice is hereby given that at a meeting of the Board of Directors, held on the 21st day of January, 1901, an assessment [No. 1] of one [1] cent per share was levied upon the Capital Stock of the Corporation, payable immediately in United States gold coin, to the Secretary, at the office of the Company, Room 312, Examiner [Hearst] Building, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 23rd day of February, 1901, will be delinquent, and advertised for sale at public auction; and unless payment is made before, will be sold on TUESDAY, the 12th day of March, 1901, to pay the delinquent assessment, together with the cost of advertising and expenses of sale.

By order of the Board of Directors.

FRANK McGOWAN, Secretary.

Office, Examiner [Hearst] Building, Room 312, San Francisco, California.

Party who has half a carload of casing for Bakersfield desires to find some one who will use rest of car. Call at 209, Hearst Building

American Tool Works

JOSEPH EASTWOOD, Proprietor.

Oil Well Drilling and Fishing Tools

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Stationary and Portable Boilers, Steam Engines,

Iron Tanks, Rig Iron Outfits, Drilling and Fishing Tools

And everything needed to drill and operate

Oil, Gas & Artesian Wells

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Drilling : Rigs

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WELL SUPPLIES

Of Every Description

——Manufactured by the——

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Patent Redwood **OIL TANKS**

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Stocks in several of the strongest companies in the Sunset field offer the best opportunities for small investors

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I have limited options on both of these stocks at such low figures that purchasers can make large returns. Buy now.

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Analytical Chemist

Special attention given to the analysis of Oils, and to the tests o Gypsum, Kaolin Clay and other minerals held by the Land Department as sufficient to maintain placer mineral locations.

Quick and accurate returns at moderate prices.

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Original owner of Oil Lands in

KERN
MONTEREY and
SANTA BARBAARA
Counties.

Forty to one hundred acres of free and given for development.

Address 479-480 Parrott Building
San Francisco.

OilLands Experted.

NON-ASSESSABLE STOCK

California & Utah Oil Company

Incorporated under the laws of the State of South Dakota. Capital $1,500,000; par value $1.00 per share.

CALIFORNIA OFFICE **ADAMS BUILDING, 206 KEARNY ST.**

ROOMS 413 AND 414, SAN FRANCISCO, CAL. TELEPHONE MAIN 846.

E. V. BUCKOW, President. R. D. HEALEY, Vice-President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository.

——— The lands are located as follows: ———

Great McKittrick	160 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	160 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

Drilling on Section 10, Township 30 S, Range 21 E, McKittrick District, to be commenced early in March. This property is adjacent to the largest producers in the State.

The first block of stock is now selling rapidly at 25 cents per share. The second block of stock to the amount of 100,000 shares will soon be on sale at 50 cents per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non - Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages:

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts, as follows: Sunset and McKittrick District, Kern County; Coalinga District, Fresno County; Kettleman District, Kings County, and Contra Costa County.

SECOND—Stock is absolutely Non-Assessable.

THIRD—Large Capitalization by which successful development in absolutely assured.

12,000 Shares Sold in One Day.

One hundred thousand shares sold in less than three months. Second 100,000 shares now selling rapidly at $1.00 per share; when sold 3rd 100,000 shares will be placed on the market at $2.50 per share

The officers of the company are all well-known business and professional men. A. G. Deardorff, President; J. M. Merrell, Vice-President; John Choice, Secretary; Wells-Fargo Bank, Depository; F. A. Berlin, Attorney; Franklin Person, Superintendent Agencies. Directors: J. M. Merrell, E. H. Baxter, J. A. Miller, John Choice, J. C. Sala, F. A. Berlin, R. L. Rigdon, A. G. Deardorff.

Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

CALIFORNIA STATE

This Paper not to be taken from

Endorsed by the California Petroleum Mineral Association.

VOLUME 2 NUMBER 17

PACIFIC OIL REPORTER

SAN FRANCISCO. CAL.. FRIDAY. MARCH 1. 1901.

R.H. HERRON CO.
DEALERS IN
Oil Well Supplies
Largest House on the Pacific Coast.
THE LATEST IMPROVED MACHINERY AND TOOLS. READING CASING AND TUBING.
SAN FRANCISCO. LOS ANGELES
BAKERSFIELD. HANFORD
AND COALINGA.

Going to Bakersfield To Bore for Oil

ON THE EXCURSION BY THE SOUTHERN PACIFIC

SATURDAY, MARCH 9, 1901

In a Special Train of Pullman Sleeping Cars

Round Trip.. $10. Berth in Sleeper Extra

All day Sunday in the Oil Fields. Grand chance to see the famous oil developments at Oil City, McKittrick and vicinity. Train will leave San Francisco about 5 P. M. Return Monday morning following.

Casmalia Ranch Oil and Development Co.

Incorporated under the laws of California
Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California, Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

The Road to Wealth

Headquarters School and Government Lands.

Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick, Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

WISEMAN'S LAND BUREAU

237 W 1st street
Los Angeles, California.

400,000 Shares of Oil Stock

Telephone Main 809.

Member Producer's Oil Exchange.

W. E. MILES

OIL SHARE BROKER.

425 California street,

SAN FRANCISCO, - - CAL

2,000 MORE SHARES OF Sovereign Stock at 75 Cents Each

THREE DRILLING RIGS AT WORK

Location of land and management are two essential points to be considered before investing in oil stocks—both are factors in measuring profits. Progressiveness in management is necessary for quick returns. The Sovereign Oil Company was incorporated on October 15th last TO DRILL FOR OIL. It now has two completed wells (capacity 300 barrels) and well No. 3 is down 400 feet. Rigs are being moved from wells No. 1 and 2 to derricks 4 and 5, and wells No. 4 and 5 will soon be under way. Orders will be received for 2000 shares of development stock in order of receipt. Prospectus and Maps if you wish them.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

UNDER DIRECT MANAGEMENT OF H. H. BLOOD AND WILLIAM ELLERY.

PACIFIC OIL REPORTER

VOL. 2. NO. 16. SAN FRANCISCO, CAL., FRIDAY, MARCH 1, 1901. PRICE, TEN CENS

THE STRIKE IN MIDWAY.

Record of the Bay City—First Successful Well in the New Field.

In the rolling hills between the known and proved ground of the McKittrick and Sunset districts is a stretch of territory extending along the lower foothills of the Coast Range for a distance of twenty-five miles, which lies partly in Kern and partly in San Luis Obispo counties, and from the circumstances of its location has become known as the Midway district. The exploitation of this ground has been entered upon with some misgivings by a few bold prospectors, who believed that the presence of two neighboring districts of similar structure indicated the presence of a continuous field. Geologists say that along the road between the two districts the few exposed strata are of the Middle Neocene, similar to that of the productive wells of the McKittrick district, and the white sides of the higher foothills show the white shales of the Lower Neocene, like those found in Sunset. The pioneer in prospecting in this section is the Pacific Consolidated, a Fresno company, operating on section 2, township 31 south, range 21 east, M. D. M. about fifteen miles from McKittrick. This company, which attracted much attention some months ago on account of a reported strike, is now down 1200 feet, and has only slight indications of the presence of oil.

The Bay City, of which E. N. Sewell of this city is secretary, is attracting the most attention in this district. The company's holdings include 1900 acres, and their No. 1, in which the strike was made, is located in the NE¼ of section 22, township 32 south, range 23 east, M. D. M. The work of drilling began July last, and by August 14 the drill had dropped through eighteen feet of surface earth and alternating strata of small gravel, shale and sandstone to a depth of fifty-seven feet. This was followed by hard gray shales, soft shale, light gray, six feet of blue clay to eighty feet. Then twenty feet of dark blue clay which caved slightly and at 100 feet were found two feet of shale and dry oil sand on August 22.

The next week the drill went through alternating strata of dark blue clay and sandstone averaging about one foot in thickness, broken at 174 feet by a shell of hard sandstone two feet in thickness, and another at 213 feet. Below this last was coarse blue gravelly clay, with alternating strata of sandstone and shale broken by a shell at 250 feet which was reached September 6, and followed by alternating strata of light blue clay, shale and sandstone.

The log continues:

Sept. 8.—Continuation of light blue clay and sandstone 300-324 feet.

Sept 20.—Alternating strata dark blue clay, shale and sandstone, 324-344, with one foot of blue sandstone.

September 21—Light cream colored very hard sandstone (dynamite used) 345-352. Dark blue clay (bad caving) to 364 feet.

Oct. 20.—Dark colored flint conglomerate to 373 feet.

Oct. 27—Light blue sandstone with thin strata of white sand. (Bad caving) to 388 feet.

Scene of the Recent Strike in the Midway District, about Half-way Between McKittrick and Sunset.—The Bay City Property, where the Discovery of Oil Proved a New Field.

The 400-foot point was reached Nov. 13. Just before this the drill entered alternate strata of sandstone and dry sand which continued to cave badly. Up to this point the well had been put down without any casing, and the 11⅝ hole had not been cased at all, as the walls stood sufficiently well without it; but it was now found necessary to put in a string of 9⅝. At 418 feet there was a thin stratum of oil sand—the "first sand," which showed positively the presence of oil. This was not enough, and the drill continued through sandstone with thin strata of dry sand and shale. The next sand was at 501 feet, where the bailer brought to the surface fine gravel containing gas. There were fourteen feet of oil in the hole at this point, and the noise of the bubbling gas could be heard for some distance from the well.

At 514 feet there were two feet of oil sand followed by loose boulders and a stratum of light blue clay. These were repeated at 527 feet, but the oil sand was unproductive. The second productive sand was found at 550 feet, about four feet in thickness, running into blue clay, and the third sand, ten feet in thickness and very troublesome on account of heaving, was struck at 571 feet.

If the well had been finished at this point it is believed it would have turned out a twenty-five-barrel well. It was decided to proceed, and after going through a cap of talc twenty feet thick the mudscow dropped into sand full of gas and rich in oil at 602 feet.

There were 250 feet of water in the hole, put there for the purpose of keeping down the heaving sand, as the formation is naturally perfectly dry and water for drilling has to be hauled eight miles. The gas pressure forced the sand up 200 feet in the hole, which is now cased with seven and five-eighths, bringing the water closer to the top, where seventy-five feet of oil forces its way through the sand and accumulates every morning. Twenty-five barrels were taken out a few days ago. The oil from the first sand is heavy and black, about 17° gravity, and has the same characteristic odor as the McKittrick oil. A sample can be seen at the REPORTER office.

The crew are now actively engaged in bailing the sand from the well, and expect to reach the fourth sand again by Monday, when they will go through to a landing and perforate. The company is now buying tankage to handle the oil. The hard, cream-colored sandstone already mentioned as found at about 350 feet gave the driller much trouble. It was pitched at an apparent angle of about 45 degrees, and as the drill entered it the greater hardness on one side caused the tool to deflect, making a crooked hole. After repeatedly trying to straighten it with the drill, the workman put in several charges of giant powder, which shattered the shell and left a gaping hole.

The success of the Bay City has inspired several other neighboring companies to renewed exertions. The Midway of Oregon has about 2000 acres and twelve derricks in this section. One of its drilling wells, located on section 4, 32-23, adjoining the Bay City, is now down 500 feet. The company also has a string of tools running on section 5, which is just ready to begin work. From the top of their derrick a hundred derricks may be counted scattered through the hills in various directions. Two companies with machinery on the ground ready to drill are the Inter Nos, on the SW¼ of the SW¼, section 9, 32-23, and the San Francisco Oil & Petroleum company on the NE¼ of 27, 32-23. Chanslor & Canfield also have considerable interests in the southern part of the field.

A NEW FIELD LOOMS.

Geology and Promise of a Big Santa Barbara Anticline.

Santa Barbara county may soon add a rich new oil field to its developed petroleum resources, now confined to the Summerland field, if many wells, a recent strike and the opinions of State Mineralogist A. S. Cooper may be given liberal prophetic credit.

The possible new field contains an anticlinal running for thirty miles from the neighborhood of the Alcatraz Asphalt company's asphalt mines in the Sisquoc region, northwest of the center of the county, westward to the neighborhood of Point Sal on the northern coast of the county. It passes a little north of Los Alamos within a few miles of which place several wells are being drilled. On the Casmalia rancho near the coast three wells are going down and, in fact, drilling wells are sparsely strung along the south side of the the whole anticline.

The only actual strike of oil in valuable quantities has been a recent one in the Carriaga well about six miles west of Los Alamos, and three miles south of the apex of the anticlinal. Here at nearly 1900 feet a fifteen-barrel yield has been struck—a pretty good well as it is.

This region has long been familiar, geologically and otherwise to Mr. Cooper who has much faith in it. To a representative of the PACIFIC OIL REPORTER he said the other day:

"The surface indications are profuse along the whole length of the anticlinal. There are immense surface deposits of bituminized sands. That worked by the Alcatraz company contains 20,000,000 tons. Just south of this the unworked Bishop property holds 50,000,000 tons. On Mount Pinal, half way to the coast, there are 400,000,000 tons in sight. Near the coast are several asphalt mines. The anticlinal for practically the whole length is covered by a blanket deposit of bituminized sands. This bitumen is the residue after the evaporation of almost incredible quantities of petroleum.

"There are numerous seepages, sulphur springs yielding gas; there are burnt shales in many places and leached shales along the entire length of the anticlinal.

"The surface bituminized sands, however, are only indirect indications of profitable quantities of oil. The oil has escaped from these first or upper sands which will not afford productive wells. The promise of this field is in a second sand, which lies 2000 feet below the first one and which remains to be prospected. The existence of this deep second sand is revealed in but two places. On the Sisquoc river on the north side of the anticlinal erosion has shown it in one place. On the southern side are intrusions of bituminized sandstone forced upward by enormous pressure through fissures in overlying shales. This is positive proof that a bituminized sandstone stratum lies below.

"If this second sand is as persistent as the first one it can be reached along the anticlinal. That it is bituminized is shown by the slight revelations noted and is made nearly certain by the fact that in California if one sand is bituminized it is practically certain that all sands below it are also bituminized, though a stratum above may not be. I consider it highly probable that this second sand contains an immense amount of petroleum which has been securely confined within it, and that sooner or later valuable wells will be developed along this anticlinal somewhere."

Mr. Cooper here gives his reasons for his opinions as he always does in such cases. His information is interesting as another illustration of the possibilities and probabilities of the vast areas of unproved ground in the oil-bearing portions of California, which will, without doubt, multiply in time, the oil product of the state. They are now gophering the southern flank of this long anticlinal—hunting the entombed sandstone stratum that peeps out in but two places, and on general principles the field seems a promising one. A narrow gauge railroad from San Luis Obispo crosses the region and runs through Los Alamos to Los Olivos, while the Southern Pacific coast line passes it by the ocean. A thirty-mile pipe line, carrying asphalt in solution, runs from the Alcatraz mine to the coast.

CAN'T BUY SECTION 6.

Experience of Eastern Promoters in Kern County.

An Eastern oil man, H. G. James, tells of his impressions of the Kern River field in the Bradford, Penn., Star. He says the first well in the Kern River or Bakersfield district was dug along the bank of the Kern river. Oil has been found oozing out of the earth near the edge of the water and as a test a shaft was sunk about sixty feet and considerable oil was found. Going back a quarter of a mile from the river a well was drilled and the Kern River oil field was opened. Operations spread rapidly. That was a little over a year ago. To-day there are about five hundred wells in Kern county and the production amounts to many thousands of barrels. Those who owned the land have reaped a rich harvest, though in some cases the land was sold for less in the first transactions than it afterwards brought. There is one fellow, however, whom I have long since put down as lacking good horse sense. He is a Portuguese named John Enos. Enos is about forty years of age and a bachelor. He lives on a small ranch about nine miles from Bakersfield and is worth $90,000 in cold cash. When the oil excitement broke out he owned oll of section 6, and he owns it yet. And thereby hangs a tale. This land is in the very heart of the oil field, and there are a half dozen millionoires who would give half a kingdom to get it. They have tried schemes of all descriptions to induce Enos to sell, but with no avail. Enos is obdurate. He will not listen; he will not talk. Some of the experienced persuasors have been sent to Bakersfield to exercise their powers upon the "old man," as he is known, but of no use. The promoter, leaser and speculator has made Enos's life a burden to him; he does not come up town any more; or if he does, he sneaks around by back streets and alleys. He seems to be suspicious that some one is trying to steal his land, and he refuses absolutely to negotiate. He gives no excuse for his strange conduct. If he were a politician he would be classed as a diplomat of the first school. The former consul to the Transvaal could not more adroitly evade questions than he. A gentleman who has had wide experience dealing with men told me the other day that he had never seen a man so hard to approach or fathom. "Why," said he, "I offered him $320,000 for his land and it never phased him. He didn't even reply to me. I asked him to come with me to the bank and see if my check was not good for the amount. He only looked me in the face, and great beads of perspiration came on my forehead as I pleaded. I pictured him a prince back in his native land, with a castle and a yacht and all the luxury of a king. But it didn't touch him."

It's the same story that a dozen others have told. Enos knows he has the land, and he probably thinks if he got the money some one would steal it from him. The fellow who comes along and succeeds in prevailing upon the Portuguese to sell will make a small fortune in commissions. I have been thinking of taking a toss at him myself. I would if I were a hypnotist.

The bulk of everything in Kern county is owned by the Kern County Land Company, an organization made up of three or four rich New Yorkers. The concern is immensely wealthy. They own thousands of acres of land in the county, but strange to say, they are practically out of the oil belt When oil was first discovered the company sent east and employed an "oil expert" who came out here and remained several months investigating. Finally, he reported that there was oil here, but it never would be developed in any paying qualities. He gave the industry a black eye, and the company gave no further heed to the rapid developments. Now they are trying to get in. It was the stranger who came and built up the business, while the native looked on and ridiculed.

In many respects the Kern River field is remarkable. It covers thousands of acres and the field is as yet in no way defined. The wells are far apart and there is enough defined territory yet undrilled to keep business active for several years. Dry holes are unknown. The sand is anywhere from 300 to 400 feet thick; it is loose and does not need to be "shot." The oil is thick, like tar or asphaltum, and is of about sixteen gravity, though in many parts of the district the gravity varies greatly. The product is essentially a fuel oil, but just at present a fair quality of lubricant is being made from it. Yesterday I examined some of it. It was of a bluish color, but burned brightly in a lamp and did not smoke. It throws off a terrific heat. It reduced about 55 per cent and flashes at 200, so the refiner told me. There is no danger of it exploding. I tried to ignite a quantity of it, and much to my amusement it put the match out. The refiner was enthusiastic and was willing to compare his product with anything in the market.

Dr. Chauncey B. Foward, of Cleveland, the well-known refiner, has made a thorough test of the Kern River oil and says it will ultimately revolutionize the asphaltum business. He says it far surpasses the asphaltum of Trinidad and that the Trinidad people will have to look to their laurels or they will lose them. The possibilities of asphaltum are unlimited; so are the possibilities of the California oil fields. Millions of dollars have already been made. Millions more will be. There is no question about it. The fellow will make the money who knows how to handle the business and has the nerve to stay by it. In my opinion, it is the fellow who goes in advance and opens new fields who is going to make the most. Some, of course, will lose, but the possibilities of California are not yet commenced to be realized. Dr. Foward also speaks well of the product as an illuminating oil, as does Samuel C. Irving, a refiner of Oakland. Two big refineries are soon to be built here. In one of them it is already impossible to secure any stock. Milton McWhortor, a local refiner, says the Kern oil has just as much illuminating power and indures 25 per cent more than almost any other oil.—H. G. James in Bradford (Penn.) Star.

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Oil in Washington.

There is no longer any doubt that there is natural gas in the northern part of Whitman county says an exchange, and the question as to whether it exists in paying quantities is soon to be solved by sinking a number of wells. Three corporations have been organized and have ordered drills and complete outfits of machinery, and will begin sinking wells before the first of February. Governor John R. Rogers is president of one of the companies, the Washington Exploration company, which is capitalized at $150,000, there being 1,500,000 shares of a par value of ten cents each. This company will operate on the Wilson Moreland farm of sixty acres, lying on Pine creek, six miles west of Rosalia.

Dr. Newman and Mr. Green have spent most of two weeks in the vicinity of Rosalia, and have prospected the county thoroughly, accompanied by an expert in oil and gas indications, and they pronounce the country from Rosalia east to Latah, in Spokane county, and from Latah running southwest to the vicinity of Thornton, to be filled with gas and with strong surface indications of oil in many places. Their report is considered very encouraging and has done much to inspire confidence in the district.

A. J. Hanauer, of Spokane, has leased 55,000 acres of land lying west of Rosalia and has ordered a drill from the East, and will sink his first well on the Reisland land, three miles from Rosalia.

Mr. Hauauer has not organized a company yet, but in his contract with land-owners agrees to sink one or more wells before a company is organized, and if oil or gas is found in paying quantities a stock company is to be organized and the land owners are to have fifty shares of stock for each acre leased. Mr. Hanauer expects to begin operations in two or three weeks.

The Spokane Natural Gas, Oil & Coal company is the first corporation organized for the purpose of exploring the gas fields in the vicinity of Rosalia. This company has leased 12,000 acres of land on Pine and Rock creeks and Rock lake, and will begin developing the property in a few days, a complete outfit of machinery being expected in a few days. The company will sink its first well on the farm of Henry Jones, the "Hole in the Ground" at the head of Rock lake, where it is hoped to strike gas or oil at a depth not exceeding 600 feet. On the higher ground it is expected a depth of from 1000 to 1200 feet will be reached before oil or gas is found.

J. R. Woodley, of Spokane, has leased a tract of land lying both north and south of Rosalia, and has organized a company composed of Spokane and Ohio capitalists, and has ordered machinery and will sink a well on the farm of M. H. West, adjoining the north. Excellent indications of oil have been found on this land, while large quantities of gas have been found, and the tests made show it to be of excellent quality for both heat and lighting purposes. There are two or three other companies in the field.

Nearly every town and locality in the county is trying to inaugurate a gas or oil boom. Garfield comes to the front with the latest discoveries, which are, in reality, old discoveries, but people are just now beginning to believe they have oil and gas. For several years the well on the farm of J. W. Cox, two miles from Garfield, has yielded an oily substance which made the water unfit for use and at times the cattle and other live stock would not drink it. This is now believed to be crude petroleum. This well is 300 feet deep and was drilled a number of years ago. Near Mr. Cox's farm is the farm of L. C. Love, where a well 2880 feet deep was drilled some time ago. The water in this well strongly impregnated with gas and when water is drawn or pumped from it the water is found to be full of what the people supposed was air, but which is now believed to be gas.

Is Refining Possible?

H. C. Breeden of the Standard Oil company, in a recent interview condemns emphatically the idea that California oil can be refined for illuminating purposes. As the Standard is the only concern that markets California refined oil, and has the only refinery of any size except that of the Union Oil company, his opinion should have more weight than that of Eastern "experts" who know nothing of asphalt oils. He says:

"It is perhaps not generally known that there has not been a single sample of oil found in California that can be refined for illuminating purposes. The oil is of a very coarse nature, but is excellent for fuel, lubricating and distillant purposes. It is also of great value in making asphalt, and should the supply hold out or increase, which I have no doubt it will, having been so informed by our experts, it will be of great importance in forming the highways of this state.

"At present the one refinery we own in Alameda is sufficient for all our purposes. It would be impossible with any process now known to pipe the oil from the oil fields in Southern California to a refinery anywhere on the bay because of the nature of the oil. Nowhere has it yet been practicable to run this kind of oil through pipes, and there is nothing to be gained by inaugurating a pipe line on this coast.

"We have no intention whatever of starting a manufactory for the purpose of making soap and the many other things of that sort now manufactured from crude petroleum. In no part of the country have we ever undertaken to manufacture anything of the kind. So far as I know there is no intention to go outside the regular lines of business. It is not impossible that a superior kind of oil may be found in this state that will permit of refining for illumination, and if this is ever true, we shall undoubtedly go into the refining business to a greater extent than heretofore. There is doubtless a great future for the oil industry on this coast, and I may say that we are keeping ourselves well posted in all that transpires in this respect. We have some interests here, but not nearly such extensive ones as some people try to make it appear. Of course the oil being so coarse, we do not care to handle any more of it than we can find a ready market for. But, as I said before, we shall probably prepare to handle any amount of the right kind of oil should it be found."

As against this it may be said that W. S. Miller, the Pacific Coast agent of the Standard Oil company, in a recent interview with the PACIFIC OIL REPORTER, says:

"It is not right to state that California oil cannot be refined. It can be refined, but the product is not satisfactory on account of the expense attending the process. We can make just as good an illuminating oil as can be made in the East, but it takes too many barrels of the crude oil to make one barrel of the refined product. The expense is too great. Some process will no doubt in time be discovered which will enable us to refine California oil as cheaply as Eastern oil, but until that process is discovered the refining of a first class oil from the California crude article will be very unsatisfactory."

In the same vein speaks Col. M M. Ogden, the field expert of the Producers' Oil Exchange. He says:

"California illuminating oil will in time be refined from the crude oil with just as satisfactory results as are obtained in the East. Up to the present time no process has been used that enables the California refiner to compete with the Eastern refiner, on account of the greater amount of the crude oil necessary to make one barrel of oil, and also on account of the difficulty found in perfectly refining the crude oil. But a new process has been invented which, I am sure, will be found satisfactory, and which will make the California refiner to produce an illuminating oil as cheaply and as satisfactorily as the Eastern producer."

Extra Tax on Oil and Gas.

Delegate Laughlin of Ohio county, introduced a bill in the West Virginia legislature the 17th ult., providing for a tax of one cent a barrel and one-half cent per thousand feet on all and gas produced in the state. Referring to the bill a Charleston dispatch says:

"The measure was prepared by State Treasurer Kepdall, who appeared before the finance committee in its support, and a great effort will be made to pass it. The state is going to need a lot more revenue to meet the appropriations that will be asked, and it is a popular idea to make somebody outside the state put it up."

The Petroleum Gazette suggests that in the event of the passage of such a measure it should include some such provision as this:

"It is further enacted that the state of West Virginia shall pay a rebate of —— per cent on all outside capital drawn to the state for investment in relation to the oil and gas industries, including such investment as represents only loss to the investor but gain to the state—that is to say, the millions of dollars in the aggregate which go to the account of dusters, of heavy expenditures for taking care of pools much greater in promise than fulfillment, of unproductive bonuses, rentals, material and labor."

The promotors of special legislation, with the oil and gas industries for its subjects, are quite apt to overlook the phase of the matter to which an enactment would apply like the one above suggested.

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Text of the Stewart Bill

The struggle which the Petroleum Mining Bill has had to encounter and its probable extinction in committee has made the necessity of some measure very apparent, and another measure has been proposed to meet the pressing emergency.

The bill, as amended, was reported by Senator Stewart. It consists of only two sections, the first providing that no person shall locate a mining claim as agent or attorney for another, and requiring that development work shall be done within one year of location and prior to Oct. 1st, each year.

Section 2 covers oil locations, and is in full as follows;

"That any citizen of the United States may in the manner hereinafter set forth purchase from the United States not exceeding 160 acres of its unclaimed vacant public lands which are believed to contain petroleum or oils in valuable quantities, but upon which no petroleum or other oils have been discovered, at $2.50 per acre. When any of such lands are believed to contain such valuable quantities of oil any such person may make and file his written application with the Register and Receiver of the United States Land Office for the district in which said lands are located, to purchase the same for the oil believed to be therein, which application shall defin tely describe the lands desired to be purchased, and such person shall at the time of making and filing such application make or file therewith his affidavit stating that he has personally carefully examined the lands applied for, and from such examination he believes the same to be chiefly valuable for petroleum or other oils; that he desires to purchase the same on account of the oil believed by him to be contained therein, and that he does not own, or has not within one year last past owned, any lands acquired by him from the United States believed by him to contain such oils in the county in which the lands applied for are located, which, together therewith will exceed 160 acres in all, and said affidavit shall be a part of said application. Such application and affidavit operate to reserve the land covered thereby for six months from filing thereof, during which time the applicant shall have preference right, as against all others, of purchasing such property but upon his failure to pay therefor during such six months, all of his rights in the premises shall cease, and he shall not have the right to purchase such property thereafter under any subsequent application. Applications to purchase hereunder shall conform to the legal subdivisions but the length of the claim shall not be more than twice its width or shall not be less than ten acres when for surveyed lands, and when for unsurveyed lands, shall, as to the specification, identification and description thereof, conform to the requirements of sections 2322, 2323, 2324, 2325, Revised Statutes of the United States. All gold, silver, copper and lead that may be contained in lands acquired under this section shall be reserved to the United States."

Senator Kearns is among those who do not believe the last sentence should be included in the bill. He holds that a grantee of land from the United States is entitled to everything in the land, regardless of its value.

Oil Miners' Rights

Senator Stewart as representative of the mining interests and author of recent Federal legislation on the subject of mining, is by senatorial courtesy given the preference in the introduction of new mining bills. The bill introduced by him is intended to remedy the conditions which are so injuriously affecting the oil men of California a report accompanying the bill states that:

"In California a few persons have attempted to locate hundreds of thousands of acres of petroleum or oil lands under the placer mining laws, and petroleum discoveries have only been made or attempted upon a very small percentage of these claims. We find that the existing placer mining laws which the courts and General Land Office hold to require an actual discovery of mineral or petroleum as the very basis of a placer mining location, are not adapted to the acquisition of petroleum lands, owing to the fact that petroleum, unlike placer gold, is rarely found upon or near the surface, and can only be discovered by expensive drilling operations.

"Hence these laws do not apply or give rights to a prospector prior to the actual discovery of oil during the time necessarily consumed in drilling discovery wells. As the claimant acquires no right by mere attempted location prior to an actual discovery of mineral or oil, his claim is subject to exploration by any rival claimant, and the first to discover mineral or oil will acquire a better title, regardless of priority of attempted locations. When the lands in question are returned as agricultural, they are, notwithstanding their undiscovered or supposed m neral character, in law non-mineral prior to the discovery of mineral or oil, and although in the possession of a mineral claimant, they are vacant and open to settlement and subject to acquisition under any general or special land laws, entries under which operate as immediate purchases from the Government. Under this head come military bounty land warrants, Sioux half-breed, Porterfield and other scrip forest lieu lands selections, etc.

"The rights of parties acquiring title under these laws depend upon the known character of the land at the time of the entry or selection under such laws. Such lands are open to entry under the homestead law and the homesteader may, by injunction, prevent mining explorations, even while his title is inchoate, prior to the making of final proof. If, however, mineral or oil is discovered prior to final proof, showing the lands to be more valuable for mineral or oil than for agricultural purposes, it will defeat the homestead title, although no discoveries made after final proof affect the homesteader's right.

"The placer mining laws are not applicable to lands supposed or believed to contain petroleum, but upon which no discoveries have been made. An opportunity should be given to purchase from the Government such lands in limited quantities to those who make affidavit that the same is believed to be valuable for petroleum."

Our Oil at Buffalo.

Mr. David T. Day, the well known scientist and geologist connected with the Smithsonian Institute of Washington, D. C., is expected here within the next week or ten days. Mr. Day has been connected with the Smithsonian for the past twelve years and has recently had charge of the mineral exhibits made by that institution in various localities. He is in California in connection with the exhibition of minerals and mineral oils ot the Pan-American Exposition at Buffalo. The display of California oils will be exhibited in connection with the minerals which attracted so much attention at the Paris Exposition.

A popular representation at a great exposition like that of Buffalo cannot fail to be of great value in interesting capital in the California oil fields, and it is capital which is much needed. The natural growth of the industry is far too slow to develop the vast fields which are already proven, and to take advantage of the great opportunity afforded by the present scarcity and high price of coal to get oil introduced instead of coal for fuel. It is difficult for even an experienced operator to realize the possibilities of fields like Kern River or the West Side when they have been developed to the extent of the Los Angeles city field, and this development will take years of time and millions of money.

Already Eastern and English capital is finding its way to the California fields, and recently sales like that of the Imperial and Thirty-three at Kern River and the California Oil & Gas company at Coalinga are reported well up in the millions.

If oil men continue to get the necessary money to develop the California fields they must take an active interest in getting this exhibit up in a way that will show visitors that there IS oil in California, that it is GOOD oil, that there is PLENTY of it, and that there is MONEY in it.

The California Petroleum Miners' Association has taken the matter up, and while there is in every trade an element which sits back and waits for others to do the work while they reap the benefit, the oil industry has enough public spirited men to give the Association active and energetic support in its campaign of publicity and promotion.

Work Delayed by Heavy Rains

Much impatience has been manifested of late, especially by small stockholders, on account of the lack of progress made during the last six weeks in almost every oil district in the state. Rig after rig has been idle and the drilling crews have been compelled to cease operations almost entirely.

The reason is that the unusually heavy rains of the last few weeks have put the roads in a state of impassibility. No hauling could be done. A four-horse team could hardly pull a light wagon much less a heavy load through the mud and adobe. There was no lumber for the derricks. If the derricks were up there was no boiler or machinery. If the machinery was ready and at work there was no casing. At least two hundred companies have been more or less tied up for from one to two months by the weather, and California oil developments have been retarded that long. Undoubtedly much territory will be proven during March that would have been proven during February had it not been for the unusual rains. However, the state generally has been enriched, and oil men ultimately will be greatly benefitted.

South of the Kern River.

Within the last two months much attention has been directed to the comparatively new territory lying south of Kern River and comprised chiefly in the boundaries of township 29, range 28 south.

This is the township and range in which the city of Bakersfield is located, and the territory included in it bids fair to be one of the most valuable portions of the Kern River district.

The new discoveries of oil seem to point to the fact that the oil territory of the district extends south and west, and is rapidly approaching the city of Bakersfield, the value of the proven territory increasing as it approaches the city and nears the main line of the railroad and the great system of canals that make an easy solution to the question of water supply.

A few weeks ago land south of the river could be had for a song. It is now selling at prices that are rising as rapidly as did those of the land north of the river.

Enough oil has been found to demonstrate its existence in the new territory, and it will be obtained in large quantities, but at a somewhat greater depth than in the territory north of the river.

The accessibility of the new territory makes it particularly desirable.

A Continuous Field.

The recent strike of the Bay City in the Mid-way is interesting in more ways than one. In the first place it shows that the Sunset and McKittrick fields are practically part of one long belt extending through the entire west side of the San Joaquin valley, and that the locators of this property they reasoned logically when sent out a surveying party to run a straight line from McKittrick to the Sunset wells and located their first well on this line. The claim of one Duvall in the Bakersfield Californian that the San Joaquin Valley was a continuous blanket fold of oil sand, and which by the way is nothing new, as it has been published long ago in the OIL REPORTER and made a special feature of our Christmas edition, seems to be substantiated by this discovery.

New Method of Refining Crude Oil.

Mr. Frederick Berg's method of refining petroleum consists of:—First, a treatment of crude petroleum with alkali at a relatively high temperature maintaining the solution at such temperature for several hours, and agitating the mixture at intervals during that time. The separation of the foreign matter from the alkali precipitated or deposited during the said treatment with alkali then takes place, and the product still containing the alkali is left to stand for several days at a moderate temperature to permit the alkali to continue its work of destruction of the decomposed sulphurous matter and of the impurities still remaining in the petroleum. After the second distillation, the oil actually produced during this period is submitted to a slight treatment with sulphuric acid; the object of this latter being to remove the water still remaining in the oil. The product now received is a refined oil, extremely pure and odorless, and which possesses superior illuminating qualities and costs much less than the illuminating oils received by the existing processes.—Pet. Ind. and Technical Review.

Kansas City Oil Exchange.

The demand for California oil stocks in the East has brought about the formation of an oil exchange in Kansas City, appears in the following letter to the Oil Era:

KANSAS CITY, MO., Feb. 14, 1901.

To the Editor of the Oil Era, Los Angeles, Cal.:

Dear Sir: The following-named brokers have been appointed a committee to organize and incorporate "The Kansas City Bond & Stock Exchange," J. M. Graybill, D. C. Martin, W. J. Nelson, Joseph A. Corby, T. H. Riddle, and G. Frederick Munns, Jr., for the purpose of: To handle stocks and bonds, bank and other local stocks, municipal bonds, and all classes of securities, including oil and mining stocks, especially oil stocks, and have daily telegraphic quotations from the Colorado Springs and Salt Lake City mining exchanges, and the San Francisco and Los Angeles oil exchanges.

The clearest proof of the volume of business transacted here is that Kansas City now occupies ninth place among the cities in bank clearings.

The demand for California oil stocks is increasing every day in this section of the country; therefore, I am sure that this letter will interest all those that are interested in the oil fields of California. I am, sir, your most obedient servant.

G. FREDERICK MUNNS, JR.

THE DABNEY.

Its Valuable Holdings in McKittrick District.

The Dabney Oil company has purchased valuable oil lands in Kern county consisting of 110 acres in the heart of the McKittrick district, near the village of that name.

The property is within 2000 feet of the depot, and it has a pipe line from the tanks to the railroad, at which place it has three stand pipes for loading cars. There is a fall of about 200 feet from the wells to the railroad, giving a strong pressure, so that cars can be loaded rapidly. There are three large tanks for storing oil. Some of the wells are among the largest producers in Kern county, although none of them has passed through the oil sand. One of the wells reached the oil sand at a depth of 135 feet and was sunk 485 feet in the oil sand with no prospect of reaching the bottom. Several of the wells have gushed to the top of the derrick when perforated, and all of them will flow over the casing when not being pumped. The oil is 20 gravity, and is readily salable at from 15 cents to 20 cents per barrel more than the ordinary heavy oils of Kern county. McKittrick oil is being profitably refined. It contains 55 per cent illuminant, and an excellent quality of asphalt which is used in making printers' ink, etc.

The company has no fear of being overstocked with oil of that quality. There are ten wells completed and three others started. There are eight rigs for sinking wells, and it is expected to complete an average of about two wells per month, which can be done from the proceeds of oil and leave a liberal amount in the treasury to be used in paying dividends. The first dividend of 1 per cent is promised about April 1.

Oil for Fuel.

The big electric light plant at Petaluma is putting up a 15,000-gallon reservoir for crude oil and will burn oil for fuel. A saving of 10 per cent in fuel bills will be effected by the change. The plant is equipped with an oil-burning apparatus, as oil was tried once before, but at that time the cost was greater than when coal was used.

The Johnson-Locke Mercantile company, handling Ventura county oils, has closed a contract with the Oakland Cotton Mills at West Oakland, to furnish fuel oil, the mills being one of the principal manufacturing concerns on the coast. Work of changing the plant to use the new fuel is progressing.

The Lincoln.

Attention is called to the advertisement of the Lincoln Oil company on another page.

From a circular recently issued to the stockholders it is learned that the company is in a most prosperous condition. Well No. 1 will be a heavy producer and its output will be used to pay dividends on stock. Wells Nos. 2 and 3 will soon be finished and besides these ten wells will soon be commenced on section 14. The company owns its rig, tank, buildings and tools; is out of debt, has no high salaries to pay and has large capital on hand. There has been a large demand for its stock at fifty cents per share and the stock will soon command one dollar. Manager J. H. Edson is not only capable but a rustler and will soon have this company in the front rank of the producers.

Rushing the Pipe Line.

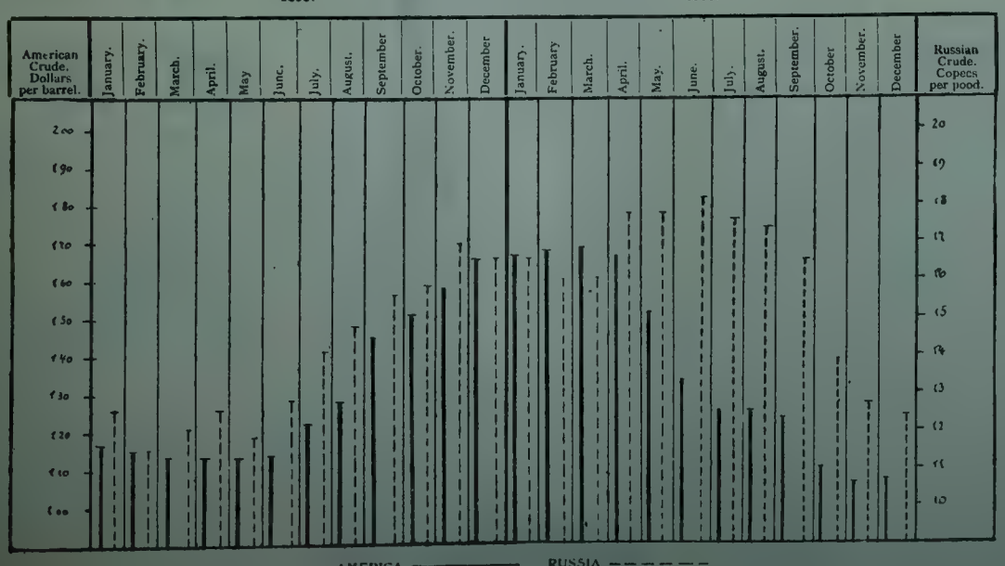
Colonel J. M. Guffy & Co. are rushing the work on their pipe line near Beaumont, Texas. The fifteen miles of pipe has been strung and the connection gang is completing a mile a day. The grades for the big iron tanks have been completed and erection of the big tanks will begin at once.

Famoso.

A remarkable record has been established by the Famoso Oil and Investment company on their well No. 1 in 4, 29-28, Kern River district. In just twenty days they have a completed well over nine hundred feet in depth, with five hundred feet of rich oil sand, ready to be perforated and put on the pump. The company expects to finish four wells this summer, and have the company on a dividend paying basis in a short time.

Before buying Oil Stock or leasing or buying Oil Lands call on BARIEAU & PERSINGER, Room 115 Phelan Building, San Francisco.

PRICES OF AMERICAN (PENNSYLVANIAN) and RUSSIAN CRUDE OIL in 1899 and 1900.



Notice.

TO THE STOCKHOLDERS OF THE TEMPLORE OIL COMPANY, A CORPORATION

There will be a special meeting of the stockholders of the Templore Oil Company, held at the office of said company, at room 115 Phelan Building, San Francisco, at 8 o'clock A. M. on the 15th day of April, 1901.

This meeting is called for the purpose of increasing the capital stock of the said company from $200,000 to $500,000. By order of the Board of Directors.

J. S. GRAHAM, President
F. M. PERSINGER, Secretary

BROWN & POWER

Stationers
Printers..
Blank Book Manufacturers

Corporation Supplies. The best in San Francisco. 60 different samples of certificates appropriate for oil companies to choose from.

406 California Street,

Tel., Main 1070 San Francisco

FOR SALE

Monarch, Lion, Occidental, Salinas Oil and Development Company, Etc.

Address——

S. S. SIMON, Original Owner
573-574 Parrott Building
Telephone, South 757.

Oil Lands given for development purposes or for forming companies.

Oil Men, Attention!!

The Occidental Exploration Company buys, develops exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

F. H. HAUSMAN, Secretary.
Room 32, 8th Floor Mills Bldg.
San Francisco, Cal.

OIL LANDS.

Kern River and McKittrick Districts.
Close to railroad and producing wells.
Good opportunity to form companies.
T. S. ATHERSTONE, 405 Montgomery street, Room 5.

MARSH RIG BUILDING CO.

Office, Room 4, tenth floor Mills Building, San Francisco.
Builders and Contractors for

Oil Well Rigs

Estimates furnished and contracts taken for building Oil Well Rigs, Derricks, Cook and Bunk Houses complete, ready to operate in any part of California.

Lowest prices quoted on Casing, Drilling Tools and Oil Well Supplies of every description. Satisfaction guaranteed.

OIL LANDS.

1,000 acres, title United States Patent, Devil's Den District; $27,500; 320 acres, San Benito county, near Wells, only $15 acre; 40 acres, Kern River District, $32,000; 320 acres, McKittrick District, $27.50 acre; snap in Sunset. E. B. HUNSAKER, 6 Eddy street, San Francisco.

DISTILLATES.

Scientific Press Notes For Field Mechanics and Practical Oil Men.

There is a constant loss of heat in water used for cooling the cylinder of a gas engine, which could be practically utilized.

For drill work in hammered steel the atoms are condensed and made of closer texture; rolled steel elongates the particles. The latter costs less, originally. The best is the cheapest in the long run or the short run.

To find the diameter of the steam pipe of an engine, multiply the square root of the engine horse power by .408; the product will be the diameter of the pipe in inches. Assuming the engine to be 100 H. P.: $\sqrt{100}=10$; $.408 \times 10=4.08$ inches diameter.

To avoid the waste of oil in the ordinary oil can, file the end of the oil can spout off at a bevel. One can then slip it under the lids of the journals without touching them with the hands, and the stream of oil can be carefully directed.

The necessary diameter of a required pipe can be determined where the volume and velocity of the water are known; multiply the number of cubic feet of water by 144; divide the product by velocity in feet per minute; the quotient is the area; divide this by .7854; the square root of this last quotient is the diameter required.

A good petroleum joint with common iron pipes can be secured by heating both the male and female threads sufficiently to dissipate every trace of oil and then make the joint up with thick shellac varnish, which may be combined with ordinary dry vermilion or even Venetian red. A good joint can also be made with ordinary yellow bar soap rubbed into the threads of the pipe, the grease first being removed. Treacle, honey, glue, mucilage and glycerine are also petroleum-proof. For a stuffing box, ordinary wicking saturated with common yellow bar soap may be safely employed.

Iron pipe expands at the rate of .00000648 of a foot for 1° F., and for 1 foot in length. If the pipe is put up at a temperature of 60° F., and the highest pressure of steam to be carried is 100 pounds by the gauge, then an allowance for expansion is to be made accordingly; the difference in temperature between that at which the pipe is put and that due to steam at 100 pounds pressure is 338—60=278°. For 1 foot in length, the expansion being .00000648 of a foot, for 100 feet it would be $.00000648 \times 100=.000648$ of a foot for 1°, and for 278° $.000648 \times 278=.18$ of a foot, or $2\frac{3}{16}$ inches.

Some American lubricating oil for machinery has a specific gravity of 0.92, a flash point of 200, a viscosity (water=1 at 0° C) at 80°, 4.23; at 100°, 1.65; for steam engine cylinders, specific gravity 0.886, flash point 383, viscosity at 100°, 4.17; at 150°, 178. Russian oil for lubricating engines has specific gravity 0.9 9, flash point 197, viscosity at 80°, 6.28; at 100°, 1.76; for cylinders, specific gravity 0.916, flash point 215, viscosity at 80°, 11.65; at 100°, 2.21; at 150°, 142; for general purposes, specific gravity 0.908, flash point, 138, viscosity at 80°, 8.84; at 100, 2.05. German lubricating oils for machinery, specific gravity about 0.828; flash point 1.55 viscosity at 50°, 15.48; at 100°, 2. 69; for general purposes, specific gravity between 0.910 and 0.994, flash point between 192 and 135, viscosity at 50°, 3.84 and 3.17, respectively; at 100°, 1.63 and 1.40, respectively.

Coal or Oil Fuel.

The question of the demand for oil as fuel in California is taken up in a recent issue of the Argonaut, which states that the extraordinary development of the oil fields in this state and the gigantic strides that have been made in increasing the output have led some people to fear that there will be an overproduction, and that the price of oil will fall below the point where it will be profitable to produce it. The fact that the oil that has been found in California heretofore is a fuel oil, and does not pay for refining, enters as an important factor in the problem. Coal is the principal competitor that the oil output will have to meet, and some figures in this connection will aid in answering the query that is being put. The San Francisco Chronicle has raised the question of overproduction, and its facts and figures are extremely interesting. California is but a small producer of coal, and that of a low quality. Oregon, Washington, and British Columbia produce most of the coal that is consumed here, and therefore the freight must be paid for by the consumer. Last year the consumption was approximately two million tons, and of this ten per cent was home product and ninety per cent imported. Considered as fuel, three barrels of oil will produce as many heat units as one ton of imported coal, and slightly more than one ton of domestic coal. This would create a demand for six million barrels of oil, at a price about two-thirds less than the market price of imported coal. The price of oil ranges rather below this at present, because the uncertainty of obtaining a sufficient supply of oil has restrained fuel-consumers from changing their engines from coal burners to oil-burners. The output of oil last year is not yet known with accuracy, but it has been estimated at between four million and six million barrels. The highest estimate would meet the total demand for coal at the present time, and this year's oil output will undoubtedly exceed the figures of last year. Is not the contention of those who fear an overproduction made out, then? The probability is that it is not. The movement of changing engines, particularly those of the railroad companies, from coal-burners to oil-burners is going on steadily, and from this source there is an ever-increasing demand. More important than this is a demand that will come from the outside of the present field of industry. The manufacturing interests of the state have been held back by the lack of cheap motive power. With this lack supplied there will be an astonishing development, since raw material is now shipped East and returned in the finished state at a loss for freight rates in both directions. There is not likely to be an overproduction of oil for many years. The only danger of the supply exceeding the demand that can arise is from the careless methods of the oil producers themselves—a danger that is not now apparent.

Producing Wells

on all sides that are pumping from 20 to 50 barrels of oil a day from wells averaging only 300 feet makes the

Los Angeles District

one of quick returns. Our land in the midst of district. Capital 100,000 shares $1.00 each. We are offering only 5000

Shares at 25 cents

of treasury stock, non-assessable. Our rig will be drilling in a few days. Orders for stock should be sent to

FOR SALE PROVEN LANDS IN KERN RIVER AND OTHER DISTRICTS

Dey Crude Oil Co.

Rooms 6 and 7, eighth floor Mills building, San Francisco

THE DABNEY OIL COMPANY

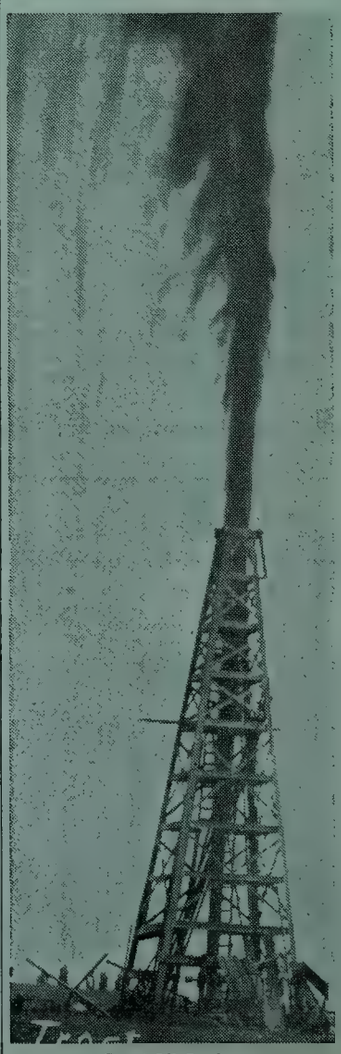
OF McKITTRICK (Incorporated)

Has opened offices in this city at 330 Pine Street, Rooms 5 and 6. The Dabney Oil Company has now Ten Producing Wells. Will complete two more this month and two in March. Will pay a dividend April 1st. Owns the famous Dabney gusher. Is selling oil in carload lots. Offers a limited number of shares of its stock at **$1.00** per share. A gilt-edged investment. Will pay not less than 1 per cent a month in dividends on and after April 1, 1901. Can you do better? Call or address

DABNEY OIL COMPANY, 330 PINE STREET, ROOM 5.

For information and terms for oil in carload lots apply at the office.

OIL COMBINATION



Great Oil Gusher.

MACPHERSON & CO.

Are selling agents for the following Standard Oil Companies:

San Ardo Consolidated...Monterey county
Nonpareil Consolidated..San Benito county
Ila of McKittrick.....Kern county
Shale.....Kern county
River Extension.....Kern county

The personnel of all these companies is represented by men of experience and capital.

The combined capital is $2,050,000.

Two complete standard rigs are at work and at present in oil. It goes without saying that oil will be struck by one or all of these companies. One well is now down over 1200 feet, and another over 1000.

A strike of oil will make you independent. You then cannot fail in this combination.

$27.50

Invested in this combination makes you the owner of ten shares of the capital stock in each company—fifty shares in all.

One or all are sure to strike oil. Orders must be accompanied by check or P. O order, and addressed to

MACPHERSON & CO.

Room 501 Hearst Building,
Cor. Third and Market Sts.
San Francisco, Cal.

We are members of the Producers' Oil Exchange and licensed by the U. S. Government.

PHONE, BUSH 240.

We reserve the right to advance the price of this list at any time without giving notice.

References: Bank of California, Crocker-Woolworth Bank, Union Trust Co. of San Francisco.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

BUTTE.

The Feather River Oil company is purchasing a standard rig for sinking their well deeper.

COLUSA.

An oil company of local investors has been organized in Colusa.

The Chico papers say the railroad company is withdrawing its lands in the oil region there from market.

Three drills will be put to work at once on the site of the Gibson oil spring in Colusa county.

The Red Bluff Sentinel gives Hay as authority for the statement that the Gibson property on which is situated the Gibson Oil spring has been sold for $250,000.

CONTRA COSTA.

The indications for gas on the Ben Jones place, near Clayton, are of the best and in many places oil seepages are discernable. A well will be commenced within three months on this place, which has been leased for that purpose. So far there will certainly be two wells bored within two miles of Clayton. The other will be on the Wetmore place by the Mt. Zion Oil and Development company, which compnay is now organized.

GLENN.

Glenn County Coal & Oil company is working along slow but sure and with more favorable prospects every day.

KERN.

The El Zumo Puro has resumed work at Temblor.

The Graves company, 19, 28-28, is preparing to perforate well No. 4.

Spudding has begun on the Olema, 19, 28-20.

The first sand has been struck by the Colorado and California on 35, 12-24.

Spudding has begun on No. 2 of the Superior. No. 1 is finished.

A 20,000-barrel storage tank is to be up by the Monte Cristo on ground already cleared.

The Hanford-Sanger has begun spudding on section 3, 11 24.

A 35,000-barrel tank is being put up by the Revenue at Kern River.

The Standard Oil company has completed five large oil tanks, which are now ready for use.

The Monarch No. 1 and the J. B. B. No. 1 have been put on the pump—the first in Sunset.

The N ½ of the NW ¼ of 36, 27-26, has been deeded by Percy Young to the Athens Oil company.

The Columbian Oil company of Oakland, will soon have two rigs at work on 29, 28-28.

The Oriental 30, 32-23, reports no more oil than will grease the tools so far. More is expected at depth.

The Pittsburg, Sunset district, has completed its fishing job and is now shutting off the water.

The Monte Cristo threw oil over the derrick recently and then suddenly became choked with sand, which is now being removed.

Bailing has shown the Golden Gate, 34, 12-24, Sunset district to be good for twenty-five barrels daily. It will be drilled deeper.

While trying recently to hit the 9⅝-inch casing the derrick of the Continental collapsed and not a stick was left standing.

The S. P. are building 150 wooden tank cars at Sacramento to take the place of the steel ones until the latter can be built.

Superior, which has had really more than its share of trouble in its well at Sunset, has plugged the casing and is perforating. The heaving sand was overcome.

Gray Gander's water well is practically inexhaustible. Five rigs are supplied and several more will be drawing upon the well as soon as their machinery starts up. Ground is being leveled for derrick No. 2.

The company to be known as the Nineteen Oil and recently organized by Fresnans, will work on 19, 28-28. As soon as a charter is secured, material will be placed on its property and development begun.

Potts of Sunset is in blue shale underlying a hard shell of rock and the prospects are considered favorable for the early striking of oil. The gas is rising in quantities. The depth of the well is 950 feet.

Several San Francisco parties who attempted to jump the SW ¼ of 23, 32-23, have been checked by the Producers' Oil company, who also claim the land. The latter have a derrick up and a rig on the way.

A decision in favor of the defendant was given by Judge Mahon in the case of Morris Fox vs. C. P. Fox, denying the injunction and dissolving restraining order. The property involved was an interest in 20 acres in the NW ¼, section 25, 28-27, worth about $3,000 per acre.

The capacity of the Edgar well on 18, 28-28, will soon be known, as the inner casings are being cut off and perforating will be done in a day or two. This well is said to contain a total of 150 feet of oil sand, and is believed to be very rich.

Petroleum Development well on the south line of 18, 28-28, is good for seventy-five barrels a day, according to the sworn statements of those who drilled and tested it. The well was pumped for thirty-six hours. A second one is being drilled.

The McWhorter refinery at Kern will soon quadruple its capacity. More stills have been added and as soon as these can be put in place the refinery will be able to turn out four times as much of the refined product as heretofore. There is a brisk demand for the distillate, in fact the refinery cannot keep up with its orders.

Iowa, in the Kern field, began last Saturday morning to sink a shaft, and up to Tuesday had a hole 150 feet deep and 14 inches in diameter. Since El Oro made a strike within a third of a mile from Iowa, derricks have sprung up in that immediate vicinity until the flat is nearly covered with prospecting companies and derricks.

J. F. Gibson of Visalia has returned from a visit to the northeast part of Tulare county and to Rag Gulch in Kern county. The land in these parts he reports is all patented, and the owners generally have bonded them to people who desire to bore for oil. Mr. Gibson says he saw no rigs, but people are coming and going all the time, and two companies expect to bore for oil at an early date.

A Letter

The following letter will probably be of interest to the readers of this paper. Colonel L. P. Crane, the President of the California Petroleum Miners' Association, after making a thorough investigation of the affairs of the Standard Oil Promotion and Investment Company sent the following to the Oil Editor of the San Francisco Evening Post.

SAN FRANCISCO February 2, 1901.

EVENING POST. In reply to your request to make a thorough examination of the methods employed by the Standard Oil Promotion and Investment Company I beg to make the following report: I recently called upon the management of the company and stated the object of my visit. They willingly showed me their entire business, from its inception to that date, and I found nothing in their method of business which created the slightest suspicion in my mind. On the contrary, I left their office fully in the belief that it was a legitimate organization, doing business in a legitimate way, and worthy of public confidence. Very respectfully,

(Signed) L. P. CRANE.

Standard Oil Promotion and Investment Co.

INCORPORATED.

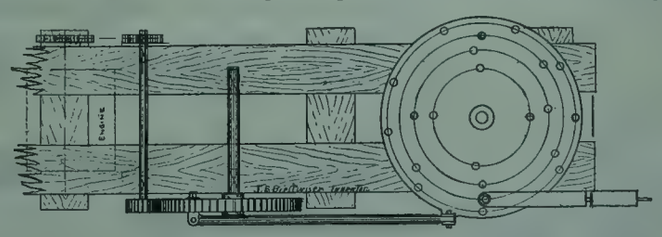
LICENSED BY UNITED STATES GOVERNMENT.

575-576-577 Parrott Building = = San Francisco, Cal.

Souvenir Views of California Oil Fields, Free upon request

A PUMPING POWER

That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



J. E. BREITWISER, Inventor. RISDON IRON WORKS, Builders

To Investors.

A number of companies are offering stocks under a new and novel plan. They not only secure the investor against loss, but pay a fixed rate of interest, equal to saving banks' rates, on amounts invested. The transaction is handled as follows: A buys $1000 worth of stock. The company selling the stock at once have a fifteen or twenty-year bond, drawing two or two and one-half per cent interest per annum, payable semi-annually, placed in escrow to protect A's investment. Every six months A gets his interest coupon. At the maturity of the bond A either has to give up his stock for it, or he retains his stock and the bond is paid to the company, A, of course securing his pro rata of security. Under this plan stocks can be purchased and buyers guaranteed dollar for dollar of their investment. They also secure a positive and fixed rate of interest. These advantages they may have outside of any and all interests and dividends paid by the company issuing the stock. This is the first time that INTEREST-BEARING BONDS have been used to guarantee investments. Each and every bond bears a certified statement from the California Safe Deposit and Trust company to the effect that they have ample and sufficient security on deposit with them to protect the bond in full. Investors may have the bonds placed in escrow in any bank or safe deposit they wish. Holders of guaranteed stocks can always borrow eighty per cent of the cost of the bond plus the accrued value from year to year.

Beyond question of doubt, an immense amount of stock will be sold under this plan.

For further information address, PACIFIC COAST UNDERWRITING COMPANY, 507–508–509 Parrott building, San Francisco.

LOS ANGELES.

The Whittier Consolidated is using a four-inch bit on the well being drilled north of the city. Loose sand makes slow drilling.

The Fidelity Oil company is still at work deepening well No. 1. The well, which is down nearly 1,400 feet, will be put on the pump again in a few days.

The Warner Oil company has its new well No. 4, down 760 feet. The second string of casing will be put in at once. The formation is standing up well.

The Whittier Oil and Development company, on section 24, has drilled through a hard shell at a depth of 780 feet. There are now three strings of casing in the hole and the smallest, 7⅝, will be carried down with an under-reamer.

The Turner Oil company is pulling the casing on No. 5 in order to deepen the hole. The well has been on the pump and demonstrated that it would be a good producer at its present depth, less than 900 feet, but it was thought best to carry the hole further down.

The Central Oil company is bringing in two fine wells, numbers 16 and 26. They are both deep and give promise of being among the best producers the company has. The company has finished deepening No. 3 and the tools will be transferred to No. 30.

SANTA BARBARA.

A contractor has completed the fourth and last well for the Sunset company on their wharf.

The Sea Cliff company is now putting up a 1000-barrel tank near their wharf at Summerland.

In six weeks the tankage of the Summerland field has been increased nearly 5000 barrels, due to the indisposition of producers to sell at present prices.

Samuel Wakeham has sold his plant, consisting of six wells and the necessary tankage, to H. L. Norton, president of the Summerland Oil & Improvement company. The latter company announces their intention of putting down more wells soon.

ORANGE.

Well No. 6 on the Fullerton Consolidated Oil company's lease is now pumping over fifty barrels daily.

The Fullerton Oil company is laying a new pipe line from its lease to the stand pipes on the Santa Fe tracks.

The Standard Crude Oil company, after two weeks' hard work, succeeded in releasing the stuck tools in its well Wednesday night.

The Santa Fe has commenced drilling well No. 24, and completed the rig for No. 25. There is still an active demand in the Fullerton field for expert drillers. The Santa Fe had to send away for a man to take charge of the work of drilling well No. 24.

The Brea Canyon Oil company yesterday received two carloads of heavy lumber for new rigs. As soon as it can be hauled out to the wells and derricks erected, two or three drilling crews will be added to the present working forces on the leases.

Well No. 7 of the Columbia has been deepened, and now flows seventy-five barrels daily. Well No. 9, which is pumped only twelve hours daily, is putting out eighty barrels, and the daily production of No. 10, pumped day and night, is 125 barrels daily, and the daily output is now over 400 barrels.

Graham & Loftus now have rigs Nos. 12, 13 and 14 up on their west line for new wells. All three of the new wells on this lease are in oil. No. 7 is down 1500 feet, and will soon be ready for the pump; No. 10 is down 1300 feet, and No. 11, the last well started on the lease, is down 750 feet, with an excellent showing of oil.

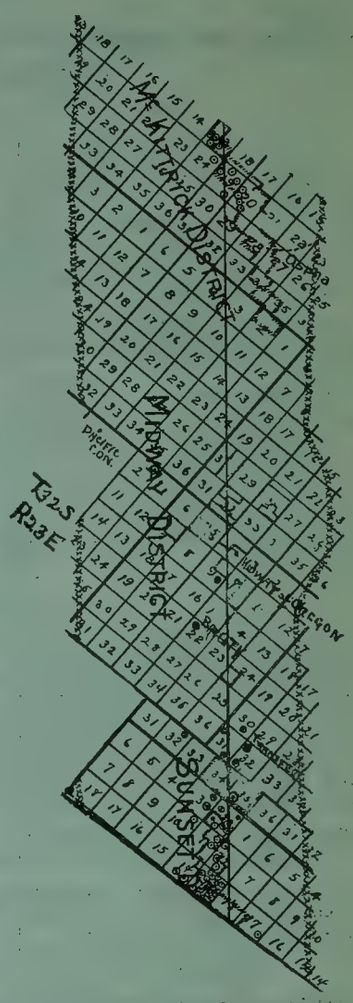
A NEW MIDWAY COMPANY ORGANIZED.

The Usona Petroleum company has been incorporated to develop 160 acres of land leased from the "Bay City Oil company in the Midway district, Kern county, so situated in relation to that company's remarkable well that the certainty of success is assured. The most southerly piece lies within a quarter mile of the Bay City well, while the other is immediately adjoining the well of the "Midway" Oil company of Oregon, where the indications are the most favorable. The land has been secured on a low royalty fair to both owner and lessee. Part of the lumber for the company's derrick is already on the ground, but work will not be pushed until there is sufficient money on hand to carry it to a finish—to that end 50,000 shares have been placed on sale at 10 cents per share.

The first 50,000 shares must be all subscribed for before the subscribers are asked to pay a cent. One half is payable when they are all taken and the balance if desired may be paid not more than thirty days later. The second 50,000 shares will be offered at an advanced price.

The stockholders of the "Bay City" will readily appreciate that this is one of the best opportunities for investment that could be offered, as the original Bay City stock is not on the market.

The incorporators of the Usona Petroleum company are nearly all of them connected with the "Bay City" and have been amongst those mainly instrumental in pushing that company to a success.



GUARANTEE UPON GUARANTEE

The Famoso is in Oil and Its Stock is Now Doubly Guaranteed

Guaranteed from the beginning by the Continental Building and Loan Association, the value of the stock of

The Famoso Oil and Investment Company

Is now established by the proven richness of its holdings in the Kern River District. We are not only in the CENTER OF OIL PRODUCTION IN CALIFORNIA, but our first well is the peer of anything in the vicinity. Our engagements require us to complete three more wells this summer, making

Four Wells in Six Months

That is the reason why we will sell Treasury Stock for a short time onger at the same price. WE MUST HAVE QUICK CASH FOR RAPID EVELOPMENT. Energetic work now will put the company on a dividend paying basis this year.

Our Stock is a Bargain

AT THE OLD PRICE OF FIFTY CENTS A SHARE. It will advance soon without notice, and finally be wholly withdrawn from sale.

Call at our Office, or send for Prospectus and Information. Inquire about us from any reputable journal identified with the Oil Business.

OFFICERS :—John P. Albro, President; A. J. Munton, Vice-President; T. A. Sheppard, Secretary; S. D. Miner, General Manager.

Office: Room 393 Parrott Building, San Francisco

Branch Office, 1330 E Street, San Diego, Cal.

SAN BENITO.

The Coalinga Oil district is about twenty miles southeast of the center of the Vallecitos district.

It is understood that the Union Oil company will begin operations again in the near future.

The Fresno and San Benito county oil wells are now down 75 feet, but owing to the bad weather were compelled to close down until better weather.

The San Jose Petroleum Oil company of Pamoche proposes to lease a tract of land in Santa Clara county which shows fine indications.

VENTURA.

The Montana Oil company is now operating on the Akers place, and from the latest reports has a crooked hole.

The Tapo Oil company has suspended operations on its lease and is now moving its rig nearer the Torrey field.

The Weldon Oil company has just put up a Standard rig, and commenced drilling for oil. A desirable location has been selected, and it is expected that oil will be found within 700 to 800 feet.

The Whittier-Fillmore company, which is composed largely of Whittier people, is making good progress with its second well at Fillmore. The hole is down over 200 feet with the first string of casing.

The Buena Vista Oil company, operating in the Ventura district, has struck oil in its well on the Jennings place at a depth of 300 feet. The well was drilled about seven miles up Ventura avenue.

Rockefeller Oil Company.

The Rockefeller Oil company was incorporated on September 18, 1900, capital, $100,000. Property consists of eighty acres in 34, 29 22 in McKittrick district.

This district is one of the best known in the state and contains many large producers.

The progressive management that has thus far characterized the operations of this company should enable investors to get returns in the shortest possible time.

Twenty-five thousand shares have been placed in the treasury and will be sold at 50 cents per share to provide funds for development work.

The company has offices at 401 California street, San Francisco.

Out of Papers.

In response to numerous orders notice is given that no more copies of the OIL REPORTER of February 8, 15 and 22nd are left.

Wanted:

Position as Oil Well Driller by one experienced in drilling in sandstone formations. Apply to JAS. A. JACOBS, 1935 Mission street.

Secretary and Accountant connected with large institution offers his services to a reliable oil company, for either cash or stock in payment. Corporation work and meetings. "Tangles" straightened out, or books audited. A 1 references.

Address, S. E. C., this office.

TO THE OIL FIELDS.

Southern Pacific Excursion on March 9th.

The Southern Pacific has announced a $[illegible] excursion to Bakersfield on Saturday evening, March 9, the purpose being to give those who may be interested in oil developments a chance to see for themselves what a wonderful work is now going on in that industry. The excursion will be made in Pullman buffet sleeping cars, for which the round trip berth rate is $4. Extra Sunday trains will be run from Bakersfield to Oil City and McKittrick, for both of which there will be a special rate made for excursionists. More complete details will follow when arrangements are completed. William H. Merton, excursion passenger agent for the Southern Pacific, will have charge of the party. Reservations should be made right away.

The new San Francisco [illegible] Exchange is not doing as yet a very extensive business. There are fifty-seven companies now listed. **Principal trading seems to be in** Petroleum Center. Prices the same as in the Producers' Oil Exchange.

Notice of Assessment.

Lomita Vista Prune Ranch company. Location of principal place of business San Francisco, California. Location of ranch Monterey county, California.

Notice is hereby given that at the meeting of the board of directors held on the 24th day of February, 1900, an assessment of ten [illegible] dollars per share was levied upon the capital stock of the corporation payable in United States gold coin at the office of Madden & Burke, 630 Market street, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 7th day of March, 1900, will be delinquent and advertised for sale at public auction, and unless payment is made before will be sold on Monday, the 23rd day of April, 1900, to pay the delinquent assessment together with the cost of advertising and expenses of sale.

By order of the board of directors.

FRANK MORTON, Secretary.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern part of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
501 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

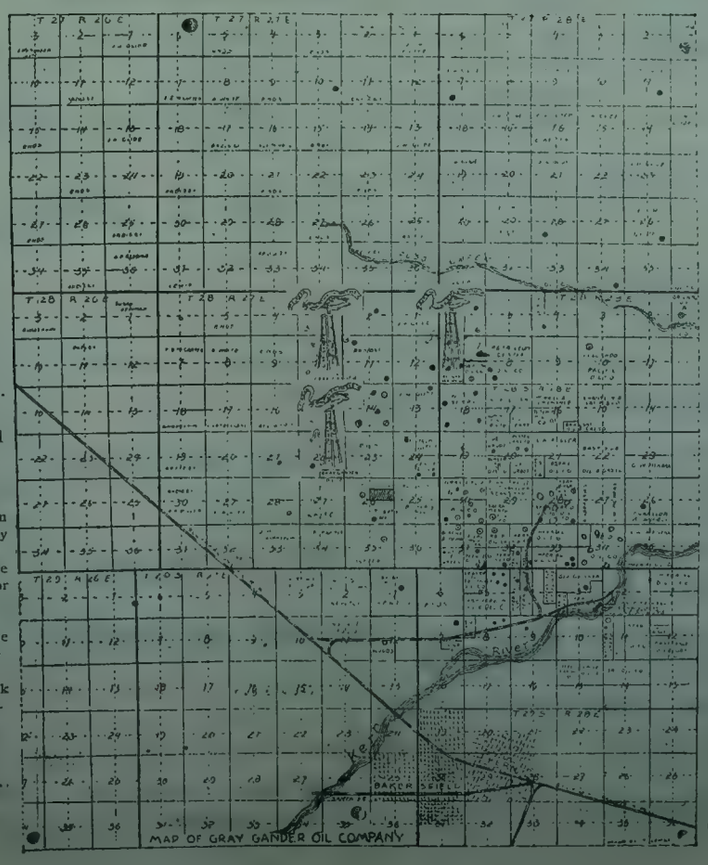
2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

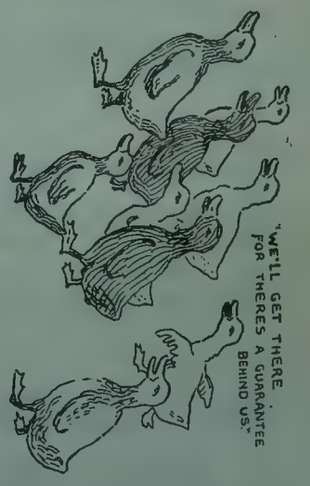
3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.





Oil Comp'ny

Incorporated under the laws of South Dakota June 21, 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President.....J. L. DOBLE
Secretary.....G. F. ABBOTT

Write or call at office 330 Pine street Rooms 44 and 45, for special induce-ments for short time.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, February 27:

AMERICAN FUEL.

100 at	27	27 00
100 at	26	26 00

ÆTNA.

500 at	33	165 00

BEAR FLAG.

100 at	40	40 00
100 at	35	35 00
1600 at	25	250 00
50 at	27	13 50

BLACK JACK.

100 at	1 35	135 00

BLUE GOOSE.

60 at	3 50	210 00
11 at	4 00	44 00
55 at	5 00	275 00
10 at	4 75	47 50
5 at	4 50	225 00

CALIFORNIA STANDARD.

2300 at	39	897 00
600 at	38	228 00
2400 at	40	960 00

CARIBOU.

1100 at	68	748 00

CENTRAL POINT CON.

300 at	2 00	600 00
200 at	1 85	370 00

EL DORADO.

150 at	1 95	292 50
100 at	1 75	175 00

FOUR OIL CO

1500(S90)at	58	870 00
3038 at	59	1792 42
500 at	58	290 00
36 at	57	20 52
300 at	60	180 00
500(S90) at	59	295 00
500 (B 10) at	60	300 00

GOLD DOLLAR.

800 at	50	400 00
500 at	42	210 00
100 at	40	40 00
500 at	41	205 00
1000 at	37	370 00

HANFORD.

1 at	111 00	111 00
2 at	110 00	220 00
5 at	107 00	535 00
1 at	106 00	106 00
12½ at	101 00	1262 50
12 at	102 50	1230 00

HANFORD-FRESNO-KERN RIVER.

550 at	23	125 00
100 (Cash)at	23	23 00
1450 at	20	200 00
100 at	21	21 00

HOME OIL.

155 at	4 35	674 25
420 at	4 30	1806 00
100(S30) at	4 35	435 00
100 at	4 25	425 00
10 at	4 05	40 50

HOMESTAKE.

5 at	9 00	45 00

INDEPENDENCE.

1000 at	16	160 00
1000(S30) at	16	160 00
1000 Cash at	17	170 00

JUNCTION.

200 at	76	152 00
100 at	77	77 00
30 at	80	24 00
200 at	73	146 00
100 at	74	74 00
100 at	75	75 00
800 at	72	576 00

KERN OIL CO.

270 at	10 75	2902 50
50 at	10 62½	531 25
250 at	10 00	2500 00

LION OIL CO.

1360 at	22	299 20
2700 at	21	567 00
3250 at	20	650 00
500(B30)at	21	105 00

MONARCH OF ARIZONA.

300 at	69	207 00
7300 at	68	681 00
20 at	66	13 20
600 (B30) at	69	414 00
1100 at	67	737 00

MONTE CRISTO.

100 at	2 50	250 00
200 at	2 40	480 00

McKITTRICK CONSOLIDATED.

100 at	16	16 00

OCCIDENTAL OF W. VA.

1000 at	65	650 00
100 at	64	64 00
800 at	66	528 00
100 at	68	68 00

OIL CITY PET.

500 at	32	160 00
2500 at	31	775 00
1000 at	30	300 00
2000 at	29	580 00

PEERLESS.

50 at	8 50	425 00
25 at	8 37½	209 37½
60 at	8 00	480 00
100 at	8 25	825 00
50(B 10) at	8 25	412 50

PETROLEUM CENTER.

9873 at	16	1579 68
3050 at	17	518 50
19743 at	15	2961 45
500 (B30) at	16	80 00
3000Cash at	15	450 00
111 at	14	15 54

REED CRUDE.

150 at	64	96 00
200 at	63	126 00
104 at	65	67 60
100 at	67	67 00
600(S10)at	66	396 00
3300 at	69	2277 00
200 at	68	136 00
400 at	66	264 00

S. F. & McKITTRICK

200 at	1 50	300 00

STERLING.

100 at	3 05	305 00
123 at	3 02	369 00

SUPERIOR

100 at	30	30 00
500 at	26	130 00
900 at	25	225 00
500 at	24	120 00

SAN JOAQUIN O. & D. CO.

50 at	12 37½	618 75
50 at	12 50	625 00
500 at	12 00	6000 00
140 at	12 12½	1707 50
155 at	12 25	1898 75

THIRTY-THREE.

10 at	12 25	122 50

TWENTY-EIGHT

100 at	2 00	200 00
200 at	1 75	350 00

YUKON.

25 at	40	10 00

Shares 97,637½ Amount $55,851.98½

C. E. WILSON & CO.,

Stock Brokers

MEMBERS PRODUCERS' OIL EXCHANGE . . . . .

Oil Stocks, unlisted and listed, bought and sold.

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ORR & MERACLE.

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Oil Stocks

Agents for the Occidental and sub-companies, Lone Star, Lion, Monarch. Sole agents for Corona and Golden West Stocks. Rooms 497, 498 Parrott Bldg. San Francisco. 'Phone, South 788.

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LICENSED BROKER.

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Pacific Stock Exchange.

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AND

Sold on Commission

Will execute all orders promptly. Correspondence solicited.

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Member Producers' Oil Exchange.

ORDERS TO BUY OR SELL OIL STOCKS PROMPTLY EXECUTED.

AGENT FOR

20 OIL CO., McKittrick

Incorporated for 100,000 shares, par value $1; 50,000 treasury stock. One well about 1000 feet deep in oil. Drilling on well No. 2 to begin by Feb. 1st. Price of shares: First 10,000 at 50 cents. When second well is finished stock wil be listed on Exchange. Maps and literature on application.

Office—Belden Block 137 Montgomery street, room 13, second floor.

CRYSTAL OIL COMPANY.

Incorporated Under Laws of California

160 Acres in Fresno County.

Near Famous Panoche and Contua Districts.

CAPITAL STOCK $200,000. PAR VALUE $1 per share

10,000 SHARES NOW ON SALE AT 25 Cents, FOR DEVELOPMENT PURPOSES ONLY.

Office: : : : 3 Eddy St.

SAN FRANCISCO, CAL.

Oil Companies Incorporated.

Paragon Oil company Principal place of business Bakersfield Directors W M Landees A C Liebendorfer C L Claflin, C Bickerdike J Lyter J E Jenkins and C E Hallett of Bakersfield Capital stock $800,000, subscribed, $70

Patron Oil company Principal place of business, Bakersfield Directors W M Landees, J R Cist, G W Holloway, C Hahn and W S Dewey of Bakersfield Capital stock, $800,000; subscribed, $70

Sargasso Oil company. Principal place of business San Francisco Directors F S Montague, J L M Shetterlee J H Wright, W J F Lawton J F Foster, C N Johnson of San Francisco, and A S Lord of Nevada City Capital stock, $200 000 subscribed, $16

Stanislaus & West Side Oil company Principal place of business San Francisco Directors: J W Smith of Stockton, R G Stewart of Crow's Landing W S Nat les L L Long A F Benzon, P J Kennedy, C H Ward W K Bracket of San Francisco and C B Simmons of Visalia Capital stock, $600,000, subscribed $50

Miller Oil company Principal place of business, San Francisco Directors Magner, A Keete C S Laumeister, P Anspacher and W D Miller of San Francisco Capital stock, $110,000. subscribed, $11

Palm of Devil's Den Oil company. Principal place of business, San Francisco Directors. C A Hascall, J C Franklin, H F Michener, W J Sutherland and M Hanak of San Francisco. Capital stock, $400,000; subscribed $50

Northern Giant Oil company Principal place of business, Oakland Directors: R O Gray, G A Gray, J H Simpson, J F Soulberger and B Connell of Oakland. Capital stock, $250,000; subscribed, $800.

Buffalo Oil company. Principal place of business, San Francisco, Directors: W Wright L Alexander, L L Solomans, E D Dement, J K Dorn of San Francisco, C H Congdon of Bakersfield and W A Gray of Visalia. Capital stock, $600,000; subscribed. $35

Western Petroleum company. Principal place of business San Francisco Directors: H C Tilden, D O'Callaghan, F H Davis, J Coleman of San Francisco and R K Howk of Oakland. Capital stock, $350,000; subscribed, $50

Silver Star Oil company. Principal place of business, San Francisco. Directors: D M Tomblin, W S Peters of Oakland, C C Kinsey, F T Martin of San Francisco and J G Paton of Alameda. Capital stock $300,000; subscribed, $25.

Nevada Oil company. Principal place of business. Oakland. Directors: G E Gillett, T H Jeter, J Meuller, Z H Goldsby of Oakland and J E Dodds of Santa Cruz. Capital stock, $500,000; subscribed, $125,000.

Caris Oil company. Principal place of business, San Francisco. Directors: A H Cahles, W B Swears, F S Snell, P Forzani, T H Chandler. A P Mulligan and L Heilbroner of San Francisco. Capital stock, $00,000; subscribed, $50.

Barton Oil company Principal place of business Visalia Directors A J Honigsberger J H McKie O D Barton A B Murray and B J Ball of Visalia. Capital stock, $100 000 subscribed 445

Rita Oil company Principal place of business, Visalia Directors A D Sweet W J Nicholson W A Parr, E C Farnsworth and A H Murray Jr of Visalia. Capital stock, $240 000 subscribed, $25

Washington Oil company Principal place of business San Francisco Directors P J Bennett, M A Franks, H M Litchenstein, S Herzog J Magnin S Rosenheim and J Samuels of San Francisco Capital stock, $350 000 subscribed, $35

Oro Fino Oil company Principal place of business, Selma Directors L D Scott, H J Wells, W E Walker, M Vincent and C A Harrison of Selma Capital stock, $300,000, subscribed, $250

Flume City Oil company Principal place of business Sanger Directors T B Redfield J M Morrow, G W Christenson, J B Pressley, T C Goodfellow, B R Clow and W M Barr of Sanger Capital stock, $270,000; subscribed, $162,000

Apache Oil company. Principal place of business, San Francisco Directors G L Walker, S J Conger, C C Hanley of Alameda, W F Dixey and E L Campbell of San Francisco. Capital stock, $350,000; subscribed, $25

Volcano Oil company Principal place of business, San Francisco Directors A Aigeltinger, B W Burchard, C F Kapp, A R Patrick, J B Rogers, W A Miller, W C Carpenter, J A Logan of San Francisco and H C Meltke of Oakland Capital stock, $100 000, fully subscribed.

La Mesa Chiquita Oil company. Principal place of business, Porterville, Tulare county Directors: H F Brey, E Scott, A J Hewey, A G Schultz, J F Boller of Porterville, J Mitchell of White River, C B Simmons of Visalia, A B Smith of Fresno and J H Williams of Tome River, N J. Capital stock, $200,000 subscribed, $6000.

National Oil & Investment company. Principal place of business, Oakland. Directors: D W Barr of Elmhurst, N M Fay, R N Fay of Fruitvale, C L Hull of Sacramento and A E Pelton of San Leandro. Capital stock, $500,000, subscribed, $225,000.

Eastwood Oil company. Principal place of business, Fresno. Directors: W Liddell, J S Eastwood, B C McDougal, A J Hudson and H Eastwood of Fresno. Capital stock, $200,000; subscribed $100,000.

Eight Oil company. Principal place of busi ess, Oakland Directors: S F Johnson of Walnut Creek, H P Dunning, J B Daly, D W Hatch, J Garrat, C C Dodge and L C Bracket of Oakland Capital stock, $300,000; subscribed, $700.

The following oil companies have been incorporated under the laws of Arizona.

Manhattan Oil company. Capitalization, $1,000-000; incorporators, C H H German, J H Plummer, J F Cresser of New York.

Calmo Oil company. Capitalization, $500,000; incorporators, William Huttig, W H Winants, W A Rule O B Stanton H L Packard of Kansas City Mo and Solomon Jewell and H A Blodgett of Kern county Cal

Earl Crude Oil company Capitalization $100-000 incorporators, W W Hutchinson A L Worley E W Peck, P I M Wate, John C Jones R C Haynes of San Francisco, I E Crump of Acampo Cal

Gabilan Oil company Capitalization $500 000, incorporators, F Arata, E M Onion John T Long, H L Welch Aug F, Chamot Will C Hays S H Regensburger, J B Olsen, F M Belgrano of San Francisco

A FORTUNE IN OIL LAND.

E. M. Roberts Sells the Last of His Holdings in Kern River.

E. M. Roberts has sold the last of his holdings in section 8, just north of Kern River. The entire tract of 240 acres has brought him $376,000, or over $1500 per acre. The last sales were of 20 and 40-acre tracts. The 20-acre section is on the N ½ of the NW ¼, and was sold to the California Crude Oil company for $60,000, or $3000 per acre. The terms of the payment were $10,000 down and the remainder in six months. A rig has been erected by this company on the east half of the same quarter.

The Fair Estate is forming a company to operate on section 8, and this company is the purchaser of the forty acres, for which it paid $100,000, or $2500 an acre; $70,000 was paid down, and the balance is to be paid in six months.

A deal is on by which the possession of eighty acres of land in the Coalinga district will pass into the hands of A. Baker of San Francisco by Saturday of this week. The purchase price has been withheld.

Oil Men From Kansas

Three Kansas City companies, the Bolena, Hecla and Alva, are busily engaged doing work on 29, 28-28, according to the Californian. The Alva was organized about a month ago, with D. G. Sunders at its head. Work will begin on this well next week.

The rig is up on the Bolena, and all the necessary tools to begin drilling with are on the ground. The engine will be steamed up Monday for the first time.

Spudding was begun on the quarter 19, 27-28, last week. Everything was in readiness to begin operations sooner, but work was delayed on account of lack of water.

These three companies are under the charge of C. F. Tryon of Kansas City. "Judge" Craig is field superintendent.

Wanted, Oil Men

To know that Chas. W. Palm, the well-known law publisher, is preparing a directory of the oil companies of the Pacific Coast, which will be ready for delivery in March.

Secretaries of companies organized under the laws of other states than California will insure the insertion of their corporations by mailing the names of officers and directors, capital stock and date of incorporation to the publisher, CHAS. W. PALM, 505 Clay St., San Francisco.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

LINCOLN OIL COMPANY OF OAKLAND, CAL.

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered for A Few Days

Address **Lincoln Oil Company, Central Bank Building, Oakland, Cal.**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lie within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours

M. M. OGDEN

Field Expert Producers' Oil Exchange,
San Francisco, Cal.

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28-27, Kern River district has passed through rich oil sand and will soon be finished with the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

STOCK UNDERWRITTEN

OFFICE

Pacific Coast Underwriting Company

504 PARROTT BUILDINC

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in ths city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

A few Reliable Agents wanted to sell our Stock.

"TURKEY IN THE STRAW."

[Dedicated to some Pennsylvania operators who "expected" to find oil at 1000 feet.]

"Do you see that spot over there on the knoll—
The place where a bit of it's caved and filled?
That's the top of a thousand feet of hole—
I was there when the finishing part was drilled.
'Twas the night they were booked to get the sand,
Though never a sign of sand they saw,
And while they waited, the wildcatting band
Hummed, whistled and sang of bird and straw.
Turkey in the straw! Turkey in the straw!
The derrick, it was cold and the weather, it was raw,
So McSweeney pitched the key, 'patting juber' on his knee,
And they rattled off the tune called 'Turkey in the straw.'

"The shell they struck was speedily done—
A few good clips and the bit went through,
'A soft spot there in the sand,' said one,
As he watched the driller whirl out the screw,
Then turned with a sort of pitying hate
To the fellow who laughed with a loud guffaw;
More washings of tailings—nothing but slate,—
Then more of the tune of the bird and straw.
Turkey in the straw! Turkey in the straw!
Duncan tried to doze and Richey tried to thaw,
But they couldn't make it go, so they took the key from Joe,
And assisted in the tune called 'Turkey in the straw.'

"As they drove away in the frosty morn
They might have been pardoned for feeling gruff,
But disappointment they laughed to scorn,
Being made, like ambition, of sterner stuff;
And waving the natives a bland farewell
They caught the pitch from the man of law,
And sent the echoes or hill and dell
In a parting stave of the bird and straw.
Turkey in the straw! Turkey in the straw!
Heivly on the gee side, Curran on the haw;
As they vanished down the track, still the breezes wafted back,
With the toby smoke, a tune called 'Turkey in the straw.'"

ENTERPRISING OIL MAN.

General W. H. H. Hart a Most Successful Oil Operator.

Bought—Section 36, township 28, range 27 in Kern River Oil District a month ago for $225,000.

Sold—The same on Monday last for $630,000.

Such is the record made by Gen. W. H. H. Hart and his associates within the last month.

Gen. Hart and his associates in January sold for a good round sum a portion of their holdings in Fresno county held under the name of the California Oil and Gas company.

As soon as the money had been paid, the General and his associates invested the same in the purchase of entire section 36 in 28-27, paying for the same $225,000.

In less than a month he disposed of the same for $630,000, one-third of this amount being paid in spot cash and the balance payable in installments.

Those who bought this section have organized what is practically a close corporation, called the Hart Crude Oil company, which consists of W. M. Graham, Mrs. L. P. Drexler, W. F. Hall of Visalia, R. J. Davis, E. R. Graham, of Pittsburg, Pa., F. P. Graf of New York, James Madison of Fresno, and several other gentlemen connected with the Crocker-Woolworth Bank of this city. Gen. Hart is also an owner to a small extent in this company, and will act as its president for one year. The company is organized on a basis of 1,000,000 shares at the par value of $1, which is paid up in full.

INSPECTING THE DISTRICT.

On Saturday last Gen. Hart and a party of local capitalists went to Bakersfield on the Santa Fe route in an elegant private Pullman car, for the purpose of inspecting the Kern River oil district. The party consisted of Gen. Hart, Mr. Greer, the assistant cashier of the Crocker-Woolworth bank; C. F. Gardner, Charles L. Fair, Frank Pierce, C. E. Green, R. J. Davis, T. S. Bullock, W. M. Graham and several others largely interested in financial propositions in this city and elsewhere.

The party had carriages ordered and immediately proceeded to thoroughly inspect the oil fields.

The result of the inspection was extremely favorable, and the party returned much impressed with the importance of the oil industry, especially as relating to the Kern River district.

AN IMMENSE PROPOSITION.

Gen. Hart is nothing if not a rustler.

The PACIFIC OIL REPORTER is able to announce exclusively that he has associated with himself a number of capitalists, prominent among whom is Mr. J. P. Whitney of Boston, and a number of local financiers, who intend to organize what may be called a "Gas Construction Company."

The intention of this company is to utilize recent patents in the manufacture and distribution of gas from crude petroleum.

It is the intention of the company to construct gas works in every town in California of 2,000 inhabitants and over, where at present there are no gas works and to distribute the gas for fuel, not only throughout these towns but to every farmer who lives within a radius of three miles from any town.

The gas thus distributed will be of service principally for fuel and it is the aim of the company to furnish fuel at far cheaper rates than those which prevail where coal or wood is used.

Already one million dollars have been subscribed towards this enterprise and it is expected that not less than three million barrels of crude petroleum will be used each year by the company.

Two thirds of the stock of Kern River is in escrow pending its sale at $20 a share to a syndicate composed of Baker & Hamilton and Eastern capitalists. At $20 a share the price of the company's leases is $400,000. The holdings consist of 160 acres at McKittrick, among the most valuable lands in that district; sixty acres in 4, 29-28, and eighty in 28, 28-28. It also owns and has leased at a one-seventh royalty twenty acres to the Four Company, forty acres to the Black Jack and forty to the Wolverine, all in 4.

The Esmeralda Oil and Development Company: : :

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We are now boring and rapid progress is being made.
As our test well struck oil at 32 feet it assures our future.

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No Salaries paid to officers. Treasury funds to be used for development purposes only. Limited number of shares to be sold. Stockholders are fully guaranteed against loss.

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SOUTH OF THE RIVER.

The Kern River District is Rapidly Enlarging.

The PACIFIC OIL REPORTER has repeatedly called attention to the oil probabilities of that portion of the Kern River oil district which lies south of the river. There is no reason to doubt but that this great body of land, containing thousands of acres, is just as rich in oil as the territory which lies north of the river and which has been made famous by such wells as the San Joaquin, Reed Crude, Sterling, Peerless, Grace, etc., etc.

Steadily the district has been pushing south and west, the last wells to be successfully completed being the Arizona Western and El Oro in 29 27.

A look at any map giving the completed wells in the district shows that the line dividing townships 28 and 29 runs through the most prolific portion of the district, and also it shows that more new discoveries are being made south of this line than north of it. In other words, during the last few months more new territory has been proven oil land in township 29 than in township 28.

One does not have to go a mile and a half from Bakersfield now to see producing wells, while six months ago a ride of several miles was necessary before a derrick was reached.

Last week the Bakersfield Californian contained the following:

The fact that the south side of the river is coming to the front in the opinion of prospectors for oil, is seen particularly in the lease recently acquired by the Wizard company from William Tyler, on a quarter section in 26, 29-28, which lies along the low foot hills, about four miles from the stream. The Wizard begins work as soon as rigs can be secured and will start with a hole large enough to take it down 2000 feet, although there is no fear that this extreme depth will be found necessary.

The same paper, in the same issue, also says:

The Acacia on 10, 29-28, is tied up by reason of the presence of a sand pump at the bottom of the hole. Before the tool was lost the strike had been demonstrated to be a true one, and there is now no doubt that the lease is on the belt.

Referring to the territory south of Kern river, the oil writer of the Bakersfield Echo has this to say:

"This side of the river is now beginning to atrract the attention of oil men in a way it would seem it should have done long ago. They have gone east and north with scanty or no results, when all the best wells on the north side were those nearest the river, clearly indicating, it would seem, that the best prospecting ground was on the opposite side. There are reasons why it may be necessary to go deeper, but usually, where the oil formation lies lowest, are the most productive wells. Before any marked attention had been directed this way, oil had been found in more than one place, but it seems the boring outfits were inferior and good wells could not be opened. Now some fine rigs are at work and the value of this part of the oil field will soon be determined. In the meantime land is eagerly sought after and high prices paid. It is the universal belief of the people of Kern City that they are living on oil land, and demand for vacant lots is increasing.

Among the companies now operating in different sections in 29 28 are the following:

On section 10 are Snook & Finch, the Acacia Oil Co., Fox-Brundage.

On section 15 are the Kern King, the Caspian, and King Solomon Oil company.

On sections 13, 17, 19, 21, 23, 29, owned by the S. P. R. R., all land not sold has been withdrawn from the market on the advice of J. B. Treadwell, superintendent of wells on 3, 29-28, where there are over forty completed wells.

Section 22, Mining lease.

Section 33, King Solomon, "23" Oil company.

Section 24, "24" Oil company, entire section.

Section 26, rig to be erected immediately by people associated with Bakersfield "Echo."

Section 22, Pipr & Wright, three rigs up.

Section 21, Mr. Piper reports eastern parties to begin operations at once.

Section 7, West Shore Oil company; directors have formed the Piedmont Oil company, and leased the section to the company.

Section 2, Reed Crude; forty acres sold at $500 an acre, Jan. 12.

Section 5, the Cortez, now drilling.

Section 10, the Electric, now at work moving rig.

Section 11, the Spring will commence drilling in a few days.

Section 17, the Silver King will drill next week, if not already at work.

Section 8, the Golden Rod has oil in the well but is going deeper.

Section 8, the Grace Oil company is starting two wells and is prepared to go 1500 feet if necessary.

Section 36, the River Extension company just incorporated, and purchased outright the NE ¼ of section 36, 29-28. Company now comprises 32 prominent San Francisco people; have paid for land and have money in treasury to start operations at once; capitalized for $500,000; shares at $1; practically a close corporation.

Section 26, the Wizard Oil company which will be at work in a few days.

The above is but a partial list of the oil companies that will soon be drilling south of the river. Already oil enough has been struck at a slight depth to prove its existence in quantities at a greater depth, and it is known that although it may be necessary to drill a little deeper than is required on the other side of the river, that the oil obtained will be of a better quality, and will consequently command a higher price. It is a well-established fact that "the deeper the well, the better the oil." Consequently although it has been demonstrated that it will be necessary to drill to a greater depth south of the river, than north of the river, the extra expense thus incurred is more than compensated for by greater value of the oil, which not only commands a greater price but is in greater demand than an oil of less gravity.

It may be mentioned as a fact significant of the probable importance of the territory south of the river as an oil-producing district, that H. W. McCray, one of the leading surveyors and land experts of the state, and for fifteen years prominently connected with the Kern Co. Land company has recently incorporated a company which has obtained control of the entire portion of 24, 29-28, and which proposes to commence immediate development work.

Unless the opinion of the best oil experts is at fault "south of the river" will soon be regarded as a most important portion of the Kern River oil district, and the value of its land will soon equal that of the territory north of the river, held now at the rate of from $1,000 to $5,000 an acre.

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A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

For prospectuses or information apply to agents or to

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Organized Under Laws of Arizona

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Our Record!

Dec. 13, '00, Incorporated.

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300,000 Shares in Treasury——50,000 Shares All We Sell

PRICE, 15 CENTS PER SHARE

Our Company will be as near a close corporation as possible; therefore will sell only a small amount of our treasury stock. We put it at the price to sell quickly, and price is subject to raise at any time. Our land is situated in the **heart** of the **Oil Belt** of San Luis Obispo and Monterey Counties, and has been experted by State Mineralogist Cooper and other noted experts, and by them pronounced **absolutely sure of Oil.** Capital stock, 750,000 shares; par value, $1.00.

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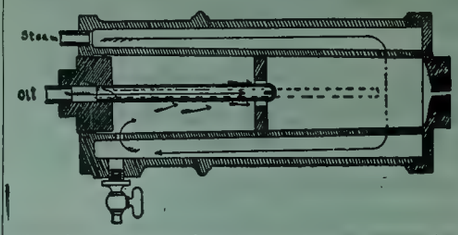

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Owns 1200 acres in the best part of the the Oil City District, Fresno County The land to be developed first lies but two and a half miles from railroad station No sand in the oil in this district, the oil being of a higher, finer grade than further south.

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Oil Land For Sale

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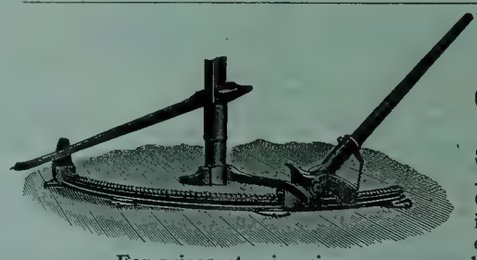

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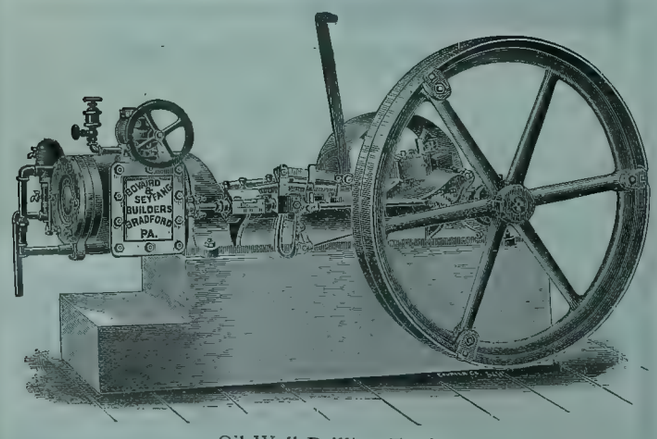

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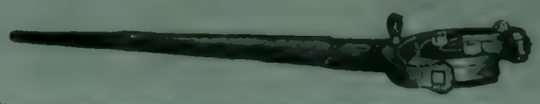

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Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository. Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

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Capital $500,000
200,000 shares at $2.50.
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CALIFORNIA OIL AND GAS CO.
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200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
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Capital $500,000
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Capital $100,000
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Office—Room 40, Nevada Block, San Francisco.

FAMOSA OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Abro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Ice 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directort—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GRAND PACIFIC OIL CO.
Capital $1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
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Capital $250,000
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125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland

GREAT NORTHERN OIL CO.
Capital $600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer
Office: 783 Market street, San Francisco.

INDEPENDENCE OIL CO.
Capital $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office, Room 435, Parrott Building, S. F.

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316. San Francisco.

LINCOLN OIL COMPANY.
apital $200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig,
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MADERA CRUDE OIL CO
Capital $100,000
100,000 shares at $1.
Location, NE¼ section 29, and NE¼ section 35, township 11, north, range 24, we st, S B B and M, Sunset district.
Officers and Directors: W C; Tighe, president; Joe Bancroft, vice-president J L Ragesdale, treasurer; J E Chapin, secretary; W W W Hunter; J N Goode, W A Waddell.
Office, Masonic Temple Building, Madera, Cal

M. C. Nunan, President. M. L. Culver, Sec. Daniel Meyer, Trs.

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J S POTTS OIL, LAND AND DEV. CO.
Capital $600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; C T Henderson. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. 500,000 shares being sold at five cents per share; 2 wells drilling, 5 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital ..... $200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

MONTEREY OIL DEVELOPMENT CO.
Capital $1,000,00
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository.
Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 500,000 shares.. ...par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hallstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W F Amanna, general suerintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hallstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

PETROLEUM CENTER OIL CO
Capital $500,000
500,000 shares at $1.00
Incorporated, October 18, 1899.
Land, 540 acres in Kern River District.
Directors and officers—President and Treasurer, H Van Bergen, Vice-President, Samuel Richmond, Secretary, G. S. Clark, M. J. McGarry of Los Angeles, Wm. Hanson, Jas H Borland,
Office—Room 29, Third floor, Mills building, San Francisco

POINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer: I W Taber, President Taber Photo Co, Secretary Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Beston vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo Easton, J L Rathbone, C S Benedict.
Office: 638 Market street. San Francisco Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E. first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett, attorney, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, towships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half sec. 11 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; H A Potter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose. Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY.
Capital $500,000
500,000 shares, at $1 00 each.
Incorporated, July 31, 1900.
Land, 290 acres, in Sunset and Kettleman Districts.
Officers and directors—Ambrose Harris, secretary; Tyree A Bell, superintendent, John L Greer San Rafael, W B Taylor, San Rafael, D C Campbell, Los Angeles, A H Brod, Paul Redfield Lewis, L Barrere, San Francisco, H L Gear Frank N Stone, attorneys, Germania Trust Company, treasurer,
Offices 611 612 613 Hearst Bldg, San Francisco.

SURETY OIL COMPANY
Capital $600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5000 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president, W Dixon, vice-president, J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block, Bakersfield, Cal.

THREE STATES OIL CO Limited.

Capital $1,000,000
1,000,000 shares at $1

Location: 240 acres in McKittrick and Sunset Districts, Kern county.

Officers: Hon John H Shine, president, W R Thomas, 1st vice-president T A Bell 2d vice-president, Ambrose Harris secretary, E S Tutt Gen E P Colgan, I N Pattison, M P Levy

Office—612 Examiner Building.

THE RAVENOIL COMPANY.

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each Locations 160 93 100 acres in south half of south half of south half section 6, 28-25, and lots 1, 2, 3, and 4 containing 204 acres, same section, Kern River district. Officers—Hon John R Aitken, president, C H Congdon vice-president C H Quincy, secretary, D G Overall, superintendent, Paul C Pisch Bank of Bakersfield treasurer

San Francisco office—Hon John R Aitken, Chunie building, 503 California street.

U. S. OIL AND MINING CO

Capital.....$300,000
Par value, $1 per share.

Location 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, nes Monarch, adjoining Jewett, Blodgett & Beal gusher. L M Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO.

Capital.....$500,000
100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers: Claus Kroeger president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone—Main 671

XLNT OIL COMPANY.

Capital stock.....$500,000
500,000 shares, par value, $1 per share.

Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M

Office--- 552 Parrott building, San rancisco, Cal

YUKON CRUDE OIL CO.

Capital.....$250,000
100,000 shares at $2.50

Location, Los Angeles county.

Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.

Office 638 Market street, San Francisco

FOR SALE

We have leasehold interest with right to purchase, subject to one-eighth royalty, the southeast quarter of Section 20, 28-28. We will sell in 20-acre tracts or as a whole. We have also leasehold, with right to purchase, the southeast one-quarter of the northwest one-quarter of Section 32, 28-28. For terms address

OMAR OIL CO.

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E. V. BUCKOW, President. R. D. HEALEY, Vice-President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository

——The lands are located as follows:——

Great McKittrick	160 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	160 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

Drilling on Section 10, Township 30 S, Range 21 E, McKittrick District, to be commenced early in March. This property is adjacent to the largest producers in the State.

The first block of stock is now selling rapidly at 25 cents per share. The second block of stock to the amount of 100,000 shares will soon be on sale at 50 cents per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non - Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages:

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts, as follows: Sunset and McKittrick District, Kern County; Coalinga District, Fresno County; Kettleman District, Kings County, and Contra Costa County.

SECOND—Stock is absolutely Non-Assessable.

THIRD—Large Capitalization by which successful development in absolutely assured.

12,000 Shares Sold in One Day.

One hundred thousand shares sold in less than three months. Second 100,000 shares now selling rapidly at $1.00 per share; when sold 3rd 100,000 shares will be placed on the market at $2.50 per share

The officers of the company are all well-known business and professional men. A. G. Deardorff, President; J. M. Merrell, Vice-President; John Choice, Secretary; Wells-Fargo Bank, Depository; F. A. Berlin, Attorney; Franklin Person, Superintendent Agencies. Directors: J. M. Merrell, E. H. Baxter, J. A. Miller, John Choice, J. C. Sala, F. A. Berlin, R. L. Rigdon, A. G. Deardorff.

Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

to be taken from the Library. ....

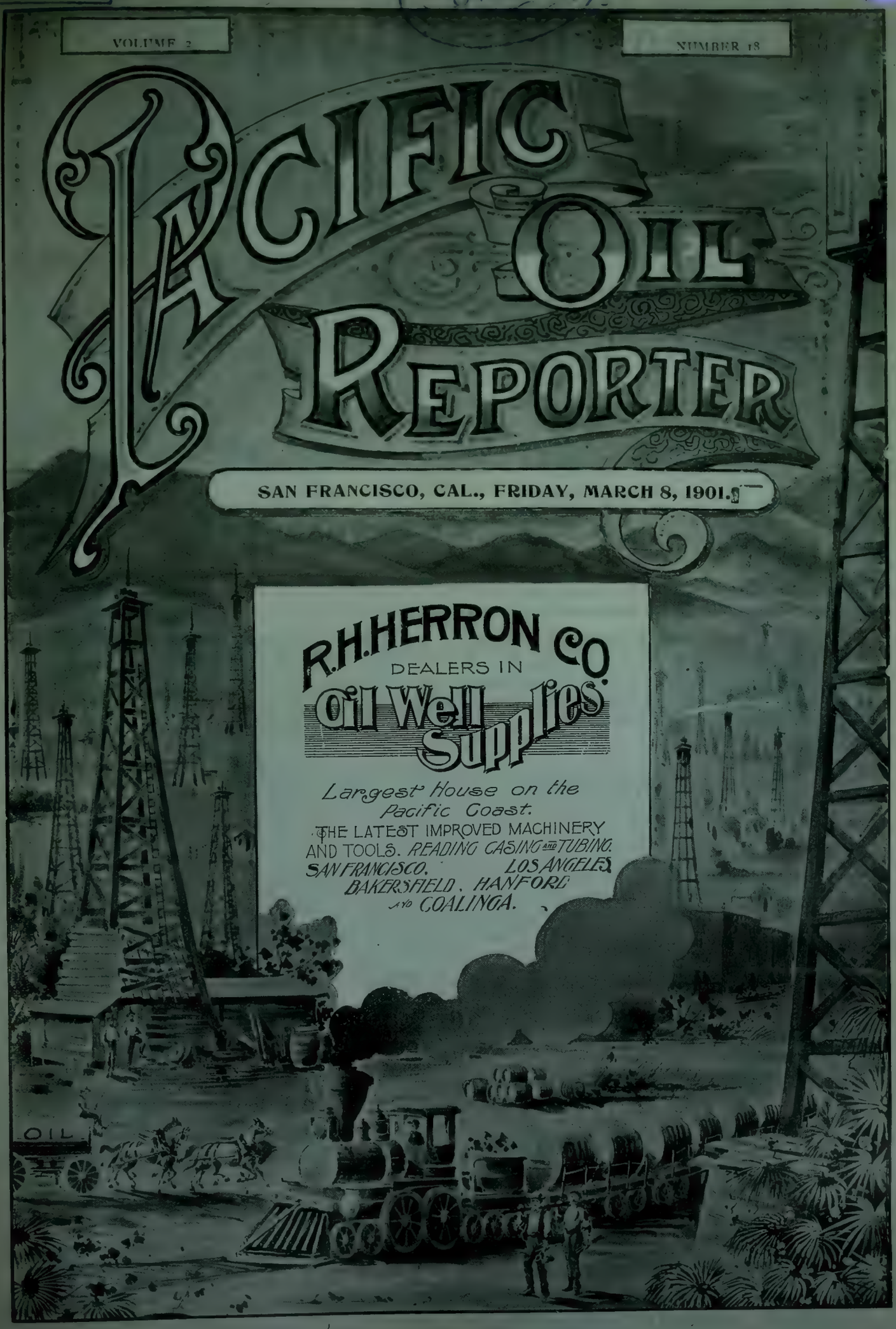
Endorsed by the California Petroleum Miners' Association.

CALIFORNIA STATE

VOLUME 2 NUMBER 18

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MARCH 8, 1901.



2,000 MORE SHARES OF

Sovereign Stock at 75 Cents Each

THREE DRILLING RIGS AT WORK

Location of land and management are two essential points to be considered before investing in oil stocks—both are factors in measuring profits. Progressiveness in management is necessary for quick returns. The Sovereign Oil Company was incorporated on October 15th last TO DRILL FOR OIL. It now has two completed wells (capacity 300 barrels) and well No. 3 is down 400 feet. Rigs are being moved from wells No. 1 and 2 to derricks 4 and 5, and wells No. 4 and 5 will soon be under way. Orders will be received for 2000 shares of development stock in order of receipt. Prospectus and Maps if you wish them.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

UNDER DIRECT MANAGEMENT OF H. H. BLOOD AND WILLIAM ELLERY.

KERN VALLEY OIL COMPANY

Great Opportunity for investors in oil to get in on the ground floor.

6,600 acres of land. Three wells to be bored at once

Cottonwood District, Kern County, Cal., is fast advancing to the front. Will be the largest producer soon.

HOW STOCKS HAVE ADVANCED

The following table shows how a few of the many oil stocks have advanced, mostly within three to eight months' time from commencing:

	Started at per share	Advanced to per share
Oceanic Oil Company	$ .40	$ .83
New Century Oil Company	.25	1.00
Black Mountain Oil Company	.05	1.50
Central Oil Company	.30	1.50
Fullerton Con. Oil Company	.50	1.90
Home Oil Company, Whittier	.25	2.50
Sterling Oil and Dev. Company	.50	2.25
Dillon Oil Company	.25	3.50
San Joaquin Oil Company	$ .50	$ 9.25
Kern Oil Company	.35	10.00
Kern Kiver Oil Company	.50	21.50
Alcalde Oil Company	.50	150.00
Kreyenhagen Oil Company	10.00	350.00
Columbia Oil Company	115.00	400.00
Home Oil Company	100.00	5000.00

Kern Valley oil stock will be $1.00 in a short time.

Investors Absolutely Protected

WE OWN OUR LAND

The Kern Valley Oil Company is incorporated under the laws of South Dakota. Its stock is absolutely non-assessable; so you take no chance of losing your stock by assessment after once having bought it. The capitalization is 500,000 shares of par value of $1.00 each, with 200,000 shares in the treasury. Our officers and directors, of whom there are eleven, are men of marked integrity and business ability. Our lands have been selected with care by competent oil men, are among the best in the various districts in which they are situated, such as parts of Section 7, 28-28 and 24 Township 28, North, Range 27 East, in the Kern River district, besides many other choice locations in Kern River district and Cottonwood district, Kern county; also lands in San Diego, the Sunset, Poso and Glenn County disricts. We will have a drill going on our lands in about 30 days, besides we are contracting for the sinking of two wells at once with parties who are ready to go to work. We now offer fifty thousand shares at 10 cents each. This stock will soon advance to 25 cents. It is going fast. Lands for sale or lease on the most reasonable terms.

OFFICERS—W. E. ADAMS, President. IRVIN D. MARTIN, Vice-President.
F. R. DEREMER, Secretary. UNION TRUST CO., Treasurer. J. H. EDSON, Manager.
JUDGES GOLDSBY and DAY, Attorneys.

Office Kern Valley Oil Company

Room 13, Mills Building, 5th Floor, San Francisco, Cal.

PACIFIC OIL REPORTER

VOL. 2. NO. 16. SAN FRANCISCO, CAL., FRIDAY, MARCH 8, 1901. PRICE, TEN CENTS

OIL FOR MOUNTAIN MINES.

Cheaper than Wood, Water Or Electricity on the Mother Lode.

During the coming season some of the biggest gold mines of Amador county in the mother lode region on the Sierra Nevada slopes will begin using fuel oil as a source of power.

This is an exceedingly interesting and significant feature of the rapid progress that fuel oil is making in California, for the circumstances are exceptional and striking. The mother lode mines of that county are ten to fifteen miles from the nearest railroad point, that of Ione. The railroad charges to Ione are higher than to San Francisco, one quarter of a cent per gallon being added for the haul over the branch road, making a tariff of 1¼ cents per gallon from the valley fields. The oil must then be hauled over mountain roads to the mines.

Yet in this case oil can be used at the mines far more cheaply than wood in creating steam power. What is more striking is the fact that under these conditions steam generated with oil is the cheapest power right amid the great water and electric power plants of the Sierras. Water power is the cheapest known under favorable conditions and the most wonderful aggregation of water powers in the world, equaling the energy of many Niagaras, is distributed all along this great mountain slope, but the water that is flumed long miles to these Amador mines cannot compete with fuel oil.

These splendid water powers present ideal conditions for electric power plants and long distance transmission lines. Electric power has been regarded as the future industrial salvation of the state and it will see a rapid and enormous development. Already the electric power plants of this state exceed any in the world in length of transmission and the Standard Electric company operates a line from its Blue Lakes plant past these mines that are now to adopt fuel oil within a short ride of the source of electric power.

A number of the deepest, greatest and best known mines of the mother lode are strung for ten miles or so from a little south of Jackson through Sutter Creek and on to a little north of Amador City. Between the Zeile and the great old Keystone may be mentioned the Kennedy, Argonaut, Wildman-Mahoney, Oneida, South Eureka, Lincoln, and others. Here may be seen some of the finest mills, the deepest mines and most efficient mining practices in the state. These great mines are managed by such skilled and widely known superintendents as J. F. Parks, E. C. Voorhies, F. F. Thomas, John Ross, Jr., W. F. Detert, W. H. Storms, W. A Prichard, J. E. Dye, John Truscott, et al.

Such mines are operated with the closest care of every economy that may reduce the cost of mining and milling by a cent per ton. It is not in such mines that cents are saved in the mill while dollars are wasted in the power plant. These superintendents have been and now are investigating carefully the fuel oil problem and have generally decided already in favor of oil.

It must be remembered, of course, that in a mining or any other power plant many conditions determine the question of economical power. The particular conditions of this Amador county group of mines make oil the cheapest as things now stand. Undoubtedly many mines elsewhere will find in favor of fuel oil, though a majority will not. The chief significance of the circumstance is the striking evidence of the ability of fuel oil to compete with wood, water and electricity under such a situation.

Specific information regarding the situation is given in the accompanying article written for the PACIFIC OIL REPORTER by Mr. W. A. Prichard, superintendent of the Keystone mine, Amador City.

POWER AND FUEL IN AMADOR.

Comparisons of Cost Show an Economy in the Use of Oil.

By W. A. PRICHARD, Supt. Keystone Mine.

In Amador County over 400 stamps are dropping at the dozen or so gold mills. Several large mines and a great number of small ones are operating without mills. It is estimated that over 3,000 horse power is consumed in mining enterprises.

The largest mines are about ten miles from the nearest railroad station, Ione, terminal of the branch road from Galt on the Sacramento division of the Southern Pacific.

No mine in the county is yet using oil, but it is expected that when the road opens up in the spring nearly all will begin burning oil for steam purposes. The roads in winter make it difficult to make regular trips with freight wagons and so it will be necessary to have large storage tanks at the mines for storing several months' supply of oil.

Steam power is used more than any other. Steam is almost universally used for hoists and pumps. Water, electricity and distillate are used at the mills.

Power is available from the following sources: Steam, using wood, coal, lignite or oil fuel; electricity, water, oil engines.

STEAM.

WOOD.—Pine wood is universally used in the county for steam purposes. It is delivered at the mines at from $5 to $6 per cord. The use of wood for fuel is objectionable in many particulars. The supply is irregular and many of the woodmen are unreliable. The same wood is frequently contracted to several different mines. It is troublesome to buy wood in small lots and to deal with a large number of contractors. The wood requires a good deal of space and must be piled and measured. Much loss is caused by burning wet and green wood. In addition to the first cost of wood there is an

Continued on page 4.

CALIFORNIA'S NEW MONSTER OIL TANK CAR.

The accompanying half-tone is the first picture of the new double-size oil cars of the Southern Pacific company to be published. This monster tank car has but recently begun its service and is to a considerable degree an experiment. Fifty will be built at the Sacramento shops but whether or not they will come into anything like general use will depend on the experimental experience of the next few months.

This new Jumbo of the petroleum trade is appropriately a California production. The capacity of railroad tank cars and the measurement of oil quantities generally by railroads are expressed in gallons. The capacity of this car is 13,000 gallons or 328 barrels. The capacity of the standard oil tank car is 6,000 gallons or about 143 barrels.

Aside from the increased capacity, the chief new feature of the car is the shape of the tank, it having a flat bottom instead of a cylindrical form. The strength of the materials of construction is naturally increased. In the ordinary tank car is room for a passage-way on each side of the tank. In the new car the tank occupies the whole width of the car and a passageway for brakemen is placed on top of the tank. The expansion dome above the tank and the arrangements for loading and unloading are as usual.

This attempt to increase the economy of transportation by increasing the capacity of the car is in line with the tendency and successful policy of American freight transportation companies in recent years. The capacity of coal, ore and ordinary freight cars and the power of the engines that haul them have of late years been one of the notable distinctive features of American railroads. In the case of these new tank cars, one thing which makes them experimental is their great weight. The cars themselves are necessarily very heavy and 13,000 gallons of oil makes a load of about 50 tons. The management of a train of such heavy cars on grades and the greater time required for loading and unloading are among the matters to be considered.

Master of Transportation Richardson states that the Southern Pacific company now has 417 oil tank cars in use in this state. At the Sacramento shops fifty 6,000-gallon and fifty 13,000-gallon cars are being built. Negotiations for several hundred new cars are pending in the east. There is thus in sight a comparatively early relief of the transportation troubles of the oil producers.

expense of about $.50 to $1.00 per cord for items mentioned above and for delivery to the fire-box of the boiler.

The cost of steaming with wood ranges from $10 to $20 per horse-power per month. The price varies with the size, efficiency and character of the plant. The expense per unit of work is greatest for intermittent engines such as hoists and saw-mills.

COAL.—The use of coal is prohibited by the expense of freight and hauling. Cheaper freight rates or the extension of the railroad to the mines would make coal cheaper than wood.

LIGNITE.—Lignite or "Carbondale coal" is mined at Carbondale, about twelve miles from the mines. Ex-Senator Voorheis used it at the Lincoln mine and reported it to be equal to wood in all particulars. Cheaper transportation is necessary before lignite will be important in the mining district.

OIL.—The introduction of fuel oil in this vicinity will lessen the cost of steam from 25 to 50 per cent where wood is used. Freight on oil from Bakersfield is about $.50 per barrel to Ione. From Ione it will cost from $.40 to $.60 per barrel to haul the oil in tank wagons to the mines on the "mother lode" in this county.

One cord of pine wood is equal to about 100 gallons of oil, or from two to two and one-half barrels. Better economy can be practiced in the use of oil for steam than is generally practicable in wood burning. With the introduction of cheaper fuel in the mining districts will come increased mining operations and an increased use of steam. At the same cost steam is preferable to any other power for mine hoists and air compressors.

The Oil Producers' Association and the Standard Oil company are both figuring on a market for fuel oil in this district. Storage tanks will probably be built soon at Ione. There is some probability of the railroad being extended in this direction. It is likely that the cost for power will be about $6.50 to $8.00 where oil is used on a large scale.

ELECTRICITY.

The Standard Electric company propose to furnish power in Amador county. Electric power is very satisfactory for mills and rock crushers. Three mills are now using electric motors.

No record has been obtained of the actual cost per horse power of the power bought from the Standard Electric company. Although the price ($6.50 per horse power) is based upon meter measurement, the power is computed from measurement of the current and the rated voltage of the line and not upon the actual power delivered. An allowance of 10 per cent is deducted from the computed power. It is probable that the actual horse power will not cost over $, or $8 per month.

WATER.

Water has not yet been replaced by cheaper power at many of the mines. There are two water companies operating in the county. The pressure head is generally under 300 feet. Water is sold at 15 cents to 20 cents per miners' inch per day. The inch is a little less than 1.4 cubic feet per minute. The cost per horse power runs as high as $15 to $20 per month, though it is generally $9 to $12.

OIL ENGINES.

Distillate can be used very economically for all processes that have intermittent loads or that require constant speed. Twenty stamps have been run very satisfactorily at the Keystone mill.

Oil engines are especially economical for rock crushers. The admission of the explosive fluid is automatically regulated by the load, and thus a great saving of fuel is accomplished when little or soft ore is passing the crusher.

Gasoline is better than distillate for hoists on account of its greater inflammability. It will explode in a cold engine. The engine can therefore be started more readily than when the cheaper oils are used. Distillates will develop more power than the more inflammable gasoline and can be bought at a lower price. It is therefore cheaper for continuous running.

The cost per horse power for distillate or gasoline engines varies with the market price of the fuel. During the past two years it has varied from $8 to $10 per month.

Tests of Texas Oil.

Opinions differ as to the value of the product of the Texan spouter but there seems to be a unanimity of opinion that it comes into competition with coal rather than illuminating stock. As to color and fire test it is of such low gravity and bad odor that under no condition could it be sold as such; that the low viscosity makes the distillate undesirable as a lubricant, and as a fuel the terrific odor of the crude would prevent its use in a populated center.

In contradiction of these opinions an analysis of the oil by the State University of Texas, proves it to be of a very high grade, and is of the kind best suited for lubricating purposes. The result of the analysis, it is held, dispels all doubt of the commercial worth of the oil.

As to its lubricating qualities there remains much to be learned. A test made by the Emery Manufacturing company of Bradford, is anything but flattering to the product, as the results lead to the expressed opinion that the benzine obtained, one and a half per cent is so limited as to be unprofitable and so inferior as to be barred from general use, that as an illuminant, the distillate is all right. The crude is a very refractory article, strongly impregnated with sulphur, and when cooled to seven degrees below zero failed to show any traces of paraffin. It is an asphalt oil of very heavy gravity, and much inferior to the California product for fuel purposes. It contains more sulphur than Lima oil, and according to Mr. E. J. Quigley, of Oil City, even ranks far below the best grades of Russian oil. It is 23.3 gravity, and shows no signs of clouding or congealing at zero temperature. The crude oil flashes at 120 and burns at 180.

The ultra favorable opinion as to the value of the new oil is that of Capt. James Tate, of Baltimore, who is quoted on an Austin dispatch as saying that the papers have not been doing this oil justice. "The oil is possessed of a very heavy body and closely resembles the West Virginia natural lubricating oil," said he. At a nominal cost it can be utilized for lubricating purposes, and as such is the most valuable oil which could be found. As a lubricating oil it is worth $10 per barrel.

Sunset's Biggest Well.

The Colorado and California is now supposed to have the biggest well in the Sunset district, according to the Californian. The tar sand was reached a few days ago and now the second stratum has been struck. As soon as the tools entered this, the oil began to flow and lifted the 500 feet of water out of the hole. It has continued to flow since, the oil wasting down the canyon, no provision for storing so great a quantity having been made.

The location of the well is in the northern portion of the field on section 35, 12-24 where the company has a forty acre lease. The horizontal character of the formation in this neighborhood promise favorably for this company and the adjoining operators. Adjoining the lease is that of the J B-B company No. 3, on the east and west sides; the Jewett and the J-B-B company No. 2, cornering; the operators on the north; the J-B-B company No. 2 on the south.

Assessing Oil Land.

The Californian of Bakersfield has interviewed County Assessor Jameson of Kern and learned from him that he will fix the rate of valuation on lands in the heart of the Kern River district at $1000 an acre. The heart of the district, according to Mr. Jameson's opinion, consists of sections 3, 4 and 5 in 29-28, and 33, 32-31 and portions of 30, 29, 28 and 34 in 28-28, and portions of 24 and 25 in 28-27. Where drilling has demonstrated that the thickness of sand is not so great as in those sections mentioned, the rate will be correspondingly lowered. The subdivisions that are patented will be classed, of course, as real estate, but those tracts that are not patented but are held under filings, will be listed as personal property under the provision of the law making it mandatory upon the assessor to assess the possessory interest and to collect the tax levied at the time of making the assessment.

Took His Cars.

Here is a little story for which the Bakersfield Californian vouches: Not long since John A. Bunting, the well-known pioneer in the Kern River oil fields, went east and purchased twelve oil cars which he proposed using in the shipment of the product from the companies in which he is interested. When the cars arrived here Mr. Bunting met with a disappointment. The railroads would not haul them but the Santa Fe took them off his hands, relieving him of a large white elephant. As is generally known, there is an intense struggle on in the field among the producers, and whenever one of them receives a car he is tickled half to death. If he fails he is equally unhappy. Last week those twelve cars were hauled out to the field for the first time. They were big and red and brave looking, and each of them was distinguished by the letters "J. A. B.," the initials of some one. But not one of those cars was set out for John A. Bunting. His neighbors took them all.

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ALONG THE COAST.

Scientific View of San Luis Obispo County.

In reference to San Luis Obispo county, the Mining Bureau report says that portion of the Coast Ranges embraced within the boundary of San Luis Obispo county is characterized particularly by extensive deposits of bituminous rock. There are also to be found numerous springs of a thick, tar-like oil. Under some circumstances the oil from these springs has impregnated sandstones forming bituminous rock; under others it has accumulated in great quantities on the surface, as in the valley of Tar Spring Creek. The source of the oil is to be found in a formation which once covered nearly the whole area of the county, but which has now been in a great measure removed by erosion. This oil-producing formation belongs to the lower part of the Middle Tertiary period, and is known as the Monterey formation. It is composed of sandstones, limestones, clays, and hard silicious shales. Investigation has shown that the limestones and silicious shales are the source of the oil and other bituminous products. The rocks are in a great part of organic origin, having been formed of the skeletons of fish and microscopic sea organisms. In some places the oil-producing rocks are nearly a mile in thickness.

Through a long-continued process of distillation brought about through the influences of pressure and heat, the organic matter has been driven off and in places preserved. Conditions for its preservation are in part furnished by porous rocks, such as sandstones and sandy shales. The oil producing formation is at present found forming the main portion of the San Luis range, extending from Point Buchon southeasterly passed Arroyo Grande and toward the Sisquoc. That portion of the Santa Lucia range lying east of Cuesta Pass is also formed of the same shales. Another belt runs nortwesterly past Santa Margarita and down the Salinas valley. These rocks swing around the northern edge of the low granite mountains lying east of the Salinas river, and undoubtedly underlie the Estrella region. Going south toward La Panza, upon the northeastern side of the San Jose mountains, extensive outcrops of these rocks appear. They dip easterly under the valley of the San Juan, and there is every reason to suppose that these oil-producing shales underlie much of the Carrisa plains and the Temblor range, separating these plains from the San Joaquin valley. They thus appear to connect with the oil-producing regions of Kern county. It must be borne clearly in mind in exploiting for oil that this oil producing formation, whose extent has just been described, is not necessarily the best one in which to drill wells. Although the thick oil is distinctly seen issuing from this formation in springs in the San Luis and Santa Lucia ranges, yet it can only be found gathered in commercial quantities in those rocks which are of a nature sufficiently porous to permit of its absorption. On the Tar Spring creek, as well as on the Huasna river, heavy beds of sandstone are associated with the oil-producing shales as a part of the same formation, and it would seem that conditions might be favorable in this region for oil-wells in the oil-producing formation; but in other parts of the county oil can be found only where another and younger formation occurs overlying the oil shales. It is to this younger formation that we owe the presence of the great deposits of bitiminous rock in the vicinity of Edna, where this formation consists essentially of porous sandstones. The formation is termed the San Pedro and belongs to the upper division of the Middle Tertiary. The San Pablo formation forms an elongated basin-like syncline reaching from a point on the Marre ranch about one mile northwest of Sycamore Springs southeasterly to Arroyo Grande creek. The base of this formation, resting directly upon the oil-producing shales, is almost everywhere filled with an oil now so thickened that it constitutes the bituminous rock of commerce. Upon the Marre ranch along the ocean cliffs southeast of Mallagh Landing, and in the vicinity of Edna, the outcrops of bituminous rocks are particularly prominent. In the past years quite a number of wells have been drilled in San Luis Obispo county, but the most of these have been so poorly located that, as yet, we cannot assert that this field has been fairly prospected. That vast quantities of oil have been formed here is certain; that it is forming today through chemical action and heat is equally certain, but as to whether it will be found in quantity in a thin condition, we have as yet no definite evidence. It may be that in this region the oil has a greater proportion of permanent base than in other sections. More investigations, however, are required to settle the matter.

In drilling wells it is very important to pay attention to the geological conditions. Those locations must be selected where the geologic structure indicates that the proper rocks will be penetrated by the drill. Much useless work has been done in this section because of lack of precaution in this regard. It is certain that the supply of bituminous rock in the southern part of the county is very great and further exploitation may show oil thin enough to pump. Indications are certainly favorable. In the northeastern part of the county there is a vast field underlain by the oil-producing rocks which is worthy of practical investigation.

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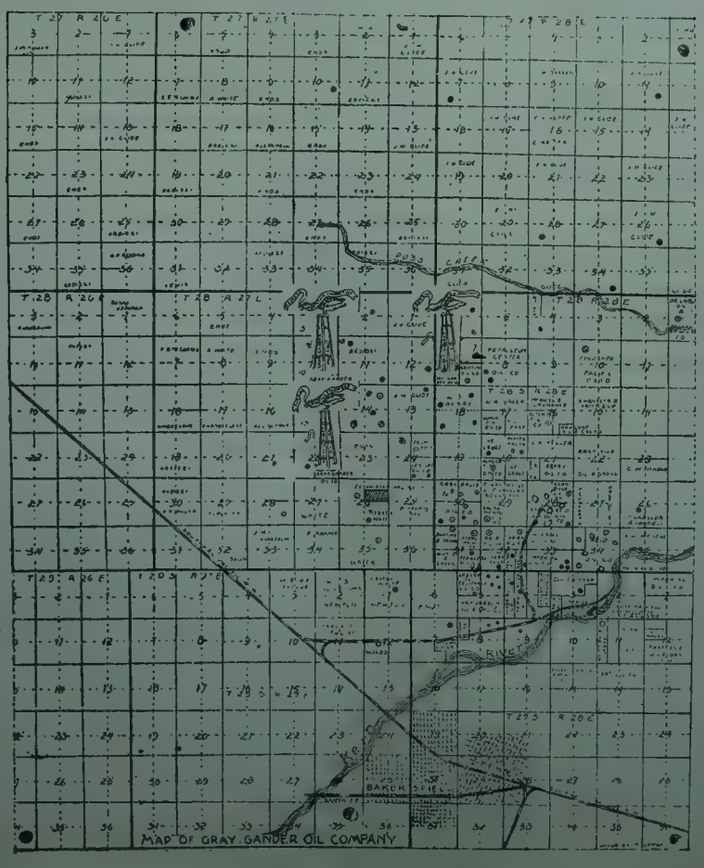

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Oil for the Mines.

One of the most interesting recent demonstrations of the opportunities and economical efficiencies of fuel oil in California is presented in other columns of this issue, wherein are set forth the decision of leading mother lode mining companies of Amador county to substitute oil for wood and the advantages of steam generated with oil over water and electric powers in that region.

The able superintendents of a group of the leading gold mines of the state have been investigating the merits of petroleum fuel with the aid of the Standard Oil company and the Oil Producers' Association, and while contracts have not yet been made, it is known that all have realized that there is an important saving in sight and that during the coming season much oil will be pumped from the ground in the valley to get gold from the ground in the mountains.

One of these superintendents, Mr. W. A. Prichard, an able and progressive young mining engineer, who has made a brilliant record in the management of the Keystone mine, in reporting on the power situation there for the PACIFIC OIL REPORTER, states that "The introduction of fuel oil in this vicinity will lessen the cost of steam from 25 to 50 per cent where steam is used," and that "It is expected that when the woods open up in the spring nearly all (the mines) will begin burning oil." His clear exposition of the comparative costs of power is very interesting. Steaming with wood costs $10 to $20 per horse-power per month; electric power will cost from $7 to $8 per month; water power runs from $9 to $20 per month, and it is calculated that steam raised with oil fuel will cost $6.50 to $8—the cheapest showing that can be figured out.

Yet oil will cost at these mines the price at the wells plus 90 cents to $1.10 per barrel for transportation. The railroad haul to Ione is twenty-five per cent more than to San Francisco and there will be a costly haul of ten to fifteen miles over mountain roads. The mines will pay nearly double the price to a San Francisco consumer, and this is near the sources of water and electric power. Oil can assume that handicap and compete with electricity within a few miles of the source of the electric power that is coming to the bay to compete with still cheaper oil here

This matter is not so important for the amount of oil consumption promised as for the economical lesson it points and the advertisement of the advantages of fuel oil it should effect. When oil can win its way under such conditions and with such men of high technical skill it should arrest the inquiring attention of power users where the conditions are still more favorable for oil and the possible economies much greater. It should inspire confidence in the future of fuel oil. "With the introduction of cheaper fuel in the mining districts will come increased mining operations and an increased use of steam," pertinently observes Mr. Prichard. That can be paraphrased for the rest of the state. Mr. Prichard's paper deserves the interest of every mining engineer and also of every benighted Gentile of the realm of mechanical power, and it is interesting to note that the two fields of the mining industry—the petroleum and others—are getting still closer together.

Twenty Acres or More?

The Stewart Petroleum Lands Bill is naturally arousing much interest among oil men, and there are some who think that 160 acres in any one county is more than any individual should be entitled to As the law now stands one person can take up as many claims of twenty acres each as he can do assessment work on, and an association of eight persons can take up 160 acres in eight claims and is only required to do assessment work on one. The new law also gives practically a six month's option before purchasing at $2.50 an acre. In regard to amount the Chronicle says:

"It is doubtful, however, whether the area allowed to be pre-empted will meet with equal favor. It is too liberal. Oil miners would be quite content to have the limit placed at twenty acres, as it is in the case of a placer location. Oil mining claims in the Kern River belt and in the Coalinga and other districts are limited to twenty-acre tracts. The grievance there is that under the placer mining laws pre-emptions may be multiplied. The Stewart amendment does, in fact, multiply them eightfold. It, therefore, favors the very thing it professes to defeat—the monopoly of the land. A company of ten or twenty persons could monopolize an entire oil-bearing basin under it. The law should be liberal in a different way—to encourage occupation of the oil-bearing territory by the greatest number of miners, with a reasonable prospect of compensation for their enterprise and outlay. Twenty acres is a large enough tract for any one man to own in an oil belt. A small-sized town lot is regarded as a claim worth working in the Los Angeles oil belt, and big fortunes are being made out of them. There is no form of mining in which so little is risked as in oil mining. An outlay of $2,000 or $3,000 in most cases brings a result one way or the other, and that is a bagatelle in mining. The immense prices which twenty-acre tracts in the Kern oil belt are bringing indicates that the government can afford to be conservative in the disposition of its oil-bearing lands."

The Los Angeles Herald thinks the new measure none too liberal. Without making allowance for any combination of persons, as locations by attorney are forbidden, it states:

"There are few people acquainted with the oil industry who will agree that a limitation of 160 acres is too liberal allowance for the government to make. The proposed legislation is inspired by the idea so long prevalent in the disposition of the public domain that the interests of the general public in the land is not consistent with the granting of a monopoly of land, and in this is highly commendable. Notwithstanding the statement of the Chronicle, there has been absolutely no restriction on the amount of lands which individuals have taken up in Kern river, Coalinga and other fields. There are companies of eight men which have acquired all the way from single claims of 160 acres up to a multiple of claims aggregating 30,000 acres. This legislation is proposed to put an end to such privileges.

In claiming that twenty acres is sufficient for a filing, however, the Chronicle evidently sees a vision of oil men filing on land in proved fields like the Kern River. It is true that twenty acres in the heart of that field would be a good holding for any person, and would give him an opportunity to acquire a fortune. But the same condition does not apply to any other field in the state. In several fields it would be difficult to get twenty acres in a square of which the entire area would be productive. In almost every field there are but narrow strikes of oil bearing strata, on either side the drill failing to find oil. Where such a field is partially developed, it might be possible to select twenty acres which would be comparatively safe for prospecting, but the mineral lands law is not to apply to developed fields, but to fields which are supposed to contain oil, and where no person could state with certainty where the oil would be found even though it was known to exist. In filing on 160 acres in an undeveloped field the prospector would be very fortunate should he actually get twenty acres of good oil land. Under the proposed legislation there would be room for 144 claims in a township, no person owning more than one claim, and that would be letting in far more people than has been the rule in the past, while, considering the prospect for waste land on either side of the oil strata, it can hardly be considered an over allowance of land."

Progress in February

The stormy weather during the past month has been a serious drawback to progress of the oil industry and reports show a falling off in the amount of completed work, with an increase in new work begun. At the end of February there were 264 rigs ready for work and 691 drilling, a total of 955, showing increase over January figures of 97 classified as follows: Northern fields 117; Kern River 222, with other fields making a total of 444 for the San Joaquin Valley; Coast District, including Ventura, Santa Barbara and San Luis Obispo, 118; Southern California, below Tehachapi, 284, of which 125 belong to Los Angeles city. In completed work the state shows 140 wells finished in the month, a decrease of thirty from January, with an output of 4877 barrels, a falling off of 683 barrels from the preceding month. The failures recorded are 23, located in Colusa, King's, Kettleman, Temblor, McKittrick, Kern River (2), Santa Barbara, Fillmore (Ventura), Santa Paula (Ventura), Piru (Ventura) 4, Newhall 1, Fullerton 2, Los Angeles county 2, San Diego 2.

Wells completed during this month may be classified as follows: Santa Cruz, 1 well, 20 barrels; Monterey, 1 well, 10 barrels; Coalinga, 3 wells, 120 barrels; McKittrick, 7 wells, 450 barrels; Sunset, 6 wells, 450 barrels; Midway, 1 well, 50 barrels; Kern River, 35 wells, 2625 barrels; Santa Barbara, 2 wells, 30 barrels; Summerland, 4 wells, 88 barrels; Fillmore, 2 wells, 15 barrels; Santa Paula, 3 wells, 45 barrels; Los Angeles city, 46 wells, 414 barrels; Newhall, 5 wells, 145 barrels; Whittier, 4 wells, 275 barrels; Fullerton, 6 wells, 160 barrels; making a total of 140 new wells for the month, with a total production of 4880 barrels; or an average of nearly 35 barrels to the well. This shows a falling off of about 680 barrels from the new production of January, with 30 less wells finished than in that month.

Manufacturers and Producers.

Gasoline being the lightest of the products of distillation of petroleum, its manufacture and market is of interest to oil men. In this connection it may be noted that the Manufacturers' and Producers' Association of this coast have taken an active part in shelving a measure pending before the present Congress requiring licensed engineers upon all launches except those used for pleasure, a measure which would have the effect of diminishing the demand for gasoline launches now constantly becoming more general, and creating a demand for gasoline or distillate to run their engines. Such a measure, if passed, would be distinctly a favor to steam engineers, who are already licensed by law. As the bill has been defeated, other interests than those of the gas engine builders have been benefitted thereby and have reason to appreciate a continuance of freedom from legislative interference in matters which should be regulated by the laws of supply and demand.

This association is taking an active interest in the introduction of fuel oil in the manufacturing industries of the coast, and oil men have reason to feel grateful for more than one reason.

The Bakersfield Exchange.

A letter has been sent by the Bakersfield Oil & Stock Exchange to each of the delinquent members, notifying them that if the $100 membership fee is not paid by the 10th of the present month, his name will be dropped from the roll and the promissory note given some time ago returned to him.

Shareholders in oil companies, as well as other companies, should see that the stock purchased is legally transferred on the books as well as by certificate.

Herald Oil Notes.

TO DEEPEN WELL.

The Rival Oil company has closed a contract for deepening an old well on the company's Los Angeles property on Rockwood street.

SAN DIEGO COUNTY.

On Tuesday filings were made on 18,560 acres of desert land in the recorder's office of San Diego county for oil purposes.

A BIG CONTRACT.

It is reported from San Francisco that the Monte Cristo Oil company has made a three years' contract to furnish the Union Iron Works of San Francisco with 500 barrels of oil daily. The contract price is not given. It has been been known for some months that the Union Iron Works would use the new fuel.

PLENTY OF WATER.

In several fields in the state there has been complaint of scant water supply. This now seems to be at an end everywhere.

SAND PUMPING.

The Arizona Western Oil company reports that its well No. 1 in Kern river has not been abandoned, but is being sand-pumped and will be a good producer.

FOR SAN FRANCISCO.

The Union Oil company has applied to the San Francisco harbor commissioners for trackage on the north end for unloading tank cars, with space for boilers and pump.

GOOD WELL.

The Famoso Oil and Investment company reports that in perforating its No. 1 well in the Kern River field it came in good for 500 barrels. The well is 950 feet deep and was drilled in seventeen days.

BEGIN ON SEVEN.

Pacific Slope Oil company has brought in six good wells and No. 7 will be begun today. The company's stock was not listed on the exchange until February 14, but 116,000 shares were sold during the remainder of last month.

NORTHERN SANTA BARBARA.

Efforts to find oil in northern Santa Barbara continue. The Crocker company will drill on the Harris place and the Primavera company will drill a second well on the Underhill tract. The first well is down over 400 feet and has found gas and and favorable formation.

THICK SAND.

The Blinn company, on section 4, is down 930 feet and is still in the oil sand, says the Bakersfield Californian. The sand was struck at 380 feet and from that point down it has been almost continuous. Well No. 1, which was finished at 760 feet, is to be deepened as soon as No. 2 is completed.

CUYAMA FIELD.

While no oil has yet been developed in the Cuyama field, the fact that about 140,000 acres have been filed on there, it is evident that considerable interestis manifest in the district. This field is in Ventura county, midway between Nordhoff and Sunset, which are each twelve miles away. The field is approachable easily with teams from the north, but only on foot or horseback from the south.

Keswick Crude Oil Co.

The Keswick Crude Oil company whose land is situated two to four miles north of Redding is rapidly getting ready for business. The stock is in demand at ten cents a share, the company owning 4400 acres of land in the Sand Flat district, where the oil formation crops out for miles on the surface. Bitumen, sandstone and fossil conglomerates are present in immense quantities. The company will be ready for drilliag in a few weeks and are very sanguine of getting a fine quality of oil, as all analyses of seepages in that locality show a paraffine base. The Mount Shasta company is now sinking within thirty feet of the Keswick company's land and expects to get oil at from 600 to 800 feet. This property is in the Buck eye Mining district, and the land is valuable not only for petroleum but for placer gold.

A Record Holding Oil Lease.

The little sixty-acre Leverton lease west of Bowling Green, Ohio, in Plain township, probably holds the state record for its owner, Dallas P. Whipple, as an individual operator, on the amount of production: Mr. Whipple says that since he bought the lease it has produced over 100,000 barrels of oil. During the last three months of 1900, October, November and December, the lease made 40,002 barrels of grease. Nothing in Ohio will compare with it up to the present time.

The Colusa Consolidated Oil & Refining Company.

The Colusa Consolidated Oil & Refining company gives notice of the change of location of their offices. They have taken a large area at 630 Market street, opposite the Palace Hotel. The reports from the field are very satisfactory. Oil having been struck on adjoining property, assures the success of future operation of this company.

The oil which has been found in this district is of high quality and worth from four to five dollars per barrel. Two Standard rigs have been purchased and drilling will be commenced by April 1st

Water for Midway.

The Jewett & Blodget water system which has been supplying the Sunset field from the Klipstein springs, will be extended in the direction of the Midway field for the purpose of supplying the drilling rigs in that locality. Railroad Commissioner Laumeister had a project for a water supply from wells drilled near Buena Vista lake but as this could not be used for drinking water it is likely that the plan will now be abandoned.

Scarcity of Cars.

It is said that 200 carloads of oil could be shipped from Kern River daily if there were cars enough. A train of sixty-one cars of 150 barrels each, or over 9,000 barrels, was hauled from Kern River on the first.

A Sunset Pioneer.

The Lone Star, operating on 32, 12-24, has struck a body of sulphur water at a depth of 1332 feet which rose 500 feet in the casing. The company have decided to continue to a depth of 1500 feet, as this is a pioneer in the section of the field where it is located.

Normal Oil Co.

Incorporated December 13, 1900, under laws of Arizona.

STOCK NON-ASSESSABLE

720 acres of land in the heart of the Oil Belt in Monterey county.

WE ARE NOW DRILLING

For a short time only sale of Treasury Stock will be continued at 15 cents a share.

WE INVITE INVESTIGATION

Send for Prospectus and full information. Liberal commissions to responsible and energetic agents.

NORMAL OIL COMPANY

363-364 Parrott Bldg., San Francisco

LEWIS, RANK & YOUNG

Pacific Coast Securities . . .

Stocks
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Oil Lands and Ranches

45 Sutter St., San Francisco, Cal.

TELEPHONE, BUSH 209

If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

LOS ANGELES BOARD.

Business Showing a Downward Tendency.

Trading continues active on the southern stock board. The report of the February sales has not yet been issued but from the average daily transactions through the month it may be presumed that it will show a large volume of business. The sales for January far exceeded those of any previous month since the opening of the exchange.

There have been the usual fluctuations in the price of various stock during the past several days, though no sensational movements have been recorded in any particular security. The nearest approach to such an extreme was that of the Uncle Sam Oil company's stock which has fallen off steadily until it reached the minimum point of 10 cents, and about 15,000 shares changing hands on Saturday at prices ranging between ten cents and 10½ cents.

Westlake has shown a backward movement and is now quoted at 19 cents, recent prices being one or two points in advance of this figure. Central has regained some lost ground and is now picked up whenever it is to be had at $1.19 to $1.20. Globe has figured on the board at from 26 cents to 30 cents, the latter being the present asking price. Reed Crude has also been discontinued and has fallen steadily from 67 cents to 60 cents, at which price the closing sales were made Saturday. Holders of Senator Oil company's stock have been parting with their securities at lower figures than ever before. A few hundred shares went through the clearing house at $1.90, the lowest sale price ever recorded for this stock on the Los Angeles Exchange. Present offers, however, are even lower than the above figure. Pacific Slope has been a favorite trader and many thousands of shares have found a market at from 7¼ to 8 cents. Fullerton Consolidated has shared the bear movement and is still weak at from 57 cents to 59 cents. The most notable exception to the downward course has been Columbia, heretofore an unpopular stock, which has gone begging at 35 cents and is now readily taken up at 40 cents. Another advancing stock is United Petroleum, which has now reached high-water mark of $115, having gained several points within the past week. Some trading has been done in Continental at prices ranging from 97 cents to $1.00. Other stocks have remained about stationary, though all shared somewhat the general bearish influence of the market.

To the falling price of petroleum may be attributed the present downward tendencies of oil securities and while trading has been comparatively brisk, the market is anything but satisfactory.

Little or nothing has been done in mining or miscellaneous stocks.

Building Up the Standard Oil Company.

Mr. Rockefeller contributes his side of the merits of Trusts as far as the oil industry is concerned to a recent issue of the Engineering Magazine. He says:

"I ascribe the success of the Standard to its consistent policy to make the volume of its business large through the merits and cheapness of its products. It has spared no expense in finding, securing and utilizing the best and cheapest methods of manufacture. It has sought for the best superintendents and workmen, and paid the best wages. It has not hesitated to sacrifice old machinery and old plants for new and better ones. It has placed its manufactories at the points where they could supply markets at the least expense. It has not only sought markets for its principal products, but for all possible by-products, sparing no expense in introducing them to the public. It has not hesitated to invest millions of dollars in methods for cheapening the gathering and distribution of oils, by pipe lines, special cars, tank steamers and tank wagons. It has erected tank stations at every important railroad station to cheapen the storage and delivery of its products. It has spared no expense in forcing its products into the markets of the world, among people civilized and uncivilized. It has had faith in American oil, and has brought together millions of money for the purposes of making it what it is, and holding its markets against the competition of Russia and all the many countries which are producers of oil and competitors against American oil. That traverses the fundamental principles.

Mr. Rockefeller then proceeds to deal with subjects of more local than general interest, concluding with a paragraph which gives but a vague idea of the thought and labor devoted to the improvement of methods of transport.

"We soon discovered," he says, "as the business grew that the primary method of transporting oil in barrels could not last. The package often cost more than the contents, and the forests of the country were not sufficient to supply the material for an extended length of time. Hence we devoted attention to other methods of transportation, adapted the pipe line system, and found capital for pipe line construction equal to the necessities of the business. To operate pipe lines required franchises from states in which they were located, and consequently corporations in those states, just as railroads running through different states are forced to operate under separate charters. To perfect the pipe line system of transportation required in the neighborhood of $50,000,000 of capital. This could not be obtained or maintained without industrial combination.

"The entire oil business is dependent on this pipe line system. Without it every well would be shut down, every foreign market would be closed to us. The pipe line system required other improvements, such as tank cars upon railways, and finally the tank steamer. Capital had to be furnished for them, and corporations created to own and operate them. Every step taken was necessary in the business if it was to be properly developed."

George W. Parker, the secretary of the Mercantile Crude Oil company, has been sent to the vicinity of the Big Panoche to investigate the prospects for oil in that district in case he returns with a favorable report a company will be formed and drilling begin immediately.

To Exchange.

Will exchange a fine Emerson square piano in good condition for oil stock. State company and location and send prospectus. Address Box 32, this office.

GUARANTEE UPON GUARANTEE

The Famoso is in Oil and Its Stock is Now Doubly Guaranteed

Guaranteed from the beginning by the Continental Building and Loan Association, the value of the stock of

The Famoso Oil and Investment Company

Is now established by the proven richness of its holdings in the Kern River District. We are not only in the CENTER OF OIL PRODUCTION IN CALIFORNIA, but our first well is the peer of anything in the vicinity. Our engagements require us to complete three more wells this summer, making

Four Wells in Six Months

That is the reason why we will sell Treasury Stock for a short time longer at the same price. WE MUST HAVE QUICK CASH FOR RAPID DEVELOPMENT. Energetic work now will put the company on a dividend paying basis this year.

Our Stock is a Bargain

AT THE OLD PRICE OF FIFTY CENTS A SHARE. It will advance soon without notice, and finally be wholly withdrawn from sale.

Call at our Office, or send for Prospectus and Information. Inquire about us from any reputable journal identified with the Oil Business.

OFFICERS:—John P. Albro, President; A. J. Munton, Vice-President; T. A. Sheppard, Secretary; S. D. Miner, General Manager.

Office: Room 393 Parrott Building, San Francisco

Branch Office, 1330 E Street, San Diego, Cal.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

CONTRA COSTA.

The General Gleaves company has its derrick nearly up.

The Byron Springs Oil company will begin work next Wednesday.

The Tide Water Syndicate expects to have two more rigs running shortly.

The Clover Leaf is making rapid headway and driving on toward the oil sands.

The Contra Costa Oil and Petroleum company expects to have its well clear by Saturday.

Harvey-Blades Oil company is now down 875 feet, working in the best of ground and the showing is improving with depth.

COLUSA.

A new mineral district was recently formed at Stonyford and a recorder elected. The oil excitement still continues in the Sulphur Creek district.

Several more experts arrived at Arbuckle last week and immediately left for a tour of inspection. Their report is awaited with more or less anxiety by parties holding claims.

The Lake and Colusa Oil and Land company, of which Dr. C. T. Deane is president, will soon commence operations. The company is selling no stock, but is disposing of valuable oil land of which they have 11,000 acres.

FRESNO.

Echo, on 29, 20-13, was down about 490 feet on Friday and expects to strike oil at 800 feet.

Section 31, 19-15, on which Confidence secured two flowing wells at a depth of 800 feet in less than three weeks after commencing operations, is now covered with derricks.

The Commercial is the latest to bring its outfit on section 31; 36, 19-14, 6, 24-13 6, 20-15 and 1, 24-14 are all scenes of activity by reason of the success of Confidence.

J. V. Hill, from Ora, the pipe line terminus near Coalinga, states that surveyors will take the field this week to to survey a line to Oil City, and it is understood that if the proposition proves a practical one, the Southern Pacific will build a line up there.

A lease has been executed to H. M. Welsh, the attorney of Fresno, and associates, by the Southern Pacific for the W½ of 5, 20-15 conditionally upon drilling four wells during the first year, work to commence within sixty days and wells to be bored to the depth of 2000 feet unless oil is srtuck before.

The Kreyenhagen Land Oil company is preparing to drill well No. 3 in its property in the Kreyenhagen district. The company feels confident of yet striking a good lot of oil there, and if they do they will have a bonanza, for the oil strata struck in the other wells show oil of the finest quality yet produced in this state.

The Crescent Oil company has at last struck oil in its well in the Coalinga district, just east of Oil City. It will be remembered that the Crescent sank a deep hole, but quit work for a long time. Several weeks ago work was resumed on the old hole and success has attended the last effort. It is reported that there was 300 feet of oil in the well last Saturday.

GLENN.

The Glenn County Oil & Coal company's drill has reached a depth of about 450 feet.

The Great Northern Oil company's well has now reached a depth of between 400 and 500 feet

HUMBOLDT.

H. F. Bulwer, president of the Consolidated Crude Oil company of Los Angeles, will soon commence oil development operations on a large scale in Humboldt county, where a company has secured over 10,000 acres. The land has recently been experted by A. L. George and by Allen Craig. The rig, machinery, casing, etc., are of the very best quality and are nowon the ground. The company will drill six wells immediately.

KINGS.

The Tres Sierretas Oil company has just completed the building of eight and one-half miles of fencing on the 1200 acres of land it owns in the Devil's Den district. Mr. Brown, who was over there superintending the work states that there is quite a demand for land to lease over there. His company is considering the proposition of leasing a small part of its land on a royalty. Several drilling rigs will begin work over there as soon as the roads get better, so that fuel oil can be gotten in, among them being the Safe Deposit and the White Dove companies.

KERN.

The Bolena is down 200 feet.

The Providence is down 600 feet.

Junction No. 4 continues to yield 200 barrels.

The water well on the Olema is finished.

Spudding on the Apollo, 4, 29-28, began this week.

Lumber and machinery were hauled to the Alva recently.

Superior No. 2, entered the first oil sand last week at 335 feet.

The Blynn well No. 2, was perforated recently. This well has 580 feet of oil sand.

The Acacia, south of the river, is down 900 feet, and is having trouble with water.

The Phœnix Oil Supply company has broken ground for its new shops on 8, 29-28.

The material for the Hecla is on the ground and spudding will begin sometime this week.

The Superior has four new standard rigs on its property on 2, 11-24 and these will be set up this week.

Black Jack No. 2 began flowing when perforated. It is 836 feet deep, and supposed to be good for 350 barrels.

The Water Supply company of Kern River District has reduced the charge from $100 to $75 per rig per month.

The Naught Four Oil company is building a rig on 25, 28-27, Kern River, and expects to begin drilling this week.

The hole of the Tower company adjoining the Junction at Kern River is down 450 feet, with a good showing at that depth.

The Blum Oil company has finished its second well in the Kern River field at a depth of 960 feet. It is reported good for big production.

California and Utah Oil company have purchased two Standard rigs and expect to commence work on 10, 30-21, McKittrick district, next week.

The Vesuvius at Sunset which struck a slight stratum of oil a few days ago, has gone into another body and the oil sand filled the casing 200 feet.

The Eastern Star well No. 1, 20, 28-28, Kern River, is reported down 400 feet, being within eighty feet of the sand No. 2 and derricks are up for two more wells.

The New Era Oil company have erected a derrick opposite the tanks of the Standard Oil, and will soon be drilling. They have sold all the stock necessary. Hon. W. H. Mills is the president of the company.

The Lacey Manufacturing company has contract work for building tanks in Kern River, sufficient to keep it at work until the middle of June. Several large storage tanks are now being constructed under its supervision.

The Mt. Diablo No. 2 has been on the pump for several days and is slightly in excess of 200 barrels. This well which it was hoped could be put down to the bottom of the sand, was finished and plugged before a landing could be made.

Eckstrom's rig drilling on the Cottonwood, has reached a depth of 900 feet, nearly the whole of which distance having been water sand. The five and five-eighths is now being used and it is possible that no great depth will be attained. No oil has been discovered.

The Superior Development will soon be at work on the southeast quarter of section 24, 28-27, ten acres of which were recently purchased from the Century company. The machinery is being gathered as rapidly as possible. The stock of the company which was subscribed at three cents, is now worth double that amount.

It is reported that on Saturday the drill of the Majestic Oil company, in well No. 1, dropped into good sand at a depth of 760 feet, on 31, 32-24. The Stratton No. 1 is also reported in sand on 32, 32-24, at 700 feet. The Lucky Boy No. 1 is down 600 feet. These holes are near together, and if they prove as satisfactory as expected will demonstrate a large section of country.

The Hercules, on 2, 29-28, south of the river, is now down 900 feet, and no showing of oil has been met. The hole was at one time driven to 1000, but the drill encountered hard shells, and for fear that they would hang up the work the seven and five-eighths was withdrawn and the nine and five-eighths carried farther down. Seven and five-eighths casing is now being used.

LOS ANGELES.

C. V. Hall has a new rig up on Metcalf street, near Temple, and will drill soon.

The Crown Petroleum company is drilling two new wells on Tolucca and Colton streets, Los Angeles.

The Rosedale Cemetery Association struck an oil stratum Monday at 490 feet and is still drilling.

The El Moro company at the height of the ridge has a 1200-foot strings of 5⅝ casing in its well.

The Rodeo Oil company began spudding in No. 2 and the drillers declare they will have a well in forty-five days.

The Los Angeles City Oil company is down about 300 feet in its No. 3 in the local field. No. 2 is being pumped and is a good producer.

The Pico Oil company is making better progress in its second well than it did in No. 1. The drillers sent the drill down 100 feet in twenty-four hours.

On the corner of First and Belmont streets, city field, the Regal Oil company has finished up a good well, its first, and will begin this week on No. 2.

The Ocean View Oil company has a good well in its No. 1 in the city field, which met with several accidents in going down. No. 2 is going down more rapidly.

The Palo Solo Oil company, which is operating on the Harvey lease, has resumed drilling after experiencing considerable trouble with the first string of casing.

The Central Oil company has completed well No. 10, and began drilling upon No. 30. No. 20 is still giving some trouble because of water, but it is expected the well will be completed soon.

The Fidelity Oil company has completed the deepening of well No. 1, and the pump was started on it Thursday. There was some water in the well and its capacity is yet an unknown quantity.

The Turner Oil company is still at work drilling No. 5. Some trouble was experienced with casing last week, but this has been overcome and the hole is now going down rapidly.

The Warner Oil company has made a location for well No. 5, which will be put down northwest of No. 4, now drilling. The formation in this latter hole is giving the drillers considerable trouble.

The Whittier Consolidated Oil company has resumed drilling on its location just north of the city with a 4 1-2-inch bit. The hole is down 1200 feet and is now going deeper.

The well of the Congress Oil & Pipe Line company shows up better as the drill goes down, the oil is much lighter than that first found, and the owners are confident that they will finish up a good well.

The Tamarack Oil company has purchased fifteen acres of land directly east of the Congress Oil & Pipe company's property. This company's land in the Kern River field has been leased and it will begin development work in Los Angeles with two rigs within thirty days.

Shirley & McCray have abandoned their first well in Savage canyon. The hole was put down 900 feet in a few weeks, but at that depth a heaving sand stopped further progress. A small stratum of oil sand was found at 300 feet. This is the third failure made by this firm on the Worsham lease and it will discontinue development for the present.

MENDOCINO.

S. S. Simon, oil expert, is in Mendocino examining large tracts of land.

MONTEREY.

London people are figuring on an electric line from the oil fields to San Francisco. Oil will be used for fuel.

The Salinas is down 400 feet. The Normal is over 200 feet as is the Great American. The Paraiso Oil company has rig up and Arroyo Seco has bought theirs.

ORANGE.

A side track 260 feet long is being built to the Santa Fe company's new 30,000-Larrel storage tank.

Work is now well under way on the new road between the Graham & Loftus and Brea Canon oil fields.

The new well on the Reve place at La Mirada is down 925 feet, and has passed through two more oil strata.

The Santa Fe is moving its machine shops to a more desirable location. A lot of new machinery will be added to the plant next month.

The Santa Fe company is building a rig for another new well, No. 26. The company is now working five "strings" of tools and will start another "string" this week.

The well on the Willshire place at Placentia has been abandoned at a depth of 1000 feet. The casing will be withdrawn

and the well tapped at a depth of 200 fee for water.

The Menges Oil company's well in Brea Canyon is down 1500 feet, and still shows up with from 70 to 80 feet of oil at the bottom, but heavy producing oil sand has not yet been struck.

The Brea Canyon Oil company is now building a rig for well No. 10 and has received bull wheels for two more new wells. This company will have wells Nos. 7 and 8 on the pump in a few days.

The Crown of the Valley Oil company ran out of casing last week and work was suspended for three days. Operations were resumed on Monday. This well is down over 1500 feet with good indications.

The Fullerton Sunset Oil company has arranged to have a rig hauled out to its lease in Carbon Canyon. The Carbon Canyon Oil company having its first well about ready for the pump, the Fullerton-Sunset people have decided to push drilling operations near the new strike.

SANTA BARBARA.

The Northern Consolidated Oil company are pulling down their derrick.

Hall's Oil well is now under headway, with four and one-half-inch casing.

The well on the Walker property is progressing very slowly.

The oil buyer of Oxnard was in Summerland Thursday, and offered 75 cents gasoline test, for oil in carload lots or by yearly contract.

The Crocker Oil company is to drill on the Harris rancho, where the Western Union company now has a well that it is hoped will be a paying one. The well will probably be one of 2500 feet and more. The other well on the property is one of over 2000 feet.

A heavy rig was sent out to the T. W. More property, the Hope ranch, and a well will be sunk on the beach at the mouth of the Arroyo Burro. The parties who have the lease are reputed to be wealthy Eastern men who will prospect the ground thoroughly.

In the vicinity of Los Alamos, in the north of Santa Barbara county, there are to be two new prospect oil wells sunk within a very short time. The Primavera Oil company, which is operating on the Underhill rancho for Tillman & Bendell of San Francisco, has a well down over 400 feet now. A second well is to be commenced as soon as a rig can be got to working, and both wells will be worked at once.

SHASTA.

Spudding has begun on the property of the Mt. Shasta Oil company, in Shasta county.

SOLANO.

The permanent organization and election of offices of the Armijo Oil company took place at a meeting of the stockholders last week.

The Capell Oil company has been incorporated. The principal place of business is Vacaville. The capital stock is placed at $500,000, all of which has been subscribed.

The Rochester Oil company is the name of a new Suisun company which is to be incorporated in a few days. They are to sink the first well on the Thomas Dickson place of 800 acres about eight miles east of Suisun.

The Green Valley company has a lease on 200 acres of the Nightingale tract. It is the intention of the company to begin work within the next two weeks. The Green Valley company will probably be the first to begin boring operations in vicinity of Suisun.

The site has been located, and work on the derrick of the Vacaville Oil company has already commenced. The well to be sunk is on the grounds of Mr. E. F. Pinkham, about three and one-half miles from town. It is about 100 feet west of the roadway leading from the county road at that point, and twenty-five feet inside the fence from the county road. John Ferguson, who has the contract to sink the well, was in San Francisco Wednesday, shipping the necessary machinery to begin operations.

SAN BENITO.

The Hollister Petroleum Development company have begun drilling.

A rig has been built on the Dougherty tract.

The San Antonio will at once build rig on Wilson tract.

A new company will soon be formed on the Joe Machado ranch.

The Giant Oil company is building rig at Pump Canyon.

The Ashurst Oil company in the Vallecitos has drilled 230 feet. Indications are most promising.

The Hollister Crude Oil company anxiously awaits fine weather to haul the engine and boiler to the derrick.

The Fresno-Alpha has drilled about 525 ft. A small quantity of oil was struck at 410 feet.

The San Benito County Oil company after some days' delay on account of casing are drilling again.

L. W. Jefferson and O. L. Lamson have leased the alfalfa field at the end of San Benito St. for oil development purposes.

The well of the San Benito Oil company which filled up with mud 220 feet has been cleaned out. There is oil in the well which will be drilled deeper.

The San Benito County Oil company will begin drilling again after a delay of several days, owing to a mistake in shipping casing.

Articles of incorporation of the Santos Oil company have been filed with the County Clerk. The company has been organized to develop oil in the Santos ranch on the Vineyard road. The property has been deeded to the company.

The Silver Creek Oil company has been forced to lie idle for several days by the storm. The oil truck was washed down the creek about a quarter of a mile and badly damaged. This company has drilled almost entirely through black shale. Several small strata of oil sand have been passed through. Drilling will be resumed shortly.

The Star Line Oil company which will operate on 28, 16-11, on Silver Creek has sold sufficient stock in the east to purchase a standard rig and outfit and have a net balance in the treasury also will go to work as soon as possible. This company's derrick is only about half a mile from the Fresno-Alpha company's derrick.

TULARE.

Mr. Weir, superintendent of the Safe Deposit Oil company, located on section 35, township 25 south, range 20 east, is preparing to receive a Standard rig recently purchased by his company, which will soon arrive on the ground.

VENTURA.

Weldon Oil company, operating in Ojai Valley, four miles from Ventura, are down 400 feet in blue shale, with every indication of oil. Will go down 1500 feet if necessary. Hermann Zadig, the broker, is prominently connected with the company.

To Exchange.

Will exchange a fine Emerson square piano in good condition for oil stock or oil lands. State company and location and send prospectus. Address Box 32, this office.

The Kern Valley Company.

On the second page of this issue will be found the advertisement of the Kern Valley Oil company, a new organization with valuable holdings in the Kern River district, and much oil territory in Cottonwood and Poso, besides other oil lands in Sunset, San Diego and Glenn counties. The company, being under the management of J. H. Edson, well known on the oil fields through his connection with the Lincoln Oil company is a guarantee of conservative business management. The acreage of this company is very large, consisting of 6,600 acres of land in the districts mentioned. The company attaches especial importance to its holdings in the Cottonwood field, which are in direct line with the trend of the Kern River field to the southeast, so that a line drawn through the Kern River wells will pass directly through it.

Notice of Assessment.

Loma Prieta Prune Ranch company. Location of principal place of business, San Francisco, California. Location of ranch, Monterey county, California.

Notice is hereby given that at the meeting of the board of directors held on the 25th day of February, 1901, an assessment of ten ($10) dollars per share was levied upon the capital stock of the corporation, payable immediately in United States gold coin at the office of Madison & Burke, 636 Market street, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 25th day of March, 1901, will be delinquent and advertised for sale at public auction and unless payment is made before, will be sold on Monday the 22nd day of April, 1901, to pay the delinquent assessment together with the cost of advertising and expenses of sale.

By order of the board of directors.

FRANK MORTON, Secretary.

WONDERFUL SUCCESS

Smith-Premier Typewriters

Are Used Everywhere

READ THIS LIST:

Heald's Business College use..30
Southern Pacific Co. system ..47
Western Union Tel. Co.....36
S. F. Public Schools now use...43
S. F. Call..... " 21
Hale Bros..... ... " 14
Viavi Co. ..... " ... 13
Cogswell College .... " 11
Miller, Scott & Sloss . " 10

Get information from us about the new **SPEED** Device.

L. & M. ALEXANDER & CO.

110 Montgomery st., S. F.

Struck Oil!

In our well No. 1 we are in the oil sand and well will be completed in a few days and put on the pump, when wells No. 2, No. 3 and No. 4 will follow as rapidly as possible. Be quick and you can get a few shares at **25 cents cash with order.** Will soon advance to 50 cents per share. Our land is in **producing** district of Los Angeles.

Dey Crude Oil Co.

Rooms 6 and 7, 8th floor Mills Bldg., San Francisco.

Some Proven Oil Lands for Sale.

DON'T Fail to call and get full information regarding the **SPRING OIL COMPANY** Stock being sold by me at

25c per Share

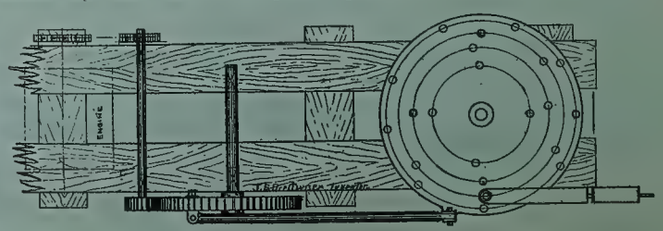
Before investing in oil.

ORR & MERACLE

Phone, Red 506 **Rooms 29-30 Chronicle Building**

A PUMPING POWER

That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



J. E. BREITWISER, Inventor. RISDON IRON WORKS, Builders.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, March 6:

AMERICAN FUEL.

100 at	26		26 00

ÆTNA.

200 at	32		64 00
700 at	25		175 00
1500 at	26		390 00
3700 at	27		964 00
400 at	28		112 00

BLUE GOOSE.

10 at	2 50		25 00

BEAR FLAG.

400 at	26		104 00
1000 at	25		250 00

CARIBOU.

800 at	75		600 00

CAL. OIL & GAS CO.

200 at	1 75		350 00

CALIFORNIA STANDARD.

1500 at	44		660 00
300 at	47		141 00
5000(B30) at	49		2450 00
4300 at	48		2064 00
3650 at	51		1657 50
2550 at	53		1341 50
2625 at	52		1365 00
150 at	54		83 00
2000(S30) at	48		960 00
2000 at	49		980 00
18100 at	50		9050 00

EL DORADO.

50 at	1 75		87 50

FOUR OIL CO

2800 at	59		1652 00
100 at	58		58 00
4328 at	60		2596 80

GOLD DOLLAR.

400 at	40		160 00

HANFORD.

7 at	105 00		735 00

HANFORD-FRESNO-KERN RIVER.

500 at	20		100 00

HOME OIL.

10 at	4 20		42 00
225 at	4 25		956 25
100 at	4 10		410 00

INDEPENDENCE.

1000 at	18		180 00
500 at	19		95 00
1200(B30) at	20		240 00
9900 at	20		1980 00

JUNCTION.

100 at	68		68 00
300 at	70		210 00
100 at	69		69 00
400 at	63		252 00
100 at	61		61 00
600 at	66		396 00
1200 at	65		780 00
400 at	62		248 00

KERN RIVER.

10 at	17 00		170 00

KERN OIL CO.

10 at	10 00		100 00
100 at	9 75		975 00
50 at	9 62½		481 25
20 at	9 50		190 00
145 at	9 00		1305 00
360 at	9 87½		3021 00
160 at	9 37½		1536 00

LION OIL CO.

250 at	21		52 50
4000 at	19		760 00
3250 at	20		650 00

McKITTRICK CONSOLIDATED.

200 at	16		32 00
420 at	15		63 00

MONTE CRISTO.

100(S30) at	2 40		240 00
400(S30) at	2 37½		950 00
200 at	2 25		450 00
100 at	2 27½		227 50
100 at	2 30		230 00
100(B 30) at	2 30		230 00
100 at	2 20		220 00
50 at	2 17½		108 25
600(S30) at	2 10		1260 00
600 at	2 42½		1455 00
200 at	2 15		430 00
1100 at	2 10		2310 00

McKITTRICK

1400 at	40		560 00

CENTRAL POINT CON.

200 at	1 70		340 00

MONARCH OF ARIZONA.

1000 at	65		650 00
1592 at	62		987 04
400 at	61		244 00
100 at	51		51 00
600 (S 90) at	55		330 00
200 at	58		116 00
100 at	59		59 00
100 at	60		60 00
650 at	63		409 50
200(S90) at	56		112 00
1500(B60) at	67		1005 00
100 at	67		67 00
1000(S 90) at	58		580 00
100(B 90) at	65		65 00
500 at	64		320 00
500(B60) at	66		330 00
8 at	75		6 00

OIL CITY PET.

500 at	39		150 00
2000 at	29		580 00
1500 at	28		420 00
5000 at	25		1250 00
1000(S 30) at	25		250 00
3000 at	24		720 00

OCCIDENTAL OF W. VA.

1900 at	63		1197 00
1200 at	62		1844 00
200 at	61		122 00
500 at	60		300 00

PEERLESS.

25 (B 10) at	8 25		206 25
10 at	8 00		80 00
25 at	8 75		218 75
25 (S 2) at	8 75		218 75
65 at	8 25		536 25
50 at	8 37½		418 75
100 B 30 at	9 00		900 00
25 at	8 50		212 50

PETROLEUM CENTER.

6650 at	15		1097 50
2000 S 30 at	15		300 00
3200 at	16		512 00
2250 S 30 at	16		366 00

SAN JOAQUIN O. & D. CO.

50 at	12 00		600 00
150 at	11 87½		1780 75
300 at	11 75		3525 00
25 at	11 50		287 50

STERLING.

200 at	2 90		580 00
150 at	2 80		520 00
125 at	2 85		358 50
200 at	2 70		540 00
50 at	2 65		132 50
100 B 30 at	2 70		270 00
100 B 90 at	2 70		270 00
100 at	2 60		260 00

SUPERIOR

349 Cash at	25		87 25
600 at	25		150 00
1600 at	26		416 00

SHAMROCK.

300 at	50		150 00

SUNSET (ORIGINAL)

100 at	59		39 00
200 at	38		76 00
100 at	40		40 00

REED CRUDE.

2000 at	65		1300 00
100 at	62		62 00
1300 at	53		689 00
350 at	54		189 00
50 at	55		27 40
200 at	57		114 00

TWENTY-EIGHT

100 at	1 80		180 00
200 S 30 at	1 75		350 00

WEST LAKE.

2000 at	21		420 00

WOLVERINE.

1100 at	1 50		1650 00
500 at	1 45		725 00

YUKON.

500 at	40		200 00

Shares 142,704 Amount $83,805.24

C. E. WILSON & CO.,

Stock Brokers

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Incorporated Under Laws of California

160 Acres in Fresno County.

Near Famous Panoche and Contua Districts.

CAPITAL STOCK $200,000. PAR VALUE $1 per share

10,000 SHARES NOW ON SALE AT 25 Cents, FOR DEVELOPMENT PURPOSES ONLY.

Office: : : : 3 Eddy St.
SAN FRANCISCO, CAL.

Prospecting in Colusa.

Among the more recent fields of oil development few give more promise than those of Colusa county.

The oil found has been of high grade, having a paraffine base.

Orr & Meracle of San Francisco, who have large holdings in the Fresno-San Benito, McKittrick and Kern River districts, have leased over 2000 acres of land along the foothills on the west side of Glenn valley and will commence development work in the near future.

Messrs. Orr & Meracle are well known in the oil business, being connected with the Spring Oil company in the Kern River district and are members of the Producers' Oil Exchange.

The New Oil Car.

The new oil car on the first page, reproduced by courtesy of H. J. Small of the Southern Pacific company, is thirty-six feet in length and weighs 46,210 pounds empty and 143,010 pounds loaded. It is to some extent experimental, although the company will undoubtedly build a number more of them. The one now in service has so far proved entirely satisfactory, the only objection as compared with the cylindrical cars being that it has to be unloaded by gravity, as air pressure cannot be applied to force the oil up into the tanks at a higher level than the car itself, on account of the flat bottom.

To Investors.

A number of companies are offering stocks under a new and novel plan. They not only secure the investor against loss, but pay a fixed rate of interest, equal to saving banks' rates, on amounts invested. The transaction is handled as follows: A buys $1000 worth of stock. The company selling the stock at once have a fifteen or twenty-year bond, drawing two or two and one-half per cent interest per annum, payable semi-annually, placed in escrow to protect A's investment. Every six months A gets his interest coupon. At the maturity of the bond A either has to give up his stock for it, or he retains his stock and the bond is paid to the company, A, of course securing his pro rata of security. Under this plan stocks can be purchased and buyers guaranteed dollar for dollar of their investment. They also secure a positive and fixed rate of interest. These advantages they may have outside of any and all interests and dividends paid by the company issuing the stock. This is the first time that INTEREST-BEARING BONDS have been used to guarantee investments. Each and every bond bears a certified statement from the California Safe Deposit and Trust company to the effect that they have ample and sufficient security on deposit with them to protect the bond in full. Investors may have the bonds placed in escrow in any bank or safe deposit they wish. Holders of guaranteed stocks can always borrow eighty per cent of the cost of the bond plus the accrued value from year to year.

Beyond question of doubt, an immense amount of stock will be sold under this plan.

For further information address, PACIFIC COAST UNDERWRITING COMPANY, 507–508–509 Parrott building, San Francisco.

A novel project is outlined in a press dispatch from Beaumont, Texas, to the effect that Colonel W. H. Pope of that city, Judge O. M. Carter of Fort Worth and others have received permission from the Secretary of War to sink oil wells in the Gulf of Mexico, in the vicinity of what is known as "the oil pool," near Sabine Pass.

Removal.

The office of R. H. Herron & company will be removed on Monday from the Mills building to 411 Market street; full line of machinery will be exhibited.

Notice.

TO THE STOCKHOLDERS OF THE TEMPLORE OIL COMPANY, A CORPORATION.

There will be a special meeting of the stockholders of the Templore Oil Company, held at the office of said company, at room 115 Phelan Building, San Francisco, at 8 o'clock A. M. on the 15th day of April, 1901.

This meeting is called for the purpose of increasing the capital stock of the said company from $200,000 to $500,000. By order of the Board of Directors

J S GRAHAM, President.
F M PERSINGER, Secretary.

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A full stock of all kinds of lumber

: For Oil Derricks :

Including Walking Beams constantly on hand at

LOWEST PRICES

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Hollister Crude Oil Co.

Has 100 Acres 4 miles south of Hollister, where companies are now drilling, and more rigs are being completed.

Our derrick and bunk houses are finished and water pipe laid.

Capitalized for 500,000 shares at $1.00 each.

200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

For prospectuses or information apply to agents or to

C. J. TALLON,

Room 16. **308 Market St.**

MORE PROFITABLE THAN

GOVERNMENT BONDS

AND QUITE AS SECURE

Investments placed with this company have greater earning capacity than by any other method. Your money is always subject to withdrawal and the profits all paid in cash as earned, less a small commission which we retain for services.

YOUR MONEY BACK After ninety days if you want it. This gives you absolute protection and guaranteed security from loss. Our experts in the field are always at the service of our investors.

$25 TO $5000 received for investment and a settlement every month. The methods adopted by the company have stood the test of time and we are indorsed and heartily advocated by the most reliable business men, financial institutions and newspapers throughout the country.

Investors will do well to investigate the opportunities presented by this company before buying oil stock or placing their money.

Standard Oil Promotion and Investment Co.

INCORPORATED.

LICENSED BY UNITED STATES GOVERNMENT.

575-576-577 Parrott Building = = San Francisco, Cal.

Elegant Souvenir Views of California Oil Fields, Free for the asking.

VAST FORTUNES IN OIL

Have been made by investing at "ground floor" prices in California oil companies operating in producing districts. The surest, safest and most profitable investments before the public. Do not buy from the professional stock promoter, who fleeces the public out of three times the real value of stocks. Buy only from regular U. S. Government Licensed Brokers, who charge you the actual market values

THE OIL INVESTMENT AGENCY

210 Hearst (Examiner) Building, San Francisco, Cal.

Are regular U. S. Government Licensed Brokers, and offer at "ground floor" prices the stocks of: Pacific Petroleum Co., 1000 shares, $50; Palo Alto Oil Co., 500 shares, $50; Palm of Devil's Den Oil Co., 500 shares, $50.

These special inducements in order to quickly raise cash for first development. We also offer stocks of Bachelor's Oil Co., Three States Oil Co., Diamond Oil Co. and others.

Write us before you invest. We can save you from 25 to 50 per cent.

A Word to the Wise is Sufficient. Be Wise

THE KESWICK CRUDE OIL CO. {STOCK NON-ASSESSABLE

Incorporated under the laws of Arizona, December 29, 1900.
Capital Stock, $1,000,000; 1,000,000 Shares, par value $1 each.

4000 ACRES IN SAND FLAT OIL DISTRICT, SHASTA COUNTY

Be on time. You cannot miss it. An investment of a few dollars now may bring you a fortune. The first **fifty thousand shares** of treasury stock will be sold for the small sum of **10 cents a share,** the proceeds to be devoted strictly to development work.

Twenty Thousand Shares are already sold. **Now is the time** to get in on the ground floor and secure your stock before the raise in price.

Derrick will be erected and drilling commenced as soon as machinery can be purchased and placed on the ground.

Two wells now drilling in near vicinity; one within thirty feet of our land.

For information or Prospectus, call on

C. W. POPE,

First Vice-President

11 Montgomery St., San Francisco.

Companies Incorporated.

Pleyto Oil company. Principal place of business, San Francisco. Directors: I Rothenburg, A W Craig of San Francisco, R S Knight, A H Marx of Oakland and A McCaw of Bradley. Capital stock, $200,000; subscribed, $160.

Huasna Oil company. Principal place of business, San Francisco. Directors: M I. Gerstle, J A Fairchild, O J Orena of San Francisco, F H McCormack of Alameda and F Harkness of Los Angeles. Capital stock, $1,000,000; subscribed, $8.

Barrett Oil company. Principal place of business, San Francisco. Directors: A W Barrett of Los Angeles, G W Macfarlane of Honolulu, Hawaii, D D Wass, R H Warfield of San Francisco and A M Gardner of Napa. Capital stock, $500,000; subscribed, $10,000.

Apollo Oil company. Principal place of business, San Francisco. Directors: L Jenks, G W Frost, H C Tilden, C E Bickford and K Wright of San Francisco. Capital stock, $600,000; subscribed, $125,000.

Wemusau Oil & Development company. Principal place of business, Sacramento. Directors: P S Driver, M C Gardner, Jr., W E J Baughman, F L Martin and M J Gastman of Sacramento. Capital stock, $2,000; subscribed in full.

Pearman Oil company. Principal place of business, San Francisco. Directors: E Y Buchanon, J Curtin, W J Sutherland, J P Andews and A H Hogg of San Francisco. Capital stock, $500,000; subscribed $500.

Bessie Oil company. Principal place of business, San Francisco. Directors: W A Jacobs, M Spencer of San Francisco, M A Thomas, J W Dienst of Oakland and H S Montague of Piedmont. Capital stock, $20,000, subscribed, $5.

Banner Oil company. Principal place of business, San Francisco. Directors: J J Seymour of Fresno, H N Blood, T C Judkins, J J McKenzie of San Francisco and E E Bush of Hanford. Capital stock, $600,000; subscribed, $50.

Winters Oil & Mining company. Principal place of business, Winters. Directors: H A Fairbanks of Sacramento, J L Harlan, J E Sacket, S Taylor, of Solano county and Z T Magill of Winters. Capital stock, $300,000; subscribed, $5.

Iris Oil company. Principal place of business, Los Angeles. Directors: E T Lawton, A H Liscomb, G H Freeman, H R Bierce and W E Baxter of Los Angeles. Capital stock, $200,000; subscribed, $5000.

Headlight Oil company. Principal place of business, San Francisco. Directors: F Dalton, H C Bunker of San Francisco, A T J Reynolds of Walnut Grove, J W Davis of San Mateo and A B Armstrong of Fowler. Capital stock, $250,000; subscribed, $75.

Texas Oil & Land company. Principal place of business, San Diego. Directors: M L Ward, J Bent, I M Howe of Chulu Vista, W M Herbert, W R Rogers, N P Titus, V E Shaw, J Ingle, T L Lewis and E W Peterson of San Francisco. Capital stock, $500,000; subscribed, $500.

Elk Creek Oil & Development company. Principal place of business, Oakland. Directors: C Sharp, W A Donnelson, G A Cockerton, J H Simpson and R O Gray of Oakland. Capital stock, $250,000, subscribed, $50.

Roedus Oil company. Principal place of business Madera. Directors: E M McCardle, C E Bonner, G W Donahue, G G Parsons, J E Chapen of Madera, A Clark of Fresno and W A Griffen of Sanger. Capital stock, $1,000,000, subscribed $55.

Yolo & Colusa Oil Land company. Principal place of business San Francisco. Directors: A A Fink of Berkeley, L Hagan, P J Lavin, J J McKenzie, J L King, H Durbrow and W H Sigorney of San Francisco. Capital stock, $500,000 subscribed, $70.

Alaska Oil & Guano company. Principal place of business, San Francisco. Directors: T B Berry, I C Berry, E L Grillen of Ross, B Bangs of Berkeley and C F Weber of Oakland. Capital stock, $250,000, subscribed, $2,500.

Atlantic Oil company. Principal place of business Redding. Directors, J W Hare, J E Reynolds, R H Dunn, J H Tibbets, E A Marshal, L F Bennett and J H Levick of Redding. Capital stock, $500,000; subscribed, $37,500.

Western Oil & Development company. Principal place of business, Bakersfield. Directors: B F Hoy, J A Bone, D E Hoy, F D Dowe and C A Cochran of Kern county. Capital stock, $1,000,000, subscribed, $50.

Encinal Oil company. Principal place of business, San Francisco. Directors: T G Crothers, C S Neal, H M Nowell, J McCaw and R E Russell of San Francisco. Capital stock, $600,000; subscribed, $25.

Anchor Line Oil company. Principal place of business, San Francisco. Directors: J H Aydelotte of Oakland, J W Elrod of Fruitvale, R L Bernier, W H Childers, T Galvin, A W Donovan and J C Watson of San Francisco. Capital stock, $200,000; subscribed, $400.

Coalinga Standard Oil company. Principal place of business, Fresno. Directors: W G Ubridge, W M Waldren, W H Ingels, P Van Loon and C A Murdock of Fresno. Capital stock, $200,000; subscribed, $25.

Midnight Oil company. Principal place of business, Bakersfield. Directors: E P Davis, H P Dover, T O'Brien, E T Lewis, A F Heubner, C F Tielhet and G Flournoy of Bakersfield. Capital stock, $500,000; subscribed, $320.

The Ready Oil company. Capitalization, $900,000; incorporators, B J Riewerts, George H Swain, J W Jones, A J Fallmani J F Densmore of Bradley, Cal; E Bergemann, W McNaul, Charles Forbes of San Miguel, Cal; J M Johnson of Berkeley, Cal; W B Howe of San Jose, Cal.

Umpire Oil & Refining company. Capitalization, $1,000,000; incorporators: J S Miller, Robert Miller, R Whitehead of San Francisco.

Grant Oil company. Capitalization, $375,000; incorporators, E H Aigeltinger, D W Burchard, C W Knapp, A R Patrick, J B Rogers, W A Miller, W G Carpenter, J A Logan, H G McPike of San Francisco.

Hopland Oil company. Capitalization, $100,000; incorporators: William Muehe, Frank Quinn, P F Rockett of San Francisco.

German Oil & Development company. Capitalization, $500,000, incorporators: Purcell Rowe, C B Rich, W H L Curran, T B Rowlings, G V Dazey of San Francisco.

A New Kerosene Engine.

A kerosene engine, manufactured by the firm of August Mietz, 128-138 Mott Street, New York, is coming into considerable use where gas is not available. The engine furnishes a safe and reliable power, and is claimed to be perfectly safe, this is evidenced by the fact that insurance companies do not object to its installation. The engines are operated with ordinary kerosene oil, and can therefore be used wherever this oil is procurable. The makers state that they consume about 1 pint per h. p. per hour, the amount being automatically regulated to the power used by a governor, the motor maintaining a uniform speed. The automatic igniter does away with an electric spark or tube igniter, and thus any source of trouble from internal combustion is avoided; this feature combined with the structural simplicity of the engine renders it particularly useful and reliable even in the hands of untrained attendants. An enclosed crank shaft renders the engine dust proof. It is also extremely rigid, self lubricating, and there is no odor from the piston. The oil for the crank drops into the groove on top of the rod whence it finds its way along to the pin, and these automatic oiling devices operate only when the engine is running. When the engine is to be stopped it is only necessary to throw up a small finger which regulates the oil supply.

Wanted, Oil Men

To know that Chas. W. Palm, the well-known law publisher, is preparing a directory of the oil companies of the Pacific Coast, which will be ready for delivery in March.

Secretaries of companies organized under the laws of other states than California will insure the insertion of their corporations by mailing the names of officers and directors, capital stock and date of incorporation to the publisher, CHAS. W. PALM, 505 Clay St., San Francisco.

J. B. Treadwell, oil operator of the S. P. Co., Ed. Vandercook, A. V. Mendenhall and Charles Boynton of Oakland were at Newman lately looking over the oil fields. Mr. Treadwell is one of the largest oil producers in the state.

Before buying Oil Stock or leasing or buying Oil Lands call on BARIEAU & PERSINGER, Room 115 Phelan Building, San Francisco.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

LINCOLN OIL COMPANY OF OAKLAND, CAL.

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered for A Few Days

Address Lincoln Oil Company, Central Bank Building, Oakland, Cal.

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL, SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lie within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28 27, Kern River district has passed through rich oil sand and will soon be finished with the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PAPROTT BUILDING
S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

A few Reliable Agents wanted to sell our Stock.

A Burner For Oil or Gasoline.

The burners serving for the combustion of liquid combustibles are either of the pulverizing, or of the vaporizing type. The first mode is especially adapted to large burners, while vaporization is generally applied to the small ones.

In the case of the pulverizer-burners the oil is forced into the fireplace by means of steam or compressed air. Although this type of burner is widely adopted, it presents several inconvenient characteristics, the principal one being the intense heating effect of the flame, and the loud noise that accompanies its working.

A vaporizing burner, described by a contemporary, has two orifices, which, when the apparatus is out of action, are kept closed by the weight of the other parts. The weight of these different parts is so allotted that if only a trifling quantity of oil vapor is admitted, it is the upper orifice which is opened first, the dimensions of this orifice being such as to permit of little more than an igniting flame. If the outflow of oil vapor is too abundant, the cones which enclose the extremity of the burner are lifted by the pressure of gas through the lower orifice, and the space permitting the vapor to escape is regulated according to the pressure. A small central rifled rod is arranged in the central tube of the cone, and, guided by this shaft, the cone is supported by the current of oil vapor on which it is actually floating. The projecting inclined parts serve for a similar purpose as the wing of a windmill, effecting a constant revolution of the cone, which prevents the orifices from being obstructed.

To ensure the working of this type of burner, it is only necessary that the oil reservoir should be placed at a sufficient height above the burner, or that a sufficient pressure of air or water should be exercised upon the oil in a receiver, so as to force it through the orifices of the burner in spite of the weight of the pieces which tend to close it in. The dimensions of the flame are regulated in adjusting the quantity of oil passing through the serpentine generator.

To light a burner of smaller dimensions, it suffices to let a small quantity of oil flow into the base of the burner and ignite it with a match; about three minutes later a brilliant white flame appears.

This type of burner will consume : kerosene, residuum, etc. They are constructed for boilers of a capacity as high as 100 h. p., and their adaptability is so great that they may be utilized in cases where only a tenth of the normal capacity is required. They seem to be especially suited for application to steam yachts and automobiles.

Petroleum for Lighting Locomotive Fires.

A petroleum spray is used on the Missouri Pacific line for lighting the fires of locomotives. The apparatus in its general arrangement consists of a reservoir for the oil mounted on wheels, which is connected on the one hand to the jet by a suitable flexible pipe, and on the other to a supply of compressed air, which may be taken from any Westinghouse receiver or pump. The air forces the oil up to the jet, and when it reaches that point, converts it into a spray, the supply of both air and oil being capable of regulation by valves. In using the apparatus the bed of coal is first placed on the grate, and then the jet spray is ignited and directed on to the coal, being moved over the surface of the latter till the whole has ignited, which takes on the average about fifteen minutes.

In Washington.

A dispatch to the Bulletin from Tacoma says: Tacoma is having an oil boom. The Pacific Oil Well company is drilling for oil in a gulch near the north end. Crude oil having a paraffine base exuded from the surface of this gulch, and the prospect was pronounced excellent by experts who visited the spot. Oil has been discovered percolating through the earth in different parts of Tacoma and the suburbs, which the promotors of the oil company think is indicative of an immense oil deposit beneath the surface. Colonel Frank G. Ross, a railroad promotor who is well acquainted with the basins of the Puyallup and Nisqually rivers, believes oil can be found in the desolate gravelly praries lying between Tacoma and Marshel mountain foothills.

Oil to Burn.

The 300,000 barrels of oil which flowed from the Lucas well in Texas before it could be checked will be set on fire because the oil is so mixed with surface dirt that it is of no commercial value. Were it free from dirt the oil would be worth not less than $200,000. This combustion will make one of the greatest fires ever seen.

Dey Crude Struck Oil.

Here's a record that has been quite encouraging to stockholders and managers. Dey Crude Oil company sold their first 20,000 shares in twenty days, and they had their rig on the ground in thirty days after incorporation and not content with that they kept it up when they commenced drilling. The drill was dropped on Monday morning and at night fifty-five feet had been drilled and the first seepages of oil had been met. At the end of the third day's drilling a small quantity of oil was struck sufficient to prove that it was to be a good well, (that is if it had to be proven) for the land is in the producing district just outside the city limits of Los Angeles. With such location and such good fortune as has attended this company from the start it is no wonder that they do not complain in selling stock.

Care of the Boilers.

When boilers are to be left idle for a long time they should be thoroughly cleaned as soot collects and holds moisture, so that corrosion goes on underneath the apparently harmless covering until the plates are ruined. A coat of good paint suitable for iron work will assist greatly in preserving boilers out of use, and as the expense of it is small, it does not pay to neglect it, for good second-hand boilers are frequently wanted by parties who do not care to invest in new ones for reasons of their own; but when corrosion is allowed to eat into the tubes and plates they will soon be fit for the scrap heap only, and are not especially valuable even there.—Ex.

The Esmeralda Oil and Development Company: : :

CAPITAL STOCK 100,000 SHARES
PRICE PER SHARE - - - $1.00

We own 404 acres of the Choicest Oil Lands in the

Vallecitos District, San Benito County

We are now boring and rapid progress is being made.
As our test well struck oil at 32 feet it assures our future.

FREE FROM DEBT AMPLE FUNDS

No Salaries paid to officers. Treasury funds to be used for development purposes only. Limited number of shares to be sold. Stockholders are fully guaranteed against loss.

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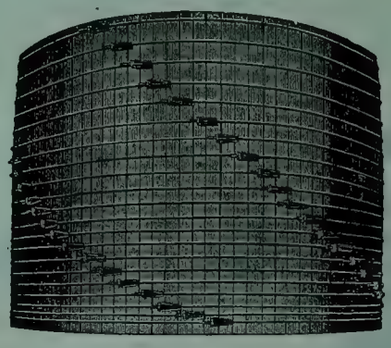

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OIL! OIL! OIL!
Colusa County

. . . THIS TALKS . . .

The stampede to Colusa County has commenced and it's going to be a big one.

Our ground-floor sale of stock at 25c per share will close soon and price advanced. If you want to make money buy while you can.

With 4400 acres, low capitalization, cheap transportation and oil worth from $4 to $8 per barrel, you are getting the best proposition in the State.

Call or write for Prospectus.

The Colusa Consolidated
Oil and Refinery Company
630 Market Street,
Branch Office: Room 325 Parrott Building.

Pacific Coast MANUFACTURING CO.

Successors to **BOOTHE**

MANUFACTURING & SUPPLY CO

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Steam and Gasoline Engines. Boilers. Pumps. Air Compressors

OIL WELL MACHINERY Drills, Tools and Supplies of Every Description

Mining and Milling Machinery, Belting, Pulleys, Shafting, Engineers' Supplies

Under the management of Mr. James A. Haskett, who has, before entering this company, long had charge of the Kansas City branch of the house of Fairbanks, Morse & Co., the stock will be largely increased and a number of new lines introduced, such as will be specially worthy of the attention of miners, manufacturers, fruit growers and others who desire to get the latest and best machinery.

THE DABNEY OIL COMPANY

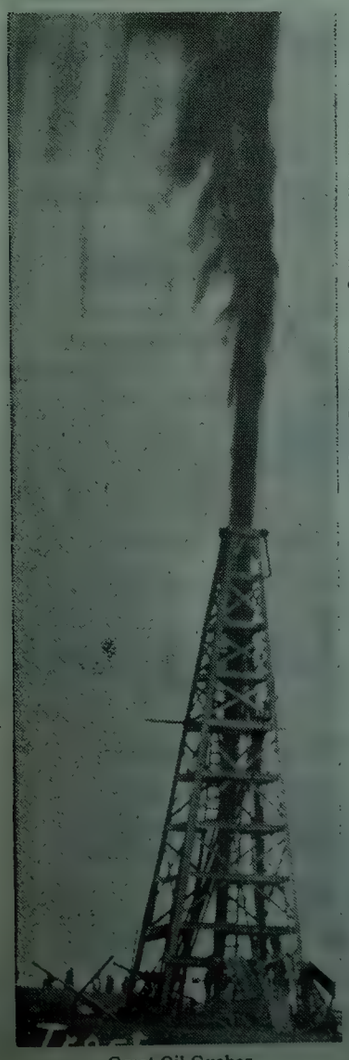
OF McKITTRICK (Incorporated)

Has opened offices in this city at 330 Pine Street, Rooms 5 and 6. The Dabney Oil Company has now Ten Producing Wells. Will complete two more this month and two in March. Will pay a dividend April 1st. Owns the famous Dabney gusher. Is selling oil in carload lots. Offers a limited number of shares of its stock at **$1.00** per share. A gilt-edged investment. Will pay not less than 1 per cent a month in dividends on and after April 1, 1901. Can you do better? Call or address

DABNEY OIL COMPANY, 330 PINE STREET, ROOM 5.

For information and terms for oil in carload lots apply at the office.

. . OIL COMBINATION . .



Great Oil Gusher.

MACPHERSON & CO.

Are selling agents for the following Standard Oil Companies:

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The personnel of all these companies is represented by men of experience and capital.

The combined capital is $2,050,000.

Two complete standard rigs are at work and at present in oil. It goes without saying that oil will be struck by one or all of these companies. One well is now down over 1200 feet, and another over 1000.

A strike of oil will make you independent. You then cannot fail in this combination.

$27.50

Invested in this combination makes you the owner of ten shares of the capital stock in each company—fifty shares in all.

One or all are sure to strike oil. Orders must be accompanied by check or P. O order, and addressed to

MACPHERSON & CO.

Room 501 Hearst Building,
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San Francisco, Cal.

We are members of the Producers' Oil Exchange and licensed by the U. S. Government.

PHONE, BUSH 240.

We reserve the right to advance the price of this list at any time without giving notice.

References: Bank of California, Crocker-Woolworth Bank, Union Trust Co. of San Francisco.

CLOSED BY THE TRUST.

Asphalt Combine Injuring Oil Business in the South.

For the second time an order has come from the asphalt trust to close large works in Southern California. The first order came some months since, and as a result of that order the large works at Alcatraz have been idle. The second is for the closing of the refinery of the American Oil and Asphalt company, probably the best equipped refinery for the manufacture of asphaltum from crude petroleum in the world. This refinery is in Los Angeles, and consumes from 15,000 to 20,000 barrels per month of the oil produced in the local field, a cording to the Herald.

Messrs. Fairchild and Gillmore, who found the great mountain of asphalt in Santa Barbara county and built the line of pipes and refinery at Alcatraz which have become well known over the entire country, established the business of the Alcatraz Asphalt company. Later on the oil industry grew to large proportions, and after much experimental work they hit upon a process of refining the oil which produced a superior quality of asphalt. Then they built up the business of the Western Oil and Asphalt company, with a refinery in this city, and this was organized as the American Oil and Asphalt company which was later absorbed by the trust.

The trust, however, has sources of supply of asphalt at Bermudez and on the island of Trinidad. It is believed here that that asphaltum is inferior to the best refined product of California oil, but considering transportation, it is cheaper than the California asphalt on the eastern coast, where most of the asphalt is used, and it seems to be the policy of the trust to cut off the California supply and use that from the islands. It is understood that even that which has been produced in Los Angeles has not been shipped, but has been stored in warehouses in this city, where there is enough asphalt to meet many demands.

But there is a large portion of the United States which can be supplied from California cheaper than from the East, and while neither Mr. Fairchild or Mr. Gillmore will admit the fact, it is understood that they some time since tendered their resignations to the trust and as soon as they are relieved from ther present posts they will engage in business for themselves on an independent basis.

Some Promising Oil Companies.

BACHELORS OIL COMPANY.

A company with a low capitalization, a good management and a large acreage of good land located in different districts, with drilling operations in progress, is as safe an investment as can be found outside of city real estate or government bonds and will yield 100 times as much revenue as either.

Such a company is the Bachelors Oil company. This company has a board of directors who can be depended upon to manage the affairs of the company honestly and ably. They have a well which is already in the second oil sands, and will probably be completed before many days.

SECTION SIX OIL COMPANX.

The Section Six Oil company of Arizona is intending to begin drilling soon in Poso Creek. This company has a fine section of land there. Just south of the Commonwealth and only a short distance from the well of the Defiance Mineral company, which struck oil recently The snap and quickness with which this company has pushed itself to the front is quite remarkable, and if its managers keep up the pace at which they have started dividends should be in order in record time.

THREE STATES OIL COMPANY.

The Three States Oil company of Arizona, a non-assessable company with a remarkably strong board of directors, is taking bids for drilling a well on their Sunset property just south of the Bachelors Oil company well. The success of the latter company's well has determined the thirty-eight directors to commence work there instead of on their property in McKittrick, where it was first intended to begin. As the distance to oil is far less there hence less cost for developing.

SUNSET VORTEX OIL COMPANY.

The Sunset Vortex Oil company with 240 acres in Sunset and fifty acres in Kettleman district close to the Spreckels' wells at White City, is a company worthy of notice. They are already leasing some small tracts to other companies to develop on royalty, thus getting their land developed with no outlay on their own part. Besides this the company propose letting contracts for drilling some wells of their own and expect operations to begin shortly.

Bakersfield Excursion.

The Santa Fe will run a special excursion to Bakersfield, Oil City and McKittrick, Saturday March 9th, to leave San Francisco at 8 P. M., arriving at Bakersfield the next morning at 7:30. The rate will be $10. to Bakersfield and return, $10 60 to Oil City and return and $13 20 to McKittrick and return. Through first-class coaches. Free reclining chair cars and Pullman sleepers. Take advantage of this excursion and see for yourself the great flowing wells and oil fields of Kern county.

For particulars see Santa Fe agent at 641 Market street, or Ferry ticket office, foot of Market street.

Asphalt Works Rebuilt.

The Refined Asphalt Works of Ventura began operations last Monday. The plant was destroyed by fire about six weeks ago. Mr. Rowlatt, the proprietor, has been hard at work making preparations for rebuilding and getting the plant in shape. The works when wholly completed will be much more extensive than before. As soon as thoroughly under way work will be carried on day and night. Oil will be used for fuel and the plant will be lit by electricity.

Secretary and Accountant

connected with large institution offers his services to a reliable oil company; for either cash or stock in payment. Corporation work and eetings. "Tangles" straightened out, or books audited. A 1 references.

Address, S. E. C., this office.

Wanted:

Position as Oil Well Driller by one experienced in drilling in sandstone formations. Apply to JAS. A. JACOBS, 1935 Mission street.

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Pacific Works

The only Wire Rope Factory on the Pacific Coast.

We make

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For all purposes and with every possible combination of Wires, steel and iron, galvanized or plain.

Wire Ropes Of all Kinds For Oil Well Purposes

And all fixtures and appliances for the use of Wire Rope

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Kern River and McKittrick Districts. Close to railroad and producing wells. Good opportunity to form companies. T. S. ATHERSTONE, 405 Montgomery street, Room 5.

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Paper and Paper Bags, Twine and Supplies of every description incidental to the trade.

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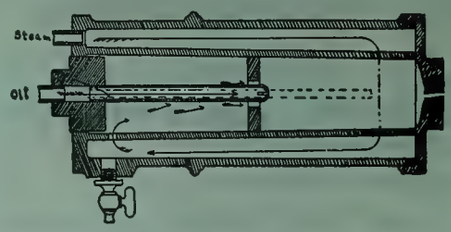
Pacific Coast Machinery Company



Dealers in Crude Petroleum for fuel and gas and manufactures of the Land kin Retort Oil Burner unequalled for economy and ease of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economical equipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil business we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company. If you are thinking of using Crude Petroleum for fuel give us a call.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco.

The Flashlight Oil Co.

Capital $500,000 shares,—$1 each.

Owns 1200 acres in the best part of the the Oil City District, Fresno County The land to be developed first lies but two and a half miles from railroad station No sand in the oil in this district, the oil being of a higher, finer grade than further south.

Stock Non-Assessable.

Capable, conservative men behind the company.

The first sale of the stock is now offered at the extremely low price of 20 cents per share. Put your money with us and help put down our first well and you will get the full benefit of the rise in the stock. Our best oil men say we have as good land as there is in the State Address all communications and make all drafts payable to

F. M. PERSINGER, Secretary
Rooms 115-117 Phelan Bldg. S. F., Cal.

Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

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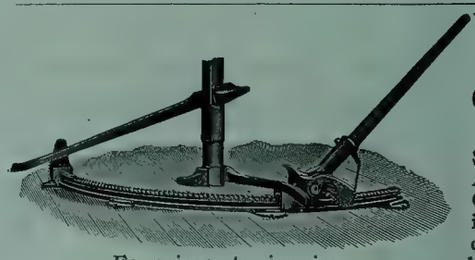

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OIL & GAS WELL RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices, etc., inquire

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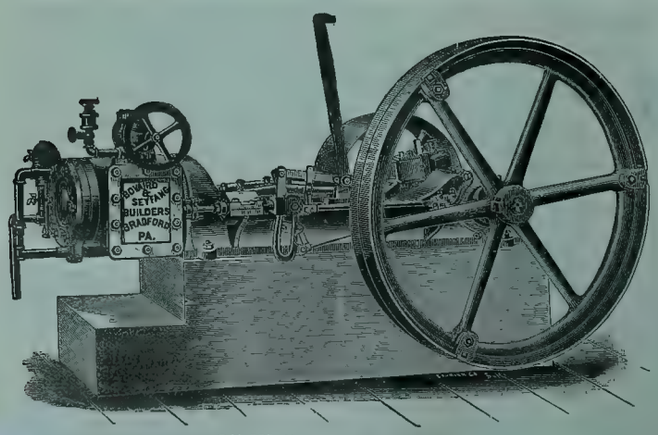

Oil Well Drilling Engine

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SAN FRANCISCO, CAL. BAKERSFIELD, CAL.

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OIL WELL DRILLING MACHINERY

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Printed at short notice and at reasonable prices.

Pacific Oil Reporter Job Office

Rooms 31, 32 and 33

318 Pine Street, San Francisco

Casmalia Ranch Oil and Development Co.

Incorporated under the laws of California
Capital Stock, 500,000 shares at $1 each

The land controlled by this company consists of 13,000 acres of some of the finest oil land in the state, so pronounced by the best oil experts in California. Near our property is already a producing well, and a number of other strong companies are now drilling or are putting up rigs. Our company is now drilling its first well with all possible dispatch, the rig being a first-class Standard rig, and the tools used being of the best and latest make.

We expect to strike oil before 1200 feet.

In order to put another rig at work immediately the company offers for sale 50,000 shares of stock at 25 cents a share. Already a good percentage of this stock has been subscribed. Our acreage is so large that when the land has been proven to be oil land (as it surely is), there will be no difficulty in leasing land in small lots of 40 acres up to hundreds of other companies at a good royalty.

We have already leased a large tract to a company, which will commence immediate operations at a good royalty.

The Southern Pacific Railroad runs through the center of our property, there being three stations on our land, thus giving us the best of transportation facilities. We are within two miles of the Pacific Coast Railroad connecting with Port Harford steamers, and could run a pipe-line to the sea, distant three and one-half miles.

The officers of the company are well-known business men of San Francisco, and have put up their own money for development, thus far. The office of the company is in room 404 Call Building, there the President, C. C. Morehouse, or the Secretary, W. R. Jones, can always be seen from 11 to 2.

Write or call for Prospectus and Maps and Experts' Reports.

THIS STOCK WILL TREBLE IN VALUE IN THREE MONTHS

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Rig Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

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BAKERSFIELD, CAL.

The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem boxes

Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.
It is only necessary to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.

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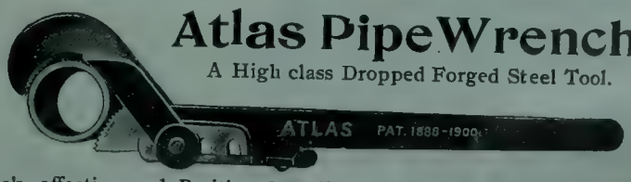
Office, 334 North Main Street, Los Angeles, Cal.

Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.



Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

ATLAS PIPE WRENCH CO. 51 Flood Building, San Francisco.
New York Office, 121 Liberty Street — Works, New Haven, Conn.

JOSHUA HENDY MACHINE WORKS

38 to 44 FREMONT STREET, SAN FRANCISCO

The Best — **The Cheapest**

Climax Oil well Drilling Engine

Equipped with patent Ball Slide Valve, quicker in action than any in the field.

Boilers, Pumping Engines & Steam Pumps For Oil Wells.

Send for price list on our **special pipe** with threaded couplings for oil or water, as serviceable and cheaper than any pipe in the market. Furnished only in following sizes 2 inch, 2¼ in, 2½ in, 3 in, 3½ in and 4 in.

OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

AMERICAN FUEL OIL CO.
Capital $100,000
100,000 shares at $1
Location Los Angeles county.
Officers and Directors, Geo. Easton, president; Geo. W Henderson, vice-president; W L Valentine, secretary; George D Easton, Leon Phipps. Office 638 Market street San Francisco.

BACHELORS' OIL CO.
Capital $200,000
200,000 shares at $1.
Location, 160 acres Bakersfield and Sunset.
Officers: S F Barstow president; W I Pixley, 1st vice president; Tyree A Bell, 2d vice-president; Ambrose Harris, secretary; H L Gear, attorney; Germania Trust Co., treasurer.
Office, 612 Examiner Building.

BONITA OIL CO.
Capital $500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
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COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Boagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal

CYGNET PETROLEUM CO
Capital $150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

COLOSSAL OIL AND MINING COMPANY.
Capital $500,000
500,000 shares at $1.00 per share
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice-president and manager, N Hawthorne Spitzer, secretary and treasurer, A. W. Gale, superintendent of construction.
Offices: Emma Spreckels Bldg. 927 Market St., San Francisco, Cal

CARIBOU OIL MINING COMPANY.
Capital $100,000
100,000 shares at $1.00.
130 acres in the Coalinga district Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital $200
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GRAND PACIFIC OIL CO.
Capital $1,5000.00
1 500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Beardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

GOLDEN REWARD OIL & DEV. CO
Capital $300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice preside t, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street. San Francisco, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital $250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President. Geo A Gray Secretary.
Office, 476 Tenth street, Oakland

GREAT NORTHERN OIL CO.
Capital $600,000
600 000 shares at $1
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer.
Office: 783 Market street San Francisco.

INDEPENDENCE OIL CO.
Capital $600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository.
Office, Room 435, Parrott Building, S. F.

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000 Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5 61.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $300,000. Number of shares, 300,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building). Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital $200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20. 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president. J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital $1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

M. C. Nunan, President. M. L. Culver, Sec. Daniel Meyer, Trs.

Write for Prospectus of the

Great American

AND Inter Nos

OIL AND DEVELOPMENT CO.

Great American 30c per share

Inter Nos 25c per share

We want good live agents in every up-to-date town in the United States.

MOSTELLER & ALLEN, Gen'l Agts.

565-566 Parrott Bldg. San Francisco

J S POTTS OIL, LAND AND DEV. CO.
Capital $600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1110 acres in McKittrick District, 17 Lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; C T Henderson. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. 500,000 shares being sold at five cents per share; 2 wells drilling, 5 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital $200,000
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 125 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA
Capital stock 600,000 shares ..... par value, $1 00
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hallstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamiu, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building San Francisco

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares ..... par value, $1.00
Officers—Wm. Crites, president, F. M. Graham vice-president; J. B. Batz, treasurer, C. E. Hallstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

POINT RICHMOND OIL COMPANY.
Incorporated August 7. 1900 Capital $100,000 Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer; J W Taber, President Taber Photo Co, Secretary Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 42, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

REX CRUDE OIL COMPANY
Capital $500,000
100,000 shares at $5
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton vice-president; W S Armstrong, secretary; F W Sumner, E W Runyon, George W Henderson, H F Bulwer, Geo. Easton, J L Rathbone, C S Benedict.
Office: 638 Market street. San Francisco Cal.

SECTION SIX OIL COMPANY. Incorporated under the laws of Arizona (non-assessable). Capital, $300,000. Number of shares, 300,000. Land, 730 acres in Poso creek and Kettleman districts, Kern county. Officers and Directors—H Lacy, president, San Francisco; W H Shafer, C E, first vice-president, Selma; Tyree A Bell, second vice-president, Fresno; Ambrose Harris, secretary, San Francisco; W T Baggett, attorney, San Francisco. M Boehm, W H Eastman, D G Dexter, Dr J E de S Bettencourt, San Francisco, Germania Trust Company, treasurer, Hon C H Acres, Arizona representative. Offices 611, 612, 613 Hearst building, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, R. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half sec n 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10. east.
Officers and Directors—H W C kling, president; L A Spitzer, vice-president; H A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B Heyman, Arizona Representative, I Freeman. Office, 1327 and 1329 Market street, San Francisco.

SUNSET VORTEX OIL COMPANY.
Capital $500,000
500,000 shares, at $1 00 each.
Incorporated, July 31, 1900.
Land, 290 acres, in Sunset and Kettleman Districts.
Officers and directors—Ambrose Harris, secretary; Tyree A Bell, superintendent, John I Greer San Rafael, W B Taylor, San Rafael, D C Campbell, Los Angeles. A H Brod, Paul Redfield Lewis, L Barrere, San Francisco, H L Gear Frank N Stone, attorneys, Germania Trust Company, treasurer.
Offices 611 612 613 Hearst Bldg, San Francisco.

SURETY OIL COMPANY
Capital $600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary, D. A Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THREE STATES OIL CO Limited
Capital $1,000,000
1,000,000 shares at $1.
Location: 240 acres in McKittrick and Sunset Districts, Kern county.
Officers: Hon John H Shine, president; W R Thomas, 1st vice-president; T A Bell, 2d vice-president; Ambrose Harris, secretary; E S Tutt Hon E P Colgan, I N Puttison, M F Levy
Office—612 Examiner Building.

THE RAVEN OIL COMPANY.
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-24, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary, D G Overall, superintendent, Paul V. Finch. Bank of Bakersfield treasurer
San Francisco office--Hon. John R Aitken, Clunie building, 503 California street

U. S. OIL AND MINING CO.
Capital.....$300,000.
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671

X L N T OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W ½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco Ca

YUKON CRUDE OIL CO.
Capital.....$250,000
100,000 shares at $2.50
Location, Los Angeles county.
Officers and directors: Henry J Crocker, president; Wendell Easton, vice-president; W S Armstrong, secretary; J L Rathbone, E W Runyon, C S Benedict, Geo. Easton, Jno F Merrill, F. W Sumner and Geo W Henderson.
Office 638 Market street, San Francisco

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The Occidental Exploration Company buys, develops exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

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Builders and Contractors for

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Estimates furnished and contracts taken for building Oil Well Rigs, Derricks, Cook and Bunk Houses complete, ready to operate in any part of California.
Lowest prices quoted on Casing, Drilling Tools and Oil Well Supplies of every description. Satisfaction guaranteed.

OIL LANDS.

1,000 acres, title United States Patent, Devil's Den District; $27,500; 320 acres, San Benito county, near Wells, only $15 acre; 40 acres, Kern River District, $32,000; 320 acres, McKittrick District, $27.50 acre; snap in Sunset. E. B. HUNSAKER, 6 Eddy street, San Francisco.

American Tool Works

JOSEPH EASTWOOD, Proprietor.

Oil Well Drilling and Fishing Tools

Manufacturers of **W. W. Swan Expansion Under Reamer**

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—— MANUFACTURERS OF ——

Stationary and Portable Boilers, Steam Engines,
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DRILLING TOOLS
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Quick and accurate returns at moderate prices.

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Original owner of Oil Lands in
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MONTEREY and
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Counties.

Forty to one hundred acres of free and given for development.
Address 479-480 Parrott Building
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Headquarters School and Government Lands.

Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick, Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

WISEMAN'S LAND BUREAU
237 W 1st street
Los Angeles, California.

400,000 Shares of Oil Stock

NON-ASSESSABLE STOCK

California & Utah Oil Company

Incorporated under the laws of the State of South Dakota. Capital $1,500,000; par value $1.00 per share.

CALIFORNIA OFFICE **ADAMS BUILDING, 206 KEARNY ST.**

ROOMS 413 AND 414, SAN FRANCISCO, CAL. TELEPHONE MAIN 846.

E. V. BUCKOW, President. R. D. HEALEY, Vice President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository

——— The lands are located as follows: ———

Great McKittrick	160 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	160 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

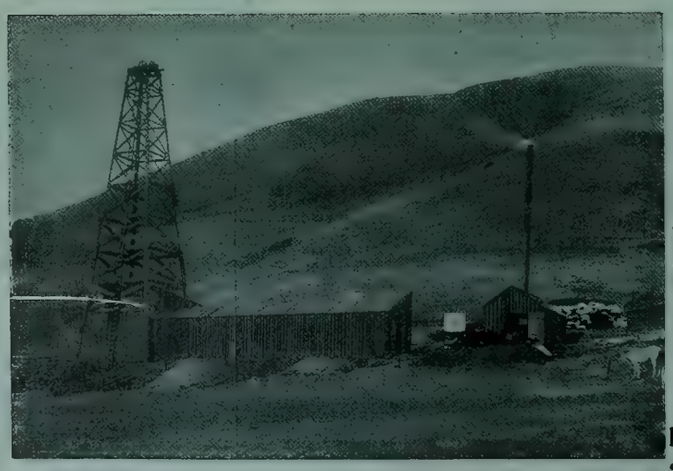
Drilling on Section 10, Township 30 S, Range 21 E, McKittrick District, to be commenced early in March. This property is adjacent to the largest producers in the State.

The first block of stock is now selling rapidly at 25 cents per share. The second block of stock to the amount of 100,000 shares will soon be on sale at 50 cents per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

GRAND PACIFIC OIL STOCK



Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non - Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages:

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts, as follows: Sunset and McKittrick District, Kern County; Coalinga District, Fresno County; Kettleman District, Kings County, and Contra Costa County.

SECOND—Stock is absolutely Non-Assessable.

THIRD—Large Capitalization by which successful development in absolutely assured.

12,000 Shares Sold in One Day.

One hundred thousand shares sold in less than three months. Second 100,000 shares now selling rapidly at $1.00 per share; when sold 3rd 100,000 shares will be placed on the market at $2.50 per share

The officers of the company are all well-known business and professional men. A. G. Deardorff, President; J. M. Merrell, Vice-President; John Choice, Secretary; Wells-Fargo Bank, Depository; F. A. Berlin, Attorney; Franklin Person, Superintendent Agencies. Directors: J. M. Merrell, E. H. Baxter, J. A. Miller, John Choice, J. C. Sala, F. A. Berlin, R. L. Rigdon, A. G. Deardorff.

Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

Endorsed by the California Petroleum Miners' Association.

VOLUME 2

NUMBER 19

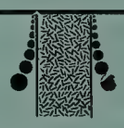
PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MARCH 15, 1901.

R.H. HERRON CO.
DEALERS IN
Oil Well Supplies
Largest House on the Pacific Coast.
THE LATEST IMPROVED MACHINERY AND TOOLS. READING CASING AND TUBING.
SAN FRANCISCO. LOS ANGELES.
BAKERSFIELD. HANFORD
AND COALINGA.

2,000 MORE SHARES OF

Sovereign Stock at 75 Cents Each



THREE DRILLING RIGS AT WORK

Location of land and management are two essential points to be considered before investing in oil stocks—both are factors in measuring profits. Progressiveness in management is necessary for quick returns. The Sovereign Oil Company was incorporated on October 15th last TO DRILL FOR OIL. It now has two completed wells (capacity 300 barrels) and well No. 3 is down 400 feet. Rigs are being moved from wells No. 1 and 2 to derricks 4 and 5, and wells No. 4 and 5 will soon be under way. Orders will be received for 2000 shares of development stock in order of receipt. Prospectus and Maps if you wish them.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

UNDER DIRECT MANAGEMENT OF H. H. BLOOD AND WILLIAM ELLERY.

KERN VALLEY OIL COMPANY

Great Opportunity for investors in oil to get in on the ground floor. 6,600 acres of land. Three wells to be bored at once.

Cottonwood District, Kern County, Cal., is fast advancing to the front. Will be the largest producer soon.

HOW STOCKS HAVE ADVANCED

The following table shows how a few of the many oil stocks have advanced, mostly within three to eight months' time from commencing:

	Started at per share	Advanced to per share
Oceanic Oil company	$ .40	$ .83
New Century Oil company	.25	1.00
Black Mountain Oil company	.05	1.50
Central Oil company	.30	1.50
Fullerton Con. Oil company	.50	1.90
Home Oil company, Whittier	.25	2.50
Sterling Oil and Development company	.50	2.50
Dillon Oil company	.25	3.50

	Started at per share	Advanced to per share
San Joaquin Oil company	$ .50	$ 11.75
Kern Oil company	.35	8.75
Kern River Oil company	.50	16.50
Alcalde Oil company	.50	150.00
Kreyenhagen Oil company	10.00	350.00
Columbia Oil company	115.00	400.00
Home Oil company	1.00	4.00

Kern Valley Oil stock will be $1.00 in a short time.

Investors Absolutely Protected

WE OWN OUR LAND

The Kern Valley Oil Company is incorporated under the laws of South Dakota.

ITS STOCK IS ABSOLUTELY NON-ASSESSABLE

so you take no chance of losing your stock by assessment after once having bought it. The capitalization is 500,000 shares of par value of $1.00 each, with 200,000 shares in the treasury. Our officers and directors, of whom there are eleven, are men of marked integrity andbusiness ability. Our lands have been selected with care by competent oil men, are among the best in the various districts in which they are situated, such as parts of Section 7, 28-28 and 24 Township 28, North, Range 27 East, in the Kern River district, besides many other choice locations in Kern River district and Cottonwood district, Kern county; also lands in San Diego, the Sunset, Poso and Glenn County disricts. We will have a drill going on our lands in about 30 days, besides we are contracting for the sinking of two wells at once with parties who are ready to go to work.

We Now Offer 50,000 Shares at 10 Cents Each

This stock will soon advance to 25 cents. It is going fast. Lands for sale or lease on the most reasonable terms.

OFFICERS—W. E. ADAMS, Presdient. IRVIN D. MARTIN, Vice-President. F. R. DERMER, Secretary. UNION TRUST CO., Treasurer, J. H. EDSON, Madager. JUDGES GOLDSBY AND DAY, Attorneys;

Office Kern Valley Oil Company

Room 13, Mills Building, 5th Floor, San Francisco, Cal.

Trustworthy Agents Wanted in California and in the East

PACIFIC OIL REPORTER

Vol. 2. No. 17. SAN FRANCISCO, CAL., FRIDAY, MARCH 15, 1901. Price, Ten Cents

MONTEREY COUNTY.

A District that Bids Fair to Rival the Great Kern Oil Fields.

Many Companies are now Drilling, with Every Indication of Striking Oil at no Great Depth. Seepages Abundant in Blue Shale.

Unless all signs fail Monterey county will soon come to the front as one of the most productive oil districts in the state.

Although as yet oil has not been struck in large quantities in any portion of the county, nevertheless the developments already made prove that the prophecies of State Mineralogist Cooper, based on scientific facts, will prove true and within thirty days at least a half dozen wells will have pierced the oil sand and oil in paying quantities will be struck of a character which will make the oil saleable at the highest market price.

Said Mr. Cooper in a recent interview, "I think Monterey county is one of the coming districts, and it will be a great one if oil that is liquid enough is found at a reasonable depth. The sands go down at a high angle and are well covered. No analyses have been made but the oil that separates from the mud from the San Ardo wells, when it is stirred in water, shows that it is a light oil.

„The fact that gas was encountered in drilling this well would also point to the fact that liquid hydrocarbons exist in the neighborhood."

The favorable opinion entertained by Mr. Cooper in regard to the oil prospects of Monterey county has been shared by all the other experts who have visited this neighborhood.

As a result of these careful scientific examinations a number of companies have been formed, many of them composed of the most energetic and enterprising business men of San Francisco, who have not only formed these companies but who have raised among themselves many thousands of dollars for the purchase of rigs and the most modern machinery and tools, for the purpose of drilling wells to a depth sufficient to reach the oil sands which are known to lie beneath the surface.

That oil is to be found beneath the surface is proved by the numerous seepages which can be found in various localities scattered throughout the length and breadth of the southern end of Monterey county.

These seepages do not lie in any one locality, but are to be found in a region which extends from below the line of Monterey county north above San Ardo and east from beyond the San Benito county line to the western side of the Salinas valley.

The present development work in this district is confined to perhaps a half dozen companies, but a dozen others are now being formed and the money is being raised so that the development work can be expected to be commenced by probably twenty companies inside of sixty days.

Those operating at present are the Great American company on 2, 25-10. This company has a well down about 150 feet in blue shale and has over 4000 acres of valuable oil land. The officers are: M. C. Nunan, of the San Francisco Gas & Electric Light company, president; D. H. Mosteller, of Mosteller & Allen, vice-president; M. L. Culver, superintendent of Station B Post Office, secretary; C. W. Duffie, contractor and builder, manager; and Daniel Meyer, treasurer.

The company has incorporated three sub-companies as follows: The Normal Oil company, which is now drilling on 4, 23-10, with exceedingly good prospects. They are down 150 feet. The other two are the Old Colony Oil company and the Monterey Central Oil companies, both of which will be drilling inside of sixty days. The Great American Oil company expects to strike the oil sand inside of 800 feet. The well is located only seven miles from the railroad and a pipe line can be laid at a nominal expense.

The San Antonio Oil company after drilling nearly 700 feet found they had started their well with too small a casing and are now moving their rig preparatory to drilling a larger hole.

The Salinas Oil company are now down nearly 300 feet.

The Western Exploration company are also down about the same depth.

The Tomboy, located near San Ardo, are down about 900 feet and got into the second sand last Saturday with abundant seepages of oil. They expect to get into the coarse oil-producing sand at 1100 feet.

The White Oaks Oil company in 35, 24-10, will start drilling on Monday next.

The Monterey in 27, 24-10 are down 800 feet, and although the drill has not yet struck the oil sand the drillers are getting seepages in blue shale.

The Nascimiento Oil company in 13, 25-10, are down 140 feet in shale with oil seepages.

Well of Great American Oil Company, Monterey County, Cala.

The Paraiso in 34, 24-10, are now hauling lumber on the ground preparatory to building a rig.

The Veratino are also getting lumber on their land on 35, 24-10.

Arroyo Seco will soon have their derrick finished on 16, 19-6.

At San Lucas a local company has been formed to operate on 24, 22-8. They expect to have their drill dropping inside of thirty days.

At Bitterwater the Nonpareil Oil company have built a new derrick and are down 100 feet on their second well. The first well did not prove a success on account of an error in its location though numerous seepages of oil of excellent quality were obtained. It was decided to drill a second well where experience has proved the oil strata could be struck at a lesser depth.

The San Ardo on 12, 22-9, is still drilling and expects to strike oil sand at any day at a depth of about 1,000 feet.

THE PETROLEUM TRADE OF THE FAR EAST.

Competition of American and Russian Oil for East Indian Business.

(Correspondence Petroleum Review, London.)

The growth of the petroleum trade of the far east has been almost phenomenal during the last two decades, and particularly during the latter. Even the last five years has seen an enormous growth, and a conversion from previous methods. Bulk carriage has come into force, and in other ways the trade has greatly changed. The bulk oil trade has, by itself, necessitated large capital expenditure for construction of storage tanks. Generally speaking, the trade divides itself, nowadays, into two classes, the case oil trade and the bulk oil trade. The former is supplied by American and Sumatran oil, and the latter mainly by Russian, and quite recently by Dutch Indian oil. This latter oil, as the sources of supply come more into bearing, will, doubtless, make its influence felt in a greater degree. The American oil trade is now entirely in the hands of the powerful Standard Oil company. This company, since it took the export trade entirely into its own hands, has left no chance for any of the numerous firms previously engaged any opportunity to carry it on. The trade in Sumatran case oil is almost as close a monopoly, and in one or two of the ports in China there have been erected tanks, so as to deal with the oil in bulk also. This is notably the case at Foochow, where tanks and the necessary fittings have been erected a few months since, and are now ready to deal with the trade in a more extended manner than formerly. When we come to the other competing commodities—the Russian and Bornean—both these sources of supply, which are, in each case, carried in bulk, are in the hands of the Shell Transport and Trading company.

Installation at Kobe, Japan.

Oil Tanks at Nagasaki, Japan.

THE COMPETING OILS.

I may, perhaps, note here that Borneo oil is gradually being placed on sale at all the various distributing ports of the far east, from Penang to Yokohama. To take one recent instance alone—in Japan. In that country one of the most powerful factors in the oil trade of the country is Mr. Asano, a wealthy Japanese capitalist, who has schemes in almost every commercial and industrial direction. He has arranged for a certain importation of Borneo oil each month, which amounts to about 2,000,000 gallons per month. The first shipment reached Japan in November, and the "tankers," Strombus and Clam, reached Japan in December with 1,500 tons and 2500 tons respectively. A native Japanese paper points out that Borneo oil is not only superior to Russian oil, in which Mr. Asano had previously mainly dealt, but that it only took fifteen days to get supplies up from Borneo, as against the forty to sixty-five days that is required for transit from Batoum, on the one hand, or New York on the other.

It would seem that the trade—an enormous trade both in quantity and value—is largely in monopolists hands, but the price is always under control. In the Malayan district, covering the Straits Settlements, Netherlands India, Siam, French Indo-China, and the Philippines, there are always the competing interests to check the price. The extent of profit (if any) is sure to be curtailed by competition. The same causes are at work in the China field at all the Treaty ports. There is, likewise, in this huge empire, the controlling factor of native products. A Chinaman, like every other being, prefers a good light, but his economical mind is guided by considerations of cost, and, in his case, there is a competing native article. There is always pea or groundnut oil, or bean oil, to keep the price of kerosene oil in check. You have only to visit, say, Newchwang, the great port of export for beans and beancake, and see the oil being pressed in large quantities to know that the frugal soul of the Chinaman will not pay more than a fair market price for the foreign illuminant. So, likewise, the southernmost Treaty ports of China do a large trade in ground nut oil, which is used for both cooking and illuminating purposes.

THE TRADE IN CHINA.

I do not propose to weary your readers with voluminous figures, but the imports into China for a few years may show the development of the trade. The following are those for the last years of the decennial period 1882-1891, as taken from the published figures of the Chinese Imperial Maritime Customs:

Oil, Kerosene, American and Russian, gallons:

1886	1887	1888
23,038,101	12,015,135	16,613,090

Oil, Kerosene, American, gallons:

1889	1890	1891
14,999,942	23,591,113	39,348,477

Oil, Kerosene, Russian, gallons:

1889	1890	1891
5,655,471	7,237,611	10,000,902

When we come to the statistics for the last two years for which the figures are available, we see how the trade has grown and to what dimensions it has attained. They are as follows:

	1898 Quantity Gallons	1898 Value *Haikwan Taels
Oil, Kerosene, American	50,084,015	6,797,922
" " Russian	19,926,246	2,202,214
" " Dutch Indian	26,871,865	2,914,533

	1899 Quantity Gallons	1899 Value *Haikwan Taels
Oil, Kerosene, American	40,724,989	6,5 1,789
" " Russian	35,695,116	4,891,380
" " Dutch Indian	11,993,202	1,608,474

* A Tael is equal to about 3s.

It is difficult to account for the ups and downs, both of the total consumption and also of the varieties of oil on the market. They are capricious at each port, both as to total quantity and also as to place of production. This may be gleaned somewhat from the figures given above.

THE TANK INSTALLATIONS.

I will pass on to the question of the tank installations which have been set up at nearly every port of the far east. These are invariably erected at some distance from the town centers on account of anticipated danger of fire. At Singapore, the installation is on an island outside Blakan Mati Island, which forms one side of New Harbor, where the docks and wharves are situated. The island is known as Pulo Bukan, and here a series of storage tanks has been erected for both illuminating oil and liquid fuel, with convenient pipe lines for loading and discharging. The installation here, as in the majority of instances at the ports in the far east, is the enterprise of the Shell Transport and Trading company; they are all on very similar lines and are fitted in the latest way for dealing with the cargoes with rapid dispatch. They are all provided with canning apparatus to aid in local distribution. The arrangements are very similar at most of the establishments but there is a novel method of mechanically filling the cans, with the required quantity, at Amoy, on the China coast, that deserves mention. This arrangement measures off the exact quantity of oil and fills the cans automatically. One man can fill a dozen tins at once, which means a great economy of labor over other methods employed at the other ports. The machine I saw was the first of its class and had been experimentally set up there. Its success was such that it will doubtless be extended to other ports. As the machine is capable of use on an extended scale, its utility will not be confined to the dozen tins only, as in operation in Amoy; it will, probably, be so used and result in even greater economy. The machine is fed direct from the storage tank which has itself received its supply from the tank steamer, so that the whole process is carried out with a minimum of labor.

Installation of Tanks at Bombay.

Pulo Bukan, Singapore.

Each port throughout the far east has its own method of local distribution, whether for oil that has arrived in case or bulk. Native boats largely enter into this distribution. Some of these vessels have been fitted with tanks, and carry the oil in bulk up country by river or canal. This is done at several ports in China. On arrival at a village, the customers bring their own tins or receptacles for the oil that is measured out, sold and paid for right off. This is an economical and convenient method of distribution that naturally assists sales.

It is certainly worth noting that

the tins themselves when their contents have been consumed, form quite an article of commerce. There is scarcely a dwelling, that is within reach of oil being distributed to it, that does not possess at least one old kerosene oil tin. They are used for almost as many purposes as the ubiquitous bamboo, except that you can even use young bamboo shoots as food and you cannot exactly emulate the ostrich by an internal consumption of oil tins. Short of this, they can be and are used for a hundred different purposes. In a perfect condition, they may be used to fetch water from well or river; in a leaky condition, the solder can be run off the edges, the sides flattened out and used as roofing for houses. No Malay, Javanese or other inhabitant of Malay, no Chinaman particularly, and no Japanese or Korean despises an old kerosene tin, any more than he does an empty beer bottle. What he can use it for, or convert it into, would astonish one if a list were compiled.

Another point to be noted is that kerosene at times comes under the ban of Chinese officials at some of the Treaty ports in China. It has done so once or twice at Canton, for instance. The Chinese may have been careless in its use, or employed very inferior—because cheap—lamps, and a conflagration more or less serious has been the result. The local authorities will issue proclamations against the use of kerosene, with threats of all sorts of pains and penalties against all and sundry who may use it. These proclamations are effective, or not, for long or short periods according to the amount of earnestness really intended, or, indeed, whether the traders interested in the trade sufficiently pay up to render the edict a dead letter.

THE JAPANESE FACTOR AND THE STANDARD OIL COMPANY.

Before closing this brief account of the oil trade of the far east, I may allude to the possibilities of another competitor entering the field. This is Japan. In the province of Echigo, on the western coast, the industry of oil extraction is a very old one—possibly hundreds of years. It has hitherto only been on a small scale, and with rude appliances, but is now being prosecuted by, what I may term, American methods, and large capital employed. It has recently assumed a degree of prosperity hitherto unknown. Among the many companies recently started is the American Kerosene Oil company, which is an offshoot of the Standard Oil company. It has a capital of 100,000 yen (a yen is a Japanese silver dollar, worth about 50 cents) provided partly by Japanese and partly by foreigners. The Standard Oil people have sent their agents into the district to explore the country, and report says the result of their studies is very encouraging. The present companies have been applying themselves with considerable activity to the extraction of oil, but so far little has been done by way of refining. Now there is a rush to get clear oil produced by the latest foreign methods. The Standard Oil company has acquired the necessary ground for the erection of a distillery, and American engineers have been engaged by some Japanese companies. Pipe lines are likewise coming into favor, and thus the question of transport is being solved for carrying oil over greater distances. One company recently sought the permission of the railway authorities to lay pipe lines beside the railway from Kashiwazaki, in the oil district, to Tokyo. They proposed to bring the refined oil, by this means, over 200 miles to the capital. The railway administration refused, however, to agree to the request. I may add that previous to the companies being founded, the transport of oil took place entirely with men or horses. The enterprise, so far, has given rise to a good deal of speculation, and the shares, in some cases, have been run up. Anyway, the magnitude of the operations seem to be astonishing the inhabitants, and to be making the government active. Two special officials have been despatched by the Customs in connection with the landing of the Standard Oil company's plant. There has been talk of an alliance on the part of Japanese oil men for the purpose of competition, but it now seems that combination with the big company is more probable. Any way, the operations have evoked certain jealousies, so much so, that a native paper denounces the opposition created to the company's operations, and asks its countrymen what they mean by asking for the introduction of foreign capital to develop the country, and then placing obstacles in the path of its easy inflow when the desired consummation comes in sight. I should explain that capital is badly wanted in Japan, and it was anticipated, when the revised Treaties came into force in 1890, that much would be introduced. So far, very little seems to have been attracted.

A certain amount of exploring work has also been done recently in the Philippines. Though there are indications in several places, there is nothing definite to report at the present time. From what I have said, however, it would not appear that the really very great trade in oil in the far east is likely to want for supplies.

A Vein of Coal.

The Glenn County Oil and Coal company's drill went through a 6-foot vein of coal last Saturday at a depth of over 500 feet, says the Willows Journal. It has caused a ripple of excitement among the stockholders of that company.

GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company,
504 Parrott Building,
San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

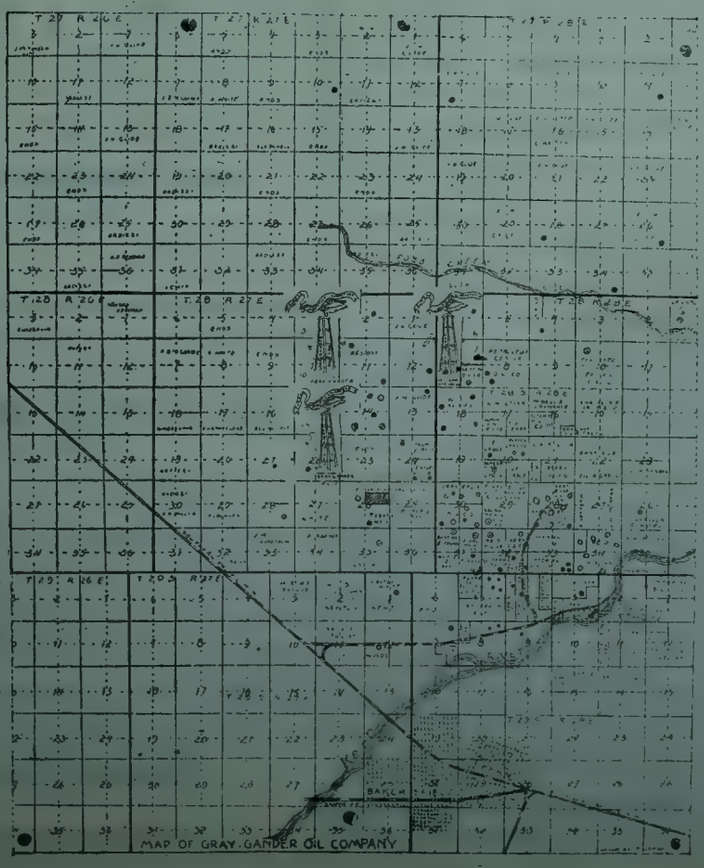
2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

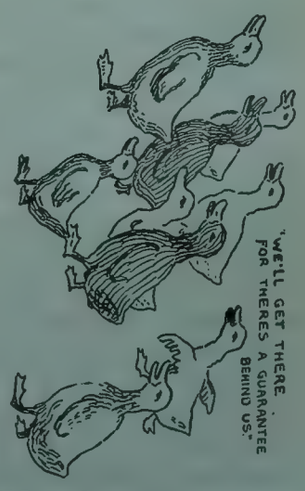
3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.





Oil Comp'ny

Incorporated under the laws of South Dakota June 21. 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deveopment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... .....G. F. ABBOTT

Write or call at office 330 Pine street Rooms 44 and 45, for special inducements for short time.

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The Oil authority of the Pacific Coast

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FRIDAY, MARCH 15, 1901.

About Fake Companies

There always has been, there is, and we suppose there always will be more or less of a cry about "fake oil companies."

As a matter of fact we believe this howl about dishonest companies to be largely unwarranted. As a rule oil companies are incorporated on honest principles. They either own or lease land on which they expect to find oil. Sometimes the original promoters have no money. This fact does not make the incorporators open to the charge of having established a "fake company." They expect to sell enough stock at a small figure to enable them to develop their properties, and if they strike oil to make themselves rich through the value of the stock they hold, which has cost them little or nothing.

If the company does not succeed in selling enough stock to drill a well, and does not comply with the terms of its lease, the chances are that it will fail, and be pronounced a "fake." Yet the original promoters, though moneyless, were honest in their intentions, and if they could have raised sufficient money could have bought a rig, drilled a well and might have struck oil, which fact would have made their stockholders satisfied.

Another so-called species of fake company is that where the promoters get sufficient money, and do not find oil; consequently the stock they sold at 50 cents or $1 is decried as the stock of a fake company. This is not right. If the company had struck oil, and the stock had advanced in price, every stockholder would have congratulated the promoters and directors, and there would have been a mutual admiration instead of a back-biting society—a love feast rather than a gathering of Kilkenny cats.

A real fake company is one where land is secured in some section where there are no evidences of oil, where much money is taken in through advertising which is largely misrepresentation and where the money thus received simply goes into the pockets of a few promoters who intended from the start that it should go there instead of into any development work.

THIS LAST IS THE ONLY KIND OF COMPANY THAT DESERVES THE APPELLATION "FAKE."

If there are any such in existence the PACIFIC OIL REPORTER is not aware of the fact. If it was it would expose such a company to the utmost.

If any one knows of such a company it is his duty to inform us, that we may investigate the facts and give them the greatest publicity not only for the good of possible investors but for the benefit of the oil industry of California.

What we do not want is for a lot of people who invested $25 under the expectation it would bring them $1000, and who because they were disappointed in the result to start up a howl of "fake."

If you play poker, and lose, take your medicine and don't cry "fraud." If you buy oil stocks in a company operating in a new territory, and the company doesn't succeed in striking oil don't yell "fake." Take your medicine like a man, and don't make a wry face.

But if you have been cheated by a lot of sharpers, who have taken your good money and, have put it in their jeans without spending any of it for development work, let us know about it, and we will show them up in such a way as will absolutely deter others from rendering themselves liable to get behind the bars for obtaining money under false pretenses.

But we want it distinctly understood that no fake company, nor anyone connected with any such, has any place in the columns of the PACIFIC OIL REPORTER.

New Incorporation Fees

It seems that California has been one of the cheapest states in the Union in which new companies might file incorporation papers, the expense attached to such filing being about fifteen dollars. Advantage of this fact was taken by oil companies which did not own a dollar's worth of property. Last week there were thirty-nine new companies which filed articles of incorporation with the Secretary of State, and of this number nineteen, or just one-half, were oil companies. The others were mercantile (10), manufacturing (7), mining (2), and social (1).

An act has been passed by the Legislature and approved by the governor on Feb. 28, fixing a graduated scale for filing incorporation papers. This act is intended to amend Section 416 of the Political Code and seriously affects the cost of forming new companies. Its provisions relative to articles of incorporation are as follows:

If the capital stock amounts to $25,000 or less, $15; for $25,000 and not over $75,000, $25; from $75,000 and not over $200,000, $50; from $200,000 to $500,000, $75; from $500,000 and not over $1,000,000, $100. Over $1,000,000 the fee is $150. For filing of articles of incorporation without capital stock, the fee is $5. For cooperative associations, $15.

The nineteen new oil companies mentioned as being incorporated last week would be affected as follows:

Class	Companies	Capital	Total Capital	Total Sub'd	Fees
over 1,000,000	1	1,000,000	1,000,000	700	150
500,000 to 1,000,000	5	500,000	2,500,000	3,165	500
200,000 to 500,000	9	200,000 to 400,000	2,750,000	179,995	675
75,000 to 200,000	2	100,000	200,000	76,411	100
25,000 to 75,000	1	50,000	50,000	30,000	25
under 25,000	1	11,000	11,000	1,100	15
Total	19		6,511,000	291,361	1,465

This makes an average of about $70 apiece, while the previous charge of $15 each would aggregate less than $300. Of this money $125 per month goes to the State Library and the rest to the general fund. While the evident aim of the amendment is to encourage the issue of smaller amounts of capital stock, it cannot be said that such a measure will be other than beneficial to the oil industry of this state. Any company which has holdings which would justify a capitalization of half a million dollars would not be deterred a moment by the difference in cost of incorporation, and it is only those who want to get rich on a "shoestring" who will appraise leases which cost them nothing at a few hundred thousand apiece and sell their stock on this basis. The ratio between the capitalization and amount subscribed, though in actual business it has no real significance, is an amusing feature to a spectator not familiar with the modus operandi of stock promotion, as the idea of a company whose capitalization is well in the millions with only five dollars worth of stock taken has a ludicrous side. The new measure should have provided for the question of non-assessibility, as the increase of cost in this state will naturally result in increase of foreign corporations organized under the laws of other states. The cost of incorporating under the Arizona law is about forty dollars, and in spite of the additional expense a large number of California corporations have been organized under these laws, and this number will now be increased, in spite of the probable illegality.

PARAFFIN
In Colusa County

We Have 4414 Acres of the most valuable oil-bearing land in this county. Our valuable paraffin oil is worth from $4 to $8 per barrel.

NOT A FUEL OIL

Our capitalization is only $500,000. Location, 7 miles from railroad; 15 miles from Sacramento River. With both these sources of transportation no railroads can own our output. Applications for stock can be made at office.

Colusa Consolidated Oil and Refinery Co.

630 Market Street,

Opposite Palace Hotel, San Francisco.

Write for prospectus.

THE KESWICK CRUDE OIL COMPANY

STOCK NON-ASSESSABLE

Incorporated under the laws of Arizona, December 29, 1900.
Capital Stock, $1,000,000; 1,000,000 Shares, par value $1 each.

4000 ACRES IN SAND FLAT OIL DISTRICT, SHASTA COUNTY

Be on time. You cannot miss it. An investment of a few dollars now may bring you a fortune. The first **fifty thousand shares** of treasury stock will be sold for the small sum of **10 cents a share,** the proceeds to be devoted strictly to development work.

Twenty-five Thousand Shares are already sold. **Now is the time** to get in on the ground floor and secure your stock before the raise in price.

Derrick will be erected and drilling commenced as soon as machinery can be purchased and placed on the ground.

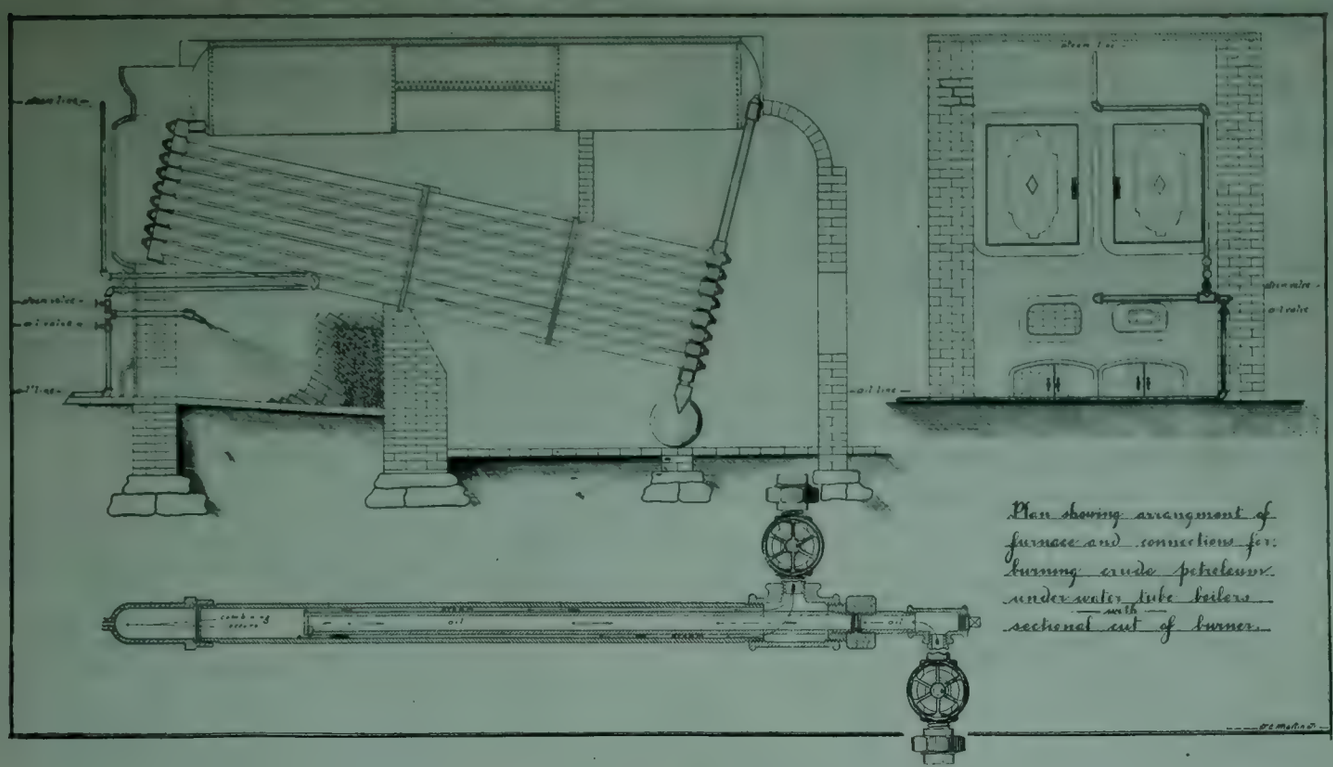
Two wells now drilling in near vicinity; one within thirty feet of our land. For information or Prospectus, call on

CHARLES W. POPE

First Vice President

11 Montgomery St., San Francisco.

NEW PLAN OF INSTALLING FUEL OIL BURNERS FOR STEAM PURPOSES.



Longitudinal Section and Front Elevation of Plant using Martin Burner with Babcock & Wilcox Boiler.—Section of Burner.

The installation of fuel oil burning plants is constantly becoming of more interest to the oil trade, and several hundred styles of burners have been patented for this purpose. The different styles comprise direct pressure feed, steam or air blast feed, and retort apparatus. One of the most recent plans for this purpose has been arranged by J. C. Martin, Jr., consulting mechanical expert in the installation of fuel oil plants, living at 710 Van Ness avenue in this city.

The cut represents an installation plant with a Babcock & Wilcox boiler. A characteristic feature is the use of a jet of steam superheated in the flame before using, which gives and maintains a higher temperature in the flame. The complexity of the chemical composition of fuel oils is well known, and the tendency to give off vapors from 100° C. up to the boiling point of oil makes a difficulty by the formation of carbon in the passages of the burner about the temperature of the boiling point.

In the Martin burner the steam passes through an elbow into the furnace, where it is heated to a high temperature, and then goes through the steam valves into a feed-pipe which forms a jacket for the oil feed-pipe, and thus heats it before passing through the feed opening into the mixing chamber, as it is desirable that the temperature of the oil should be raised as near the boiling point as practicable before being mixed with the steam, and it is while being heated that chemical decomposition is likely to occur. The superheated steam lowers the boiling point of the oil and permits vaporization without carbonizing or "cracking." Accordingly the pulverized oil is passed into the mixing chamber by the blast, and thence out into the fire-box through the slit in the nozzle. The flame is directed downward against a bridge of fire-brick placed in front of the fire-box, instead of going directly forward as in other burners, so that it comes into direct contact with the oxygen of the air entering through the grate in front, without the layer of CO_2, which would be likely to be formed under a direct extension flame, thus allowing more perfect oxidation and higher efficiency for the amount of fuel used. The bridge also contributes to better oxidation and distribution of heat. The flame is blue in color near the tip of the burner, indicating the burning of hydrogen and complete oxidation of the carbon elements, which probably burn as carbon monoxide. In most apparatus the flame is white. Where the flame expands upon the bridge it becomes transparent and is of a dazzling brightness The vapor when condensed is of a much lighter color than the oil used for combustion, but otherwise closely resembles it. After breaking upon the bridge the heat is conducted by a series of bafflers around the boiler, above and below, and the waste gases make their escape by an opening in the rear of the brickwork, instead of the top of the rear end, which would allow more of the heat to be wasted up the chimney.

It is stated that the downward direction of the flame and the use of the bridge form a material advantage in preventing excessive local heat and consequent "burning out" of the boiler. This is the principal objection made so far to the use of petroleum burners, and is a fact of much importance in the installation of fuel oil plants.

An efficiency of 13 to 14 pounds of water at 212° F is claimed for this plan of installation. Three to 5 per cent of water in the oil does not interfere with the action of the apparatus, but working with 10 per cent of water is not practicable. Of course the water is removed as far as practicable by gravitation in the storage tank, but it must be remembered that fuel oils, unlike paraffine oils, are usually of 12 to 16 gravity, that is to say, they are only .2 to .6 lighter than water, which is ten in the Baume scale. Being so nearly of the same gravity, there is a certain stratum of oil overlaying the water in the tank which will always carry a considerable amount of water along with it, and in addition water is often so intimately mixed with oil that it will not separate by gravity. It has been suggested that the steam coil now used to heat oil for the purpose of reducing its viscosity and allowing the sand to settle might be of advantage in separating the water, as the gravity of the oil becomes lower (higher on the Baume scale) on account of its expansion being greater than that of the water under the same application of heat.

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

Safe Investments

INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order NOW and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

MOSTELLER & ALLEN, Brokers
565-566 Parott Building, San Francisco
Send postal for "Oil Facts and Figures," now in press.

GOOD WORDS.

The Pacific Oil Reporter Appreciated Abroad as Well as at Home.

This paper is in daily receipt of letters from people interested in the oil business and which have been sent to this office, not only from all portions of California but from almost every state in the Union, north, south and east.

Nearly all of the people actively engaged in the oil business in California know Mr. T. A. Bell, so prominently connected with the Bachelor's Oil company, the Three States Oil company, the Sunset Vortex Oil company and the Section Six Oil company, with offices in the Hearst building.

Mr. Bell is now in Colorado Springs, Colorado, working for the interests of his different companies. Under recent date he writes to the PACIFIC OIL REPORTER from which we extract the following:

"The further I get away from home the more it appears your good paper is appreciated. A friend of mine here takes the REPORTER, but he says one copy is not enough for his purposes hence I wish you would send him at his office four copies of every issue for a year. His address is, W. D. Bresse, Colorado Springs, Colo."

If the REPORTER desired to blow its own horn it could fill columns of every issue with similar letters. This one is published simply because the writer is so well known among our oil men and it proves the paper is appreciated not only here but in every place where California's oil industry is being pushed.

Los Angeles Stock Board.

The week ending March 9th has been a notable one on the Los Angeles Stock Exchange. Several prominent securities have gone up and down the scale in a bewildering manner and thousands of shares have been sold and several thousand dollars have been made by the manipulators of the deals.

Reed Crude has kept even the wise ones guessing. During the week it has been quoted at between 52 and 62 cents, giving a range of ten points for some one's loss or gain. Many thousands of shares have changed hands at these figures. Over 15,000 crossed the board during a single session last Friday at 60 and 60½ cents. Present quotations are at 57 cents and the tendency is slightly downward. Uncle Sam has been moving in quantities at from 10 to 10½ cents and is now quoted at 9 to 9½ cents. A break in Westlake has sent that stock down to 17¾ cents. This seems to be low-water mark and the price is recovering slightly. United Petroleum has gone from $115 to $118-19 per share. Senator sold at $160, during the past week, 100 shares only going at that figure. Whittier Consolidated is still on the down-grade. Other stocks are about stationary.

The first trading in mining stocks ever done on the exchange was recorded last week. A few shares of Butte Lode were sold at $15. The Queen of Arizona Copper company's stock also made its appearance and has started off with some activity.

Bids for local banks' securities are made at each session and good figures are offered, but little or no trading results.

Generally speaking conditions are little different from what they were a week ago.

NEW BRIQUET FACTORY.

Eight Carloads of Petroleum will be Used in the Making.

The Stockton Mail says that eight carloads of petroleum were expected from Bakersfield Thursday morning, consigned to the Tesla Coal company. The oil will be used in the manufacture of coal briquets at the plant completed in the western part of Stockton.

All the machinery has been put in position and the works are being cleared of the litter incident to the construction of the establishment. Steam is up and the machinery is being operated in order to wear the rough edges off before commencing the manufacture of the new fuel. It is expected that the first briquets will be turned out the middle of next week.

The briquets will be oval, of about the same shape and size given many toilet soaps. The market price has not been fixed yet. H. H. Griffiths, the general sales agent of the Tesla company, reports that orders for the fuel have been coming in daily, and several carloads have been spoken for.

As stated some time ago, there is only one other briquet factory in the United States, and that is at Chicago. It is only half the capacity of the Stockton establishment.

Bright Prospects.

The Kern Valley Oil company, recently incorporated under the laws of South Dakota, is one of the new companies whose prospects are extremely good. The company owns 6600 acres of proven oil land in various oil districts in the southern portion of the state.

Contracts have been let for the drilling of three wells by April first, and the company expects to have oil within ninety days. Experienced managers are at the head of affairs and the stock of the company is being sold very rapidly.

For immediate development purposes a limited number of shares are being offered at the extremely low price of ten (10) cents, and those who purchase now are practically getting in on the ground floor. Particular attention is called to the large acreage of the company, which not only means the drilling of wells, but the sale and leasing of lands for valuable considerations.

Nitro-glycerine in giant freezes at 46° F. (14° above the freezing point of water), and powder may become chilled without being actuallly frozen.

Wanted, Oil Men

To know that Chas. W. Palm, the well-known law publisher, is preparing a directory of the oil companies of the Pacific Coast, which will be ready for delivery in March.

Secretaries of companies organized under the laws of other states than California will insure the insertion of their corporations by mailing the names of officers and directors, capital stock and date of incorporation to the publisher, CHAS. W. PALM, 505 Clay St., San Francisco.

GUARANTEE UPON GUARANTEE

The Famoso is in Oil and Its Stock is Now Doubly Guaranteed

Guaranteed from the beginning by the Continental Building and Loan Association, the value of the stock of

The Famoso Oil and Investment Company

Is now established by the proven richness of its holdings in the Kern River District. We are not only in the CENTER OF OIL PRODUCTION IN CALIFORNIA, but our first well is the peer of anything in the vicinity. Our engagements require us to complete three more wells this summer, making

Four Wells in Six Months

That is the reason why we will sell Treasury Stock for a short time onger at the same price. WE MUST HAVE QUICK CASH FOR RAPID EVELOPMENT. Energetic work now will put the company on a dividend paying basis this year.

Our Stock is a Bargain

AT THE OLD PRICE OF FIFTY CENTS A SHARE. It will advance soon without notice, and finally be wholly withdrawn from sale.

Call at our Office, or send for Prospectus and Information. Inquire about us from any reputable journal identified with the Oil Business.

OFFICERS :—John P. Albro, President; A. J. Munton, Vice-President; T. A. Sheppard, Secretary; S. D. Miner, General Manager.

Office: Room 393 Parrott Building, San Francisco

Branch Office, 1330 E Street, San Diego, Cal.

PACIFIC COAST OIL NEWS.

Recent Developments in Oil in Various Parts of the State.

FRESNO.

Star is drilling again.

Twenty-eight is in the sand in No. 5.

Independence is on No. 6.

Esperanza is spudding in on section 6.

El Capitan is at work and making hole.

Main State has a casing job.

Corona is in blue clay.

Crescent has an oil well at 900 feet.

The Confidence is finishing its No. 3.

Golden State is rigging up on section 30.

Carmelita is 850 and making good time.

Fauna is having a good showing on No 1.

Ajax is making holes after a long casing job.

Oil City Petroleum No. 6 is having a casing job.

Lockett is busy getting ready to put down another.

Mercantile Crude Oil company is at work on section 6.

All of the companies west of No. 13 are waiting for water.

Rock Oil company is at work on its No. 1 after a long lay off.

Commercial-Petroleum company is rigging up on section 31.

Ætna has a pump in No. 1, which promises to be a good producer.

Hanford is ready to spud on No. 2, and is setting up a pumping plant on No. 1.

Minnesota is down 1100 feet with nine and five-eighths and making hole every day.

The Coast Range Oil company will furnish that end of the field when their plant is complete.

Phœnix will begin work again soon. The Crescent strike will encourage them to renewed efforts.

The water in the wells of the new water company is salt, the company supplying several of the new companies with water for drilling purposes.

KERN.

No. 2 McKittrick is 305 feet deep and going down.

The Lion is preparing to put in a Keystone rig at Sunset.

Black shale is being pierced by the Century at 1017 feet.

The Kopje has started the drill on its holdings on 25, 28-27.

The Clairmont on 32, 28-28 has reached the water sand at 360 feet.

Bennet & Stokes, 28, 32-24, Sunset, are using a Canadian pole rig.

The Peerless is rigging up to sink well No. 2 into the oil sands.

The Sinnemahoning on 19, 28-28 is down over 700 feet on its first well.

The Curley has been delayed by want of material, but is now down 350 feet.

The material has been shipped to the Elona for work on ten acres in 19, 28-28.

An office has been opened by the Pennsylvania Drilling company at McKittrick.

The first sand has been struck by the Modina, NW¼, 3, 11-24, near the C B W.

The Raisin City, 31, 32-24, Sunset field, is down 500 feet with a Canadian pole rig.

On the south side of the river Ludwig, Hickey & Eaton are down 600 feet.

The Sterling No. 7 is down 850 feet and the drill in No. 8 has reached a depth of 400 feet.

One of Mrs. Clara Foltz's companies the Star of West Virginia, has the rig up ready to drill on 11, 30-21.

The Oregon Midway has a second rig at work. It is drilling on section 5, 32-23, a mile west of the first well.

In spite of denials by the company, the Eckstrom rig is reported to have struck oil on the Cottonwood.

The Spring Oil company on 11, 29-28 Kern River district started their drill on the regular shifts this week.

A depth of 750 feet has been reached by the Prosperity on 6, 28-28, near Poso Creek.

The first sand is reported struck by the Election, NE¼ of 10, 29-28, south of Kern River.

It is claimed by the Californian that the first pumping of Globe No. 5 showed 800 barrels.

Water is being hauled to McKittrick from Kern City by some of the companies, owing to a scarcity at that point.

Pumping began on Blinn No. 2 this week, and it is showing up as good for 400 barrels with 573 feet of sand.

The Golden Rod is still going down and has already reached a depth of 825 feet, with two or three gas blowouts.

On section 29, 28-28, the Missouri will soon be at work in its second well, for which the derrick has been erected.

It is expected that the Grace Oil company's No. 4 will have 700 feet of rich oil sand. It has 450 feet already and is still sinking.

Well No. 7 of the Sterling Oil company is now down 900 feet, and in well No. 8 the well has reached the depth of 450 feet.

Oil rose twenty feet in the casing of the Twenty well, between McKittrick and the Dabney wells, when the bit struck the first sand.

The Dabney company at McKittrick will have three new wells soon ready for the pump. Two are in the sand and one is about finished.

A showing of oil has been struck by the Electric on 10, 29-28, at a depth of 300 feet. It has inserted three strings of casing at that depth.

The oil in Globe No. 5, now being perforated, stands within 300 feet of the surface. The well is 900 feet deep and is expected to be a good one.

Although good progress has been made in the hole being drilled by the Superior Extension on section 28, 32-24, the oil sand has not been found.

The Eastern Star Oil company is having trouble in its hole in Kern River. It is reported the company has a fishing job on its hands at 400 feet.

Sovereign wells No. 1 and 2 are completed and together are good for 700 barrels a day at least. Well No. 3 is practically completed, and well No. 4 is now being drilled.

A good producer is expected by the Linda Vista on its No. 1, on 29, 28-28, now being perforated. Spudding has begun on SE¼ of 24, 28-27, by the Superior Development.

Eighty acres in the E½ of 14, 26-28, has been leased by W. M. Lane from the Reed Crude. This property was held under mining location by the Reed Crude, but the failure to do assessment work led to re-election.

The Edgar, 18, 28-28, appears to have a good amount of oil sand, but it is reported that it was spoiled by being perforated in the wrong place, so that it is both a water and oil well.

The Colorado and California is now choked up with sand. The late great strike by this company, which is located on 35, 12-24, caused a flow that lasted during the night, when the casing filled up.

It is reported, according to the Bakersfield Echo, that the Transfer, on section 30, 31-23, has gone through the blue clay and landed in the oil sand. At last accounts the well was down over 700 feet, and considerable gas was escaping.

ORANGE.

Natural gas is very plentiful on the Columbia lease, and has lately been piped to the houses of all the men employed by the company.

The Carbon Canyon Oil company, operating about three miles east of the Santa Fe lease, has encountered a heavy stratum of oil sand, which the drill has not entirely pierced as yet.

Developments in the extreme eastern part of this field are recovering slowly from the set-back received by the drilling of dry holes by the Liberty, California and Olinda companies. Of these three the Olinda is alone at work still trying to prove the actual worth of the field.

Wells 23 and 24 on the Santa Fe lease, now down about 300 feet respectively, have entered a streak of quicksand and are at present shut down pending the arrival of two 11⅝ casing shoes from Los Angeles. They will probably resume drilling by the first of next week.

The Columbia Oil company, which recently sold its entire output to the Standard, produced during the month of February 188 barrels of 36-deg. oil per day. The extraordinary productiveness of the eastern part of the Fullerton field may be imagined when the fact that the Columbia company has been pumping but four wells during the past month is taken into consideration.

SAN BENITO.

The World Oil company in Panoche has drilled 640 feet. Indications are good.

The Ashurst Oil company in the Vallecitos has reached a depth of over 600 feet.

The Hamiltonian Oil company operating in Vallecitos is making fine progress in drilling.

The fourth rig in the San Juan district will be erected on the Machado farm within a few weeks.

The Esmeralda, 19, 17-12, in the Vallecitos, has started drilling and will be down 100 feet next week. Their test well got oil at thirty-five feet. Work has been delayed two months by heavy rain. Expect to strike oil in paying quantities at less than 700 feet.

The San Benito Crude Oil company say that lumber for three rigs was shipped from Portland February 7. The tools were shipped from the East about this time. Next week on the return of Expert Fox from San Francisco thirty-seven quarter sections in this county will be selected by him. Rigs will be erected as soon as material can be hauled from Tres Pinos.

The San Benito County Oil company is in good shape. At this time the drill reached a depth of almost 900 feet and in oil bearing sand with a strong showing of oil. The company will commence pumping to determine the amount of oil developed at this depth. If not satisfactory will continue drilling to the next sand.

SANTA BARBARA.

No. 2 on the Diamond Star was finished this week at 260 feet. It shows up about six barrels at the start.

Petersen's company, near Los Alamos, at less than 500 feet, has quite a strong seepage of oil.

In the northern field there are about twelve companies at work, not one of which is selling stock.

The Santa Barbara Oil & Mining company has brought in an eight-barrel well at Summerland. It is 387 feet deep.

Piles are being driven for a 750 foot wharf at Summerland for the North Star Oil company. Ten wells will be drilled from it.

Tillman & Bendel of San Francisco are building a rig on the Holland ranch, which will also be in operation in a few days.

No. 1 of the Summerland Oil & Land company was tested Wednesday and showed fifty-two feet of oil in the hole. It was set pumping, but sanded up.

The Summerland Oil & Land company are pumping their oil into a small earthen reservoir before putting it into the storage tanks.

Purcells & Hunter of Los Angeles, who own and control the Commercial Union Oil company, have oil in the hole lately sunk, at a depth of about 900 feet.

Work has begun on the third prospect oil well on the Rutherford place at Naples. Mr. Rutherford leases the land to the Santa Barbara and Naples company.

The Western Union, which is also owned by Los Angeles capitalists, and which has now a good well, has just gotten a new boiler and will start drilling another well at once.

Work on the wharf of the North Star Oil company commenced Tuesday. This company have the forty-foot beach frontage purchased some three years ago by Joseph McCall. The new company have leased it on a royalty proposition, and will drill ten wells on the property.

Close to the Elizalde is the Casmalia oil well, owned and controlled in San Francisco. It is now down 850 feet and has a strong showing of gas and seepage of oil. This company is now putting in another rig on the Arrelanes ranch and operations will begin at once.

The Elizalde Oil company, operating in Sherman canyon, eight miles from Santa Maria, is now down 750 feet or more and is in blue clay, with more or less oil in the hole, which shows every time the sand pump is raised, which raises the hope that a strike of oil is to be looked for within the next ten or fifteen days.

SANTA CLARA.

A flow of oil was struck on the Flemming ranch, in the foothills, near the base of Mt. Hamilton Tuesday. Those making the strike were drilling for water. At the depth of 110 feet oil began to flow into the well. It is reported to be from a paraffine base, and of excellent quality.

SHASTA.

The Shasta Consolidated Oil company, near Cow creek, has temporarily suspended operations there on account of the breaking of a shoe. At Sand Flats the rig of the Mt. Shasta Oil company has been temporarily shut down because of a defect in the boiler.

A report from the Shasta Consolidated

company, sinking near Bella Vista, Shasta county, dated March 12th, says that the well is down 250 feet and everything running smoothly. The first 35 feet was in sand and boulders which gave some trouble, next came 16 feet of pipe clay, then 100 feet of clay and gravel. Since then the drill has been in blue clay shale, and going down rapidly. One run of 56 feet was made in ten hours.

VENTURA.

Max Fitch has commenced work on well No. 2, near the bed of the Santa Paula creek.

The Windsor company, north of the Empire has its well down 620 feet and is in the oil sand.

The Home Oil company has suspended work until the river is fordable and the roads to the well are repaired.

On the east the Windsor Oil company is in oil in well No. 1, which has reached a depth of 500 feet. It will be drilled deeper.

The Memphi company has ordered a rig and will soon begin work on recently purchased territory in the Upper Ojai.

The Golden West company on the Jones lease is making a good showing in its new well and began grading work on another.

The Chilicothe company, recent purchasers of the Maddox place in the Upper Ojai, has made arrangements for drilling in a short time.

The Empire Oil company has made a strike in its well in Timber canyon. The Empire now has eight wells pumping and has begun drilling on No. 9.

The Sobre Vista company is putting up a rig on the Lowell Hardison place and will have its well begun by the middle of the month. The Sobre Vista is a new company in the this field.

The Whidden-Double company has three fine wells on its territory producing on an average of about forty barrels each per day. A rig is being put up for No. 5 and drilling will soon begin.

There is a good showing in the well of the Pure Oil company. The company has resumed work, and from all accounts has good traces of oil at a depth of 700 feet.

The Aquila Oil company's well is down 200 feet. Work was delayed for some time, owing to a shortage in the water supply. The recent rains have opened up the springs and the drill has resumed work.

The Golden West Oil company, that recently purchased the wells of the O'Hara company, has a new well that gives evidence of richness. It is over 500 feet deep, and when the drill was brought up the other day it was covered with oil. Grading is being done for a new well that will be drilled near the large producer.

A Great Success.

The Southern Pacific excursion to Bakersfield on Saturday last was a great success. The number of people who participated in the excursion was not as large as anticipated, but those who went were fully repaid; probably not one in ten had ever visited the old fields before and the round of sight-seeing on Sunday was a success on of revelations not only of the magnitude of the oil production of Kern county, but also of the means employed in drilling wells, pumping oil and storing it. Captain Obermeyer piloted one party of sixteen and showed them the process of oil production from eginning to end.

Though in numbers the excursion from both the Southern Pacific and Santa Fe was not a great success yet it was the beginning of many other excursions which will probably be lowered in price and afford opportunities to stock investors to visit the oil fields.

Union not the Standard

While it is well understood here that the offices of the Union and Standard Oil companies are in separate buildings, the Union Oil company takes vigorous exception to the statement which appeared in the Bakerfield Californian recently to the effect that the Union and Standard Oil companies are under the same management. In a statement from the Union company their relations are explained as follows:

"The Union Oil company is, strictly speaking, a California company. We have competed with the Standard Oil company for tank site and other privileges, and are now active competitors of theirs in the oil business. Our offices are not located with theirs. There is no one in their employ interested in our business or employed by us. It is absolutely untrue that the Standard Oil company and the Union Oil company have the same manager, or that any one attends to the business correspondence of both. There is absolutely no connection between the two companies."

The fact is the Standard and Pacific Coast Oil companies have offices near one another in the same building, which probably accounts for the rumor.

Bad and loose surveying is exceedingly expensive; there is no system so conducive to true economy as accuracy. Of recent years the method of surveying and plotting by co-ordinates has been extensively adopted.

Water gas may be made by passing steam through incandescent anthracite coal, the resultant gas passing to a carburetor, where it receives the necessary hydro-carbon from petroleum. In a third cylinder a super-heater raises it to a high temperature and frees the gas from pyroligneous acid. It is subsequently passed through conduits, in which it is freed from ammonia and sulphur.

Standard oil has declared a quarterly dividend of 20 per cent. The company paid 48 per cent for the year during 1890 and 33 in 1899. The 20 per cent dividend called for a disbursement of $20,000,000. The New York Evening Post recalls that the payment of a similar amount in March, 1899, tied up so much capital for the moment as to send call loans to 7 per cent. The present dividend is payable March 15. The stock sold at 815. The record price is 832. One year ago it sold at 512 and in 1896 it changed hands at around 200.

Apply at Once.

A limited number of shares of Clover Leaf Oil company stock can be had if applied for at once. Room 405, Examiner building.

Oil companies can have their prospectuses printed at this office cheaply and well.

Notice.

TO THE STOCKHOLDERS OF THE TEMPLORE OIL COMPANY, A CORPORATION.

There will be a special meeting of the stockholders of the Templore Oil Company, held at the office of said company, at room 115 Phelan Building, San Francisco, at 8 o'clock A. M. on the 15th day of April, 1901.

This meeting is called for the purpose of increasing the capital stock of the said company from $200,000 to $500,000. By order of the Board of Directors.

J S GRAHAM, President
F M PERSINGER, Secretary.

CAPTAINS OF THE OIL INDUSTRY.

Only a year or so ago one of the present captains of the California oil industry knew no more about petroleum than the average man of wide general intelligence, but today he stands one of the successful and widely known oil men of the state, a shining example of how business sagacity and judgment can win large success in this field, and also an example of the worth to the state of

E. Aigeltinger.

citizens who have an enterprising faith in its resources and its future.

The president of the famous Monarch Oil company, Mr. Edward Aigeltinger of San Francisco, holds a high and honorable place among the industry's leaders of today and his work is closely bound up with the history of the California oil fields, for it was "the Monarch's strike," resulting from the operations he was managing, that caused the Sunset district to leap into greatness last summer and to begin the development that is now placing that field among the chief ones of the state.

When the oil boom came along Mr. Aigeltinger had been for many years a leading hay and grain merchant and one of the best known and most widely respected of the solid citizens of San Francisco. That he was also one of the most popular ones was shown at the municipal election of 1896, when he was elected a member of the Board of Supervisors by the largest majority received by any candidate on any ticket. His prestige in the world of practical affairs was increased by the marked abilities he displayed in this office. Under his general guidance as chairman of the street committee that vitally important department of the city government was managed with a success and public satisfaction never exceeded. During his term of office the finances of the city became so badly tangled that unpaid bills and a deficit were threatened and he was prevailed upon to take also the chairmanship of the finance committee. As a result of his financial skill and conservative judgment all debts were paid and $9000 was saved for park improvements.

With the early developments of the Kern River field he took the tide of fortune at its flood and gave a portion of his attention and capital to the rising oil industry, becoming president of one of the chief companies organized on strictly legitimate lines.

The Monarch Oil company secured extensive and wisely distributed holdings in the valley fields and erected one of the pioneer rigs in the Sunset field. In July last oil burst in a flood from the famous "Monarch No. 1" and the rush to the Sunset field began. Largely as a result of President Aigeltinger's sagacity and ability the Monarch is now one of the rich, stable and promising oil corporations of the state. The many friends he has made in the oil business as well as the host of them outside of it now wish to see him made a member of the Board of Harbor Commissioners, a position for which his abilities, character and his wide familiarity with the needs of this city well fit him.

The Esmeralda Oil and Development Company : :

CAPITAL STOCK 100,000 SHARES

PRICE PER SHARE - - - $1.00

We own 404 acres of the Choicest Oil Lands in the

Vallecitos District, San Benito County

We are now boring and rapid progress is being made.
As our test well struck oil at 32 feet it assures our future.

FREE FROM DEBT AMPLE FUNDS

No Salaries paid to officers.. Treasury funds to be used for development purposes only. Limited number of shares to be sold. Stockholders are fully guaranteed against loss.

H. S. Field, President. R. R. Haskell, Treasurer.
W. J. Whitney, Vice-President. Louis Hammersmith, Secretary.

DIRECTORS:

H. S. Field, W. J. Whitney, R. R. Haskell,
Charles T. Behan, A. Kingsbury.
Crocker-Woolworth National Bank, Depository

A. KINGSBURY, General Agent.

Telephone, Folsom 1881. 565 Parrott Building, San Francisco, Cal.

STRUCK OIL

That's the story of our well No. 1. We have a few more shares at 25c per share. Will soon advance to 50c. Our land is in the producing district of Los Angeles.

DEY CRUDE OIL CO.

Rooms 6 and 7, 8th floor Mills Bldg., San Francisco.

Beaumont Lake Burned.

A special dispatch from Beaumont, Texas, says: Sparks from a locomotive set fire to the oil in a large pond near the great Lucas geyser yesterday, and in a short time the whole lake of petroleum was on fire. It spread to the oil banked along the railroad track and the flames increased in fury. A large boarding house where live eighty workmen was destroyed.

The oil covered an area of probably seventy-five acres and the quantity amounted to half a million barrels. The flames at times leaped to a height of 500 or 600 feet and illuminated the country for fifty miles around. The excitement of the people of the surrounding country was intense, and for a time it was feared the fire would spread and destroy a great amount of other valuable property. With the exception of the destruction of about ten cars belonging to the Southern Pacific Railway company and the burning of a large boarding house the flames were confined to the oil.

There is a great anxiety felt by the owners of the great Lucas oil gusher that the oil in that well may catch fire. The well is securely and thoroughly banked with sand and it will pass through the ordeal unless the terrific heat gets to the confined oil and causes an explosion. The fire almost surrounds the great well and the outcome cannot be foretold at this time.

The oil lake will probably burn for several days after the surface oil is consumed, as the ground is thoroughly saturated with it.

Reliable Agents.

The firm of Mosteller & Allen in the Parrott Building, are classed as one of the most successful and reliable firms in the city in the line of promoters and oil stock brokers They deal in the stock of those companies they know to be reliable and those who buy from them can be sure of getting good value for their money. They entertain no "fake" schemes, and do not try to mislead the public by advertisements which are based on untruths. The motto "Merit wins' has been proved true in their case

A New Railroad to Sunset Through Midway.

A surveying corps is now on the west side running a preliminary line from the McKittrick branch to the terminus of the road soon to be built to the Sunset district.

The Californian says he starting point is Rio Bravo and the line extends southwesterly, entering Elkhorn valley through a gap and crossing the second range of hills, going west of the Transfer, 30, 31-23. A continuation of this contour would pass the Bay City a little over a mile to the east and would swing around a point of hills to the Oriental on 30, 32-24. From that point no difficulty would be experienced in dropping easily down into Sunset, taking in the line of developments en route.

A gas engine will develop equal power using 10 per cent. less distillate than gasoline; 50 gravity distillate costs 11½ cents per gallon, gasoline 17 cents per gallon in California. Distillate is cheaper than gasoline, but more likely to be dirty. A 60 horse-power engine will use about seventy gallons of gasoline per ten hours.

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To Investors

A number of companies are offering stocks under a new and novel plan. They not only secure the investor against loss, but pay a fixed rate of interest, equal to saving banks' rates, on amounts invested. The transaction is handled as follows: A buys $1000 worth of stock. The company selling the stock at once have a fifteen or twenty-year bond, drawing two or two and one-half per cent interest per annum, payable semi-annually, placed in escrow to protect A's investment. Every six months A gets his interest coupon. At the maturity of the bond A either has to give up his stock for it, or he retains his stock and the bond is paid to the company, A, of course securing his pro rata of security. Under this plan stocks can be purchased and buyers guaranteed dollar for dollar of their investment. They also secure a positive and fixed rate of interest. These advantages they may have outside of any and all interests and dividends paid by the company issuing the stock. This is the first time that INTEREST-BEARING BONDS have been used to guarantee investments. Each and every bond bears a certified statement from the California Safe Deposit and Trust company to the effect that they have ample and sufficient security on deposit with them to protect the bond in full. Investors may have the bonds placed in escrow in any bank or safe deposit they wish. Holders of guaranteed stocks can always borrow eighty per cent of the cost of the bond plus the accrued value from year to year.

Beyond question of doubt, an immense amount of stock will be sold under this plan.

For further information address, PACIFIC COAST UNDERWRITING COMPANY, 507–508–509 Parrott building, San Francisco.

Notice of Assessment.

Loma Prieta Prune Ranch company. Location of principal place of business, San Francisco, California. Location of ranch, Monterey county, California.

Notice is hereby given that at the meeting of the board of directors held on the 25th day of February, 1901, an assessment of ten ($10) dollars per share was levied upon the capital stock of the corporation, payable immediately in United States gold coin at the office of Madison & Burke, 636 Market street, San Francisco, California

Any stock upon which this assessment shall remain unpaid on the 25th day of March, 1901, will be delinquent and advertised for sale at public auction and unless payment is made before, will be sold on Monday the 22nd day of April, 1901, to pay the delinquent assessment together with the cost of advertising and expenses of sale.

By order of the board of directors.

FRANK MORTON, Secretary.

If you want a prospectus printed call at this office. We have hundreds of cuts to choose from.

MORE PROFITABLE THAN

GOVERNMENT BONDS

AND QUITE AS SECURE

Investments placed with this company have greater earning capacity than by any other method. Your money is always subject to withdrawal and the profits all paid in cash as earned, less a small commission which we retain for services

YOUR MONEY BACK After ninety days if you want it. This gives you absolute protection and guaranteed security from loss. Our experts in the field are always at the service of our investors.

$25 TO $5000 received for investment and a settlement every month. The methods adopted by the company have stood the test of time and we are indorsed and heartily advocated by the most reliable business men, financial institutions and newspapers throughout the country.

Investors will do well to investigate the opportunities presented by this company before buying oil stock or placing their money.

Standard Oil Promotion and Investment Co.

INCORPORATED.

LICENSED BY UNITED STATES GOVERNMENT.

575-576-577 Parrott Building = = San Francisco, Cal.

Elegant Souvenir Views of California Oil Fields, Free for the asking.

Oil Lands in proven districts for sale and lease.

VAST FORTUNES IN OIL

Have been made by investing at "ground floor" prices in California oil companies operating in producing districts. The surest, safest and most profitable investments before the public. Do not buy from the professional stock promoter, who fleeces the public out of three times the real value of stocks. Buy only from regular U. S. Government Licensed Brokers, who charge you the actual market values.

THE OIL INVESTMENT AGENCY

210 Hearst (Examiner) Building, San Francisco, Cal.

Are regular U. S. Government Licensed Brokers, and offer at "ground floor" prices the stocks of: Pacific Petroleum Co., 1000 shares, $50; Palo Alto Oil Co., 500 shares, $50; Palm of Devil's Den Oil Co., 500 shares, $50.

These special inducements in order to quickly raise cash for first development. We also offer stocks of Bachelor's Oil Co., Three States Oil Co., Diamond Oil Co. and others.

Write us before you invest. We can save you from 25 to 50 per cent.

A Word to the Wise is Sufficient. Be Wise

Don't

Fail to call and get full information regarding the

SPRING OIL COMPANY

Stock being sold by us at

25c PER SHARE

Before investing in oil.

ORR & MERACLE

Phone, Red-506 Rooms 29-30 Chronicle Building

The Clover Leaf.

Keep your eye on Clover Leaf Oil company stock. It is the coming investment stock. Look it up. For information, apply at Room 405, Examiner building.

To Exchange.

Will exchange a fine Emerson square piano in good condition for oil stock or oil lands. State company and location and send prospectus. Address Box 32, this office.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, March 13:

AMERICAN FUEL.

100 at	21	21 00

ÆTNA.

1000 at	27	270 00

AZTEC.

300 at	1 70	510 00

BLUE GOOSE.

70 at	2 50	175 00

BEAR FLAG.

500 at	21	105 00
100 (B30) at	20	20 00
1400 at	20	280 00
200 at	19	38 00
2400 at	15	360 00

CALIFORNIA MUTUAL.

100 at	42	42 00

CENTRAL PT.

1000 at	1 75	1750 00

CARIBOU.

50 at	75	37 50
300 at	65	195 00

CALIFORNIA STANDARD.

7400 at	50	3700 00
200 at	53	106 00
15000(S30)at	50	7500 00
1200(B30) at	52	724 00
700 at	51	357 00
1650 at	52	876 50
1600 at	54	864 00
1300 at	55	715 00
500 (S 30) at	53	265 00
50 at	53	26 50

FOUR OIL CO

500(B90)at	60	300 00
293 at	59	172 87
3000 at	60	1800 00

GOLD DOLLAR.

300 at	40	120 00

HOME OIL.

100 at	4 15	415 00
600 at	4 10	2460 00
710 at	4 00	2840 00

HANFORD-FRESNO-KERN RIVER.

1000 at	22	220 00
200 at	20	40 00

HANFORD.

2 at	102 00	204 00
5 at	100 00	500 00
1 at	100 50	100 50
1½ at	97 00	145 50
5 at	98 00	490 00

INDEPENDENCE.

100 at	19	19 00
2400(B 30) at	20	480 00
5200 at	20	1040 00

JUNCTION.

200 at	62	124 00
100 (S 90) at	55	55 00
400 at	59	236 00
2000 at	61	1220 00
800 at	60	480 00
900 at	58	522 00
2800 at	56	1568 00
1100 at	55	605 00
1200 at	57	684 00
500 at	65	325 00
200 at	67	134 00
300 at	66	198 00

KERN RIVER.

5 at	16 50	82 50

KERN.

35 at	8 75	306 25
50 at	8 37½	418 75
110 at	8 25	907 50
205 at	8 50	1502 50
50 at	8 00	400 00

LINDA VISTA.

500 at	16	80 00

LION OIL CO.

1000(S60) at	19	190 00
320 at	20	64 00
300 at	21	63 00

McKITTRICK

200 at	42	294 00
500 at	41	205 00
800 at	45	360 00

MONARCH OF ARIZONA.

300 at	63	189 00
300 at	61	183 00
1100 at	62	682 00
500(S90)at	55	275 00
100 at	58	58 00

MONTE CRISTO.

700 at	2 15	1505 00
500 at	2 17½	1087 50
100 at	2 30	230 00
150 at	2 32½	348 75
100 (S30)at	2 40	240 00
100 at	2 47½	247 50
700 at	2 20	1540 00
250 at	2 25	562 50
350 at	2 45	857 50
100(S 30) at	2 25	225 00
100 at	2 35	235 00

OIL CITY PET.

1000 at	23	230 00

OCCIDENTAL OF W. VA.

500 at	61	305 00
400 at	60	240 00
200 at	59	118 00
240 at	56	134 40
100 at	54	54 00
100 at	53	53 00
400 at	50	200 00
400 at	45	180 00
500 at	58	290 00
375 at	55	206 25
200 at	46	92 00
1200 at	47	564 00

PEERLESS.

25 at	8 25	206 25
535 at	8 00	4280 00

PETROLEUM CENTER.

1500(B30)at	17	255 00
3900 at	16	624 00
1000(B 30) at	16	160 00
200 at	15	30 00

REED CRUDE.

500 (S 30) at	59	295 00
400 at	64	256 00
500 (S 90) at	63	315 00
500 at	65	325 00
200 at	63	126 00
100 at	61	61 00
20 at	58	11 60
200 at	59	118 00
720 at	62	446 40
1071 at	60	642 60

STERLING.

450 at	2 50	1125 00

SUNSET (ORIGINAL)

20 at	38	7 60
1 at	1 00	1 00

SUPERIOR

100 at	28	28 00
2200 at	25	525 00

SAN JOAQUIN O. & D. CO.

200 at	11 50	2300 00
50 at	10 87½	543 75

TWENTY-EIGHT

300 at	1 60	480 00
100 at	1 40	140 00
400 at	1 35	540 00
200(B 30)at	1 32½	265 00
40 at	1 25	50 00
300 at	1 30	390 00

WOLVERINE.

150 at	1 40	210 00
100 at	1 42½	142 50
200 at	1 45	290 00
200 at	1 25	250 00

YUKON.

100 at	38	38 00

Shares 93,659½ Amount $68,098.38

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CRYSTAL OIL COMPANY.

Incorporated Under Laws of California

160 Acres in Fresno County,

Near Famous Panoche and Contua Districts.

CAPITAL STOCK $200,000. PAR VALUE $1 per share

10,000 SHARES NOW ON SALE AT 25 Cents, FOR DEVELOPMENT PURPOSES ONLY.

Office: : : : 3 Eddy St.

SAN FRANCISCO, CAL.

Companies Incorporated.

Seba oil company. Capitalization $[illegible]; incorporators John J Cunningham, Edward Savage, Walter Storey, Samuel B Caldwell, Edward B Young of San Francisco and D C Cunningham of Phoenix.

Thirty Three Consolidated Oil company. Capitalization $500,000; incorporators C F Laumeister, John A Drinkhouse, W A Miller, John J Myers, Robert S Lamotte, Joseph Kahn, A Ruff of San Francisco.

Alameda Oil company. Capitalization, $3,000,000; incorporators Edward A Holman, H P Dunning, Josiah Garrett, J R Daley, Newton Gray, Thomas C Huxley, Farley B Granger, L A Pelton, Henry Schmidt, Charles G Hardy, R A Summers, J Clinton, E O'Neill, C Gustafson, R B Cromwell of Alameda, Cal.

Loraine Oil company. Capitalization, $500,000; incorporators Leopold Mitchels, A S Wollberg, Marius Duvall, Alexander Mackie, George E Ames, J D Arnold, H Epstein of Bakersfield.

South River Oil company. Principal place of business, San Francisco. Directors G A Parkyns, E Fox, J Willgrod, G J Strong and C Maclauchlan. Capital stock, $100,000, fully subscribed.

Cache Creek Oil company. Principal place of business, San Francisco. Directors W H Jordan, W L Brown, J M Cleves, J A Hammersmith and C B Gleves. Capital stock, $[illegible],000; subscribed, $50,000.

Veratina Oil company. Principal place of business San Francisco. Directors: A McCaw, A W Craig, C W Jackson, W Pinkerton and J R Little. Capital stock, $150,000; subscribed $50.

Drezel Oil company. Principal place of business, Los Angeles. Directors M S Thomas, J A Rush, D Osbor , C P Sheldon and A B Schofield. Capital stock, $300,000; subscribed, $100,016

Olga Oil company. Principal place of business San Francisco. Directors. J G Scott, W E Griffeth, W S Badger, J S Osbourn and C C Darling. Capital stock, $250,000; subscribed, $12,500.

Eaglet Oil company. Principal place of business, San Francisco. Directors. J A Weston, H Brown, G L Curtis, D W James, J A Noah, S G O King and B M Birdsal. Capital stock, $300,000; subscribed, $70.

Universal Oil Mining company. Principal place of business, San Francisco. Directors: R S Miller, N A Harris, C W Zastrow, E E Bush and J C Cullen. Capital stock, $300,000; subscribed, $50.

Empress Oil company. Principal place of business, San Francisco. Directors: J H Spring, F L Cheney, L Phipps, W S Armstrong and W R Townsend. Capital stock, $300,000; subscribed, $500.

Capell Canyon Oil company. Principal place of business, Vacaville. Directors: L H Petterson, G W Crystal, W H Buck, J T Montgomery, G F Wooderson and F B McKevitt. Capital stock, $500,000; subscribed in full.

La Palma Oil & Development company. Principal place of business San Francisco. Directors G Brenner, J Rosenberg, B Bosch, C S Mering, A Levy. Capital stock $[illegible]; subscribed $5.

Mountain Box Oil company. Principal place of business Fresno. Directors A Hall, F C Scott, B F Sheppard, W I Porter and W H McKenzie. Capital stock, $[illegible]; subscribed $500.

Waldorf Oil & Asphalt company. Principal place of business Hanford. Directors G B McCord, W H Worswick, W H Worswick Jr, N P Duncan, N Weishman, F Bader, J O Hickman, I Mannassee, L S Chittemein and W M Madden. Capital stock, $500,000; subscribed, $250.

Buckeye Oil & Mining company. Principal place of business Bakersfield. Directors J Walters, W H Bennett, W B Messler, W McCrea, J A Stevenson, C Standish and C C Scribner. Capital stock, $350,000; subscribed $350.

Fresno Oil Stock Exchange. Principal place of business, Fresno. Directors B F Sheppard, C E Barnett, F H Mitchell, F C Scott of Fresno, S J Dunlop of Los Angeles and B E Hutchinson of Fowler. Capital stock, $1,000, fully subscribed.

Woodland Oil & Development company. Principal place of business, Woodland. Directors D Balfour, G W Hiatt, R H Washington, J I McConnell, P N Ashley and J E Garrette of Woodland. Capital stock, $250,000; subscribed, $600.

Colusa Home Oil company. Principal place of business, Colusa. Directors: S W Tuttle, T Harrington, M J Boggs, D H LeLong, J W Kearth, E C Barrwill and U W Brown of Colusa. Capital stock, $500,000; subscribed, $100.

El Beaumont Consolidated Oil company. Principal place of business, Santa Barbara. Directors. E W Haywood, W D Robinson, C S Bond, J A Guttery, H A C McPhail, J W Toggart of Santa Barbara and F E Kellogg of Goleta. Capital stock, $300,000, subscribed, $204

Mariposa Oil company. Principal place of business, Oakland. Directors—R W Church, A Wood, R O Baldwin, T Olmstead of Oakland and J B Barber of Alameda. Capital stock, $200,000; subscribed, $1,250.

Wagram Oil & Mining company. Principal place of business, Bakersfield. Directors. J B Borges, W H Emmons, F H Hanson, E J Emmons, G B Palassain of Bakersfield, J W Payne, C Whittaker, J Bernard, W Plaintier of Kern and L P Crawford of San Francisco. Capital stock, $500,000; subscribed $160

Brown-Fox Oil company. Principal place of business, Bakersfield. Directors: C Posch, M Coyne, W H Thomas, M Fox and G E Brown of Bakersfield. Capital stock, $500,000; subscribed, $100.

In Tucson have been incorporated:

The Aladdin Oil company. Capitalization, $100,000; incorporators: S J LeBrun of San Jose, Cal; J P Lartigeau, John R Aitken of San Francisco, W T Reed of Belmont, Cal.

Texas and California Oil & Refining company. Capitalization, $750,000; with offices at Tucson, Los Angeles and Beaumont, Tex.

Densmore-Stabler Refining Company. Capitalization, $650,000, with offices in Los Angeles and Tucson.

THOUGHT IT A GHOST.

Papineau Oil Creek Drillers Claim They see an Apparition.

A teamster just back from the oil well on Papineau creek tells a strange story of a couple of night drillers working on a tower on the Sure Thing wells. He says that William Rockwell and George Malley declare there is a ghost haunting the canyon where these wells are located, and that Wednesday night it appeared in the top of the derrick and thrice displaced the rope from the top pulley.

Rockwell first discovered something was wrong and in looking about for the cause spied the apparition astride the top of the derrick. He called Malley and they attempted to adjust the rope when the airy form seemed to float away on the air. When drilling was resumed the ghost returned and again threw the rope from the pulley. Thinking that something was wrong or that the boys had planned a joke on them, Malley started to ascend the derrick when the spirit form seemed to climb down to meet him. Rockwell, who was watching the work, picked up a small coupling and hurled it at the figure, when it again floated away.

As soon as it disappeared the rope settled to its place, but no sooner was work resumed than it again appeared and threw it off. The men began to feei somewhat "shaky," and Malley took a revolver from the tool chest and fired at it. With the report of the shot it seemed to pass away in cloud-like form and did not again appear. The boys are considerably worked up over the apparition and no amount of "chaff" will make them believe they did not actually see a ghost.

To give relish to the tale, old settlers now tell of a murder committed in the vicinity of the well some thirty or forty years ago.—Los Angeles Herald.

A Great Gas Well.

Half enough gas to supply the city of Pittsburg is escaping into the air at the W. J. Bryan gas well, nine miles east of Cameron, Pa. It is burning in an enormous torch that reaches 200 feet in the air, with a roar that shakes the earth and can be heard for miles around.

The well is the biggest that has been struck for years, and is said by experts to be a greater gas producer than the famous Big Moses. It is estimated that there is a pressure of 4000 pounds to the square foot and that it is discharging 50,000,000 feet of gas a day. Attempts are being made to get it under control.

Before buying Oil Stock or leasing or buying Oil Lands call on BARIEAU & PERSINGER, Room 115 Phelan Building, San Francisco.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

LINCOLN OIL COMPANY OF OAKLAND, CAL.

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered for A Few Days

Address **Lincoln Oil Company, Central Bank Building, Oakland, Cai.**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lie within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours

M. M. OGDEN

Field Expert Producers' Oil Exchange, San Francisco, Cal.

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28 27, Kern River district has passed through rich oil sand and will soon be finished with the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

STOCK UNDERWRITTEN

OFFICE

Pacific Coast Underwriting Company

504 PARROTT BUILDINC

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

A few Reliable Agents wanted to sell our Stock.

Pacific Coast MANUFACTURING CO.

Successors to **BOOTHE**

MANUFACTURING & SUPPLY CO

126-128 South Los Angeles street

LOS ANGELES, CAL.

Steam and Gasoline Engines, Boilers, Pumps, Air Compressors Drills, Tools and Supplies of Every Description

OIL WELL MACHINERY

Mining and Milling Machinery, Belting, Pulleys, Shafting, Engineers' Supplies

Under the management of Mr. James A. Haskett, who has, before entering this company, long had charge of the Kansas City branch of the house of Fairbanks, Morse & Co., the stock will be largely increased and a number of new lines introduced, such as will be specially worthy of the attention of miners, manufacturers, fruit growers and others who desire to get the latest and best machinery.

THE DABNEY OIL COMPANY

OF McKITTRICK (Incorporated)

Has opened offices in this city at 330 Pine Street, Rooms 5 and 6. The Dabney Oil Company has now Ten Producing Wells. Will complete two more this month and two in March. Will pay a dividend April 1st. Owns the famous Dabney gusher. Is selling oil in carload lots. Offers a limited number of shares of its stock at **$1.00** per share. A gilt-edged investment. Will pay not less than 1 per cent a month in dividends on and after April 1, 1901. Can you do better? Call or address

DABNEY OIL COMPANY, 330 PINE STREET, ROOM 5.

For information and terms for oil in carload lots apply at the office.

.. OIL COMBINATION ..

Great Oil Gusher.

MACPHERSON & CO.

Are selling agents for the following Standard Oil Companies:

San Ardo Consolidated...Monterey county
Nonpareil Consolidated..San Benito county
Ila of McKittrick.....Kern county
Shale.....Kern county
River Extension.....Kern county

The personnel of all these companies is represented by men of experience and capital.

The combined capital is $2,050,000.

Two complete standard rigs are at work and at present in oil. It goes without saying that oil will be struck by one or all of these companies. One well is now down over 1200 feet, and another over 1000.

A strike of oil will make you independent. You then cannot fail in this combination.

$27.50

Invested in this combination makes you the owner of ten shares of the capital stock in each company—fifty shares in all.

One or all are sure to strike oil. Orders must be accompanied by check or P. O. order, and addressed to

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We are members of the Producers' Oil Exchange and licensed by the U. S. Government.

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We reserve the right to advance the price of this list at any time without giving notice.

References: Bank of California, Crocker-Woolworth Bank, Union Trust Co. of San Francisco.

THE ROCKEFELLER

Will Soon be Drilling in the McKittrick District.

A Strong Company, Composed of Enterprising Pennsylvania and California Capitalists, Who Mean Business.

From a late edition of the Pittsburg Press it is learned that a large number of Pennsylvanians are becoming interested in the Rockefeller Oil company, which holds 80 acres of land in section 34, twp. 29, range 22, in the McKittrick district. This land lies on the line of the Southern Pacific railroad, which was built years ago to Asphalto on account of the immense asphaltum beds which were discovered in that vicinity, and from which were taken vast quantities of asphaltum of a very superior quality. No one at that time dreamed of the development which would soon be made in oil in this vicinity, and it was not until within two years that the first wells were drilled which were the forerunners of those which today have made this district known as one of the best and most prolific oil districts of California.

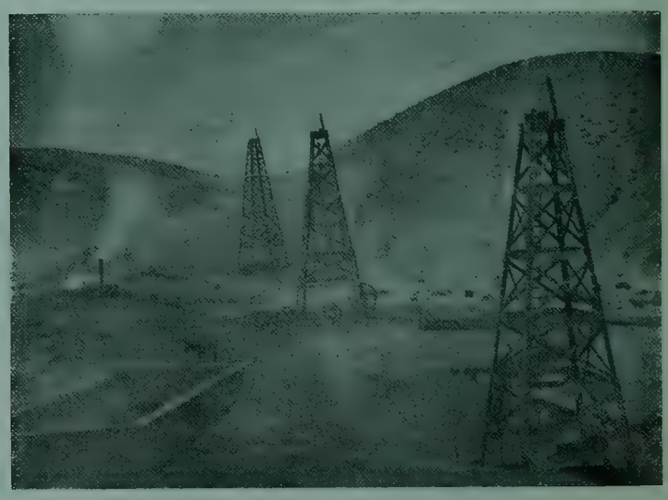
The land of the Rockefeller Oil company is located a short distance northeast of McKittrick, near which are the big producers, from which carloads of oil are being shipped daily to the great consuming centers.

The president of the Rockefeller Oil company is John W. McGowan, formerly a well-known Alleghanian, who several years ago came West in the interest of some mining claims, and who thus became interested in the California oil development. Another director is W. D. McChesney, one of the most prominent citizens of Pittsburg, and who had already interested a large amount of Pennsylvania capital in California oil development. The secretary of the company is Henry W. Schlesinger, of Schlesinger & Co.; the vice-president is Edward J. Murphy of the United States mint, and another director well known here is J. W. Kelly.

Arrangements have been completed so that the drills will soon be dropping on the company's land and the company will be prepared to sink to a considerable depth, as it is believed that, if the wells are sunk to a considerable depth, not only will a larger quantity of oil be developed than that which is developed from shallow wells, but that the oil will be of a superior quality to that which is obtained at lesser depths.

The 80 acres which the company owns is proven oil land, producing wells being situated near by, and wells are being drilled north and west of them for miles beyond.

The McKittrick district, in which this property is located, is in the center of the vast territory which runs for 200 miles along the irregular foothills of the eastern slope of the Coast Range on the western side of the San Joaquin valley. This irregular oil-line is presented by the steeply upturned strata of bitumenized sandstones which help compose the eastern limbs of anticlinal folds made in the uplifting of the Coast Range. This oil belt includes Coalinga, Oil City, Kreyenhagen, Devil's Den, Avenal, Midway and Sunset; the McKittrick district lies about in the center of the belt.



Wells in McKittrick.

Whereas McKittrick district has not been developed as thoroughly as the Kern River oil district, oil experts believe that this district contains as much oil as any district in the state, and that development work will be repaid as satisfactorily as the development work of any district in the state.

The Rockefeller Oil company, headed as it is by men of reputation and experience, and backed by considerable capital, will no doubt aid in this development work, and will not only add to the oil production of California, but will be the means of satisfactorily investing not only California but Eastern capital.

The San Francisco office of the company is at room 20, 401 California street.

Oil companies should patronize an oil paper when they have job work to be done. We print prospectuses, and everything that oil men need.

DEMAND LOWER RATES.

Producers Petition the Rail road Commissioners For Relief.

The Railroad Commissioners have ordered the various railroad companies to show cause why they should not transport petroleum from the wells for a lower rate than now charged, and no less than nineteen big oil companies of California have appealed to the Commission for some friendly interference whereby adequate railroad facilities may be secured for the rich oil districts of the Southern Joaquin valley.

Action was taken Tuesday at a formal session of the Commission. This resolution was unanimously passed and ordered served upon the different railway concerns, with notice that fifteen days would be allowed them in which to answer:

Whereas, The producers of petroleum oils, operating at Bakersfield, Kern, McKittrick, Sunset and various other oil-producing localities within this state, have made frequent complaints to this board, and the individual members thereof, alleging that the charges for the transporting of petroleum oils to the various points of consumption within said state, by the Southern Pacific Railroad company, the Southern Pacific company, the Santa Fe Railroad company, and its branches and leased lines, are now greatly in excess of a fair, just and reasonable rate for said service;

Now, in pursuance of said complaints, and by reason thereof, it is by the Board of Railroad Commissioners of the State of California ordered, that the railroad companies above named be and they hereby are required to, on or before the 10th day of April, 19 1, at 10 o'clock A. M. of that day, show cause, if any they have, to said board, at its office in the city of San Francisco, why said rates and charges for transporting said petroleum oils should not be reduced and fixed at a lower rate than now charged.

Daten this 12th day of March, 1901.

E. B. EDSON, Chairman,
C. S. LAUMEISTER, Commissioner,
N. BLACKSTOCK, Commissioner,
Attest: W. T. SESNON, Secretary.

The landowners and oil operators of the Kern river oil district set forth in their communication that the sudden increase of lands there from valueless wastes to property worth $5000 an acre, and producing oil and attracting capital and settlers, had changed the old conditions without seeming to have impressed the railroad companies with the necessity of building to meet the demands of the business. As a result, it was alleged, patrons using oil for fuel were unable to get it readily, and the industry was considerably handicapped. The appeal was signed by the following companies:

West Shore Oil company, Sacramento Oil company, San Joaquin Oil & Development company, Sycamore Oil company, Sterling Oil & Development company, Sovereign Oil company, Giant Oil company, California Standard Oil company, Central Point Consolidation company, Aztec Oil company, Senator Oil company, Toltec Oil company, Chicago Crude Oil company, A. B. Butler, Petroleum Development company, Globe Oil company, Euclid Oil company, "H" Oil company, Kern River Oil company.

The Los Angeles Traffic Association, which, some months ago, began a protest for its merchants against the Southern Pacific's valley rates, filed an amended complaint with the Railroad Commission Tuesday, explaining in further detail how the rates from Los Angeles to San Joaquin valley points, by way of the Tehachapi mountain pass, are greater than the rates from San Francisco for an equal distance to some valley point. But it neglects to admit that from San Francisco the Southern Pacific is in competition all the way with a rival railroad, with water communication, and had a level run, all of which permitted and necessitated a lower rate than over the unprofitable mountain.

The Strike in San Benito.

The record or drilling log of the San Benito County Oil company, the first to strike oil in the district around Hollister is as follows:

The first 70 feet, loam, sand, gravel and boulders.
70 to 80 feet, black shale.
80 to 130 feet, water sand.
130 to 150 feet, blue and black shale.
150 to 221 feet, sand.
221 to 270 feet, black and blue shale.
285 feet, salt water.
285 to 337 feet, water sand.
337 to 462 feet, black shale.
462 to 472 feet, water sand and salt water.
472 to 860 feet, shale, mostly all blue.
860 to 872 feet, water sand.

At that depth oil was struck. Under date of March 8th, Mr. R. P. Lathrop, president of the San Benito County Oil company, writes as follows:

"Our San Benito County Oil company's well will be down 900 feet by the time this reaches you. We were down last night 875 feet, being 31 feet deeper than ever before. We were 13 feet in oil bearing sandstone, with very fine showing of oil. It is hard to determine how much, on account of salt water, but we feel justified in putting in a pump Monday morning (the 11th) to determine the amount of oil we have at the present time. Whatever the result may be it is our intention to go down to the next oil sand, which we can easily do, as we are in better shape now than when we started the well. Our stove-pipe casing worked admirably. I don't know how far we can take it down, but so far it goes very readily. Of course we cannot use this to shut the water off, but we have two sizes of screw casing to use, which we can shut the water off with in case we conclude to go down after we have made the test with the pump. Our proposition looks very bright today; in fact it seems as though that luck had changed in our favor and that we we will soon realize good results from a long and varied experience in putting down the first well in a new district under trying circumstances."

Scrippers Hopeful.

Hearing on the appeal of the California "Scrippers" case, involving locations of oil lands and the construction of the laws on the General Land Office service, came up Wednesday before Assistant Attorney-General Willis Vandevanter, the solicitor for the Interior Department, who acts in behalf of Secretary Hitchcock The appeal was made against the Kern County Oil company, which was recently awarded a favorable decision by Land Commissioner Hermann against a "scripper." who claimed a plot of land occupied by that company.

Frank H. Short of Fresno, who was admitted to practice before the Interior Department, appeared for the oil men, and the "scrippers" were represented by an array of talent, which includes W. W. Dudley of Washington and Shirley C. Ward of Los Angeles.

The questions in dispute are very involved, and the final decision will be of sweeping importance to California oil interests. As Secretary Hitchcock has heretofore held views adverse to those of Commissioner Hermann, it is feared that the Commissioner's decision will be reversed. Should this be the case, oil development in California would be seriously retarded pending the enactment of equitable laws for prospecting.

Oil companies should have their job printing done at this office. We print prospectuses, etc.

Normal Oil Co.

Incorporated December 13, 1900, under laws of Arizona.

STOCK NON-ASSESSABLE

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WE INVITE INVESTIGATION

Send for Prospectus and full information. Liberal commissions to responsible and energetic agents.

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The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information address:

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F. H. HAUSMAN, Secretary.

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Good opportunity to form companies.
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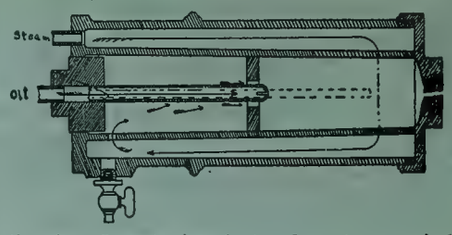

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Pacific Coast Machinery Company, 12 Fremont Street, San Francisco.

The Flashlight Oil Co.

Capital $500,000 shares,—$1 each.

Owns 1200 acres in the best part of the the Oil City District, Fresno County The land to be developed first lies but two and a half miles from railroad station No sand in the oil in this district, the oil being of a higher, finer grade than further south.

Stock Non-Assessable.

Capable, conservative men behind the company.

The first sale of the stock is now offered at the extremely low price of 20 cents per share. Put your money with us and help put down our first well and you will get the full benefit of the rise in the stock. Our best oil men say we have as good land as there is in the State Address all communications and make all drafts payable to

F. M. PERSINGER, Secretary
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Kern River Oil Land.

Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.

This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also t the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

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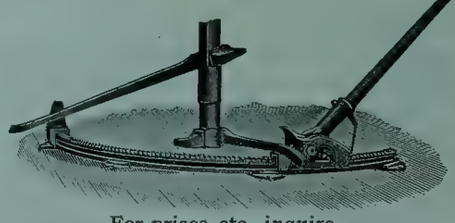

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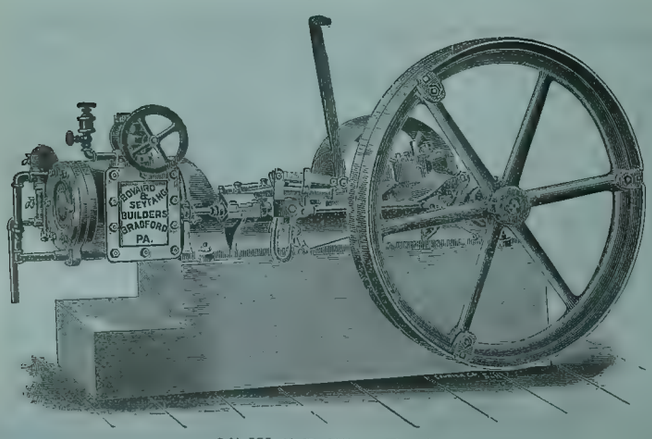

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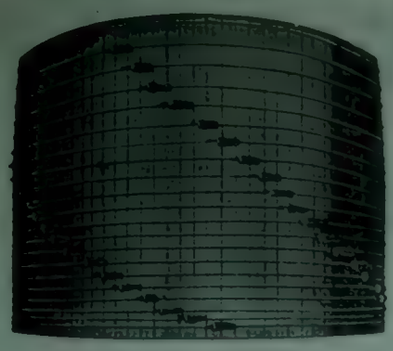

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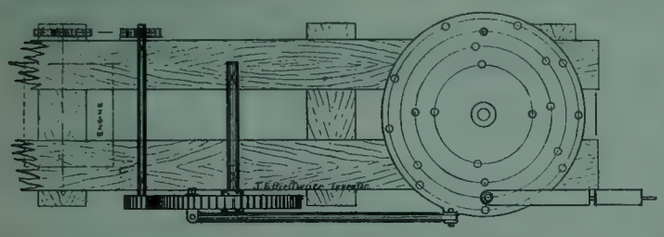

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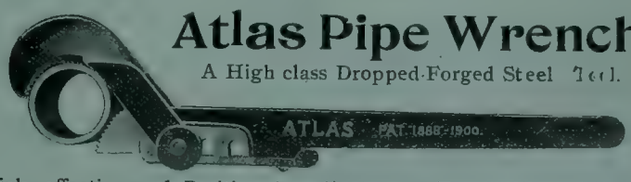

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Made in four sizes: 10, 18, 24 and 36 inches. Handling from one-eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

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Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, F. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Fransco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
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COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

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COLOSSAL OIL AND MINING COMPANY.
Capital.....$500,000
500,000 shares at $1.00 per share.
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
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Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal

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Capital.....$100,000
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Office—Room 40, Nevada Block, San Francisco.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
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Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOLDEN REWARD OIL & DEV. CO
Capital.....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
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GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22, T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Owns 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer.
Office: 783 Market street, San Francisco.

GRAND PACIFIC OIL CO.
Capital..... $1,5000,00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
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T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository.
Office, Room 435, Parrott Building, S. F.

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; C T Henderson. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. 500,000 shares being sold at five cents per share; 2 wells drilling, 5 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

J S POTTS OIL, LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 33 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president. J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares. ...par value, $1.00.
Officers: Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

PCINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000. Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer; I W Taber, President Taber Photo Co, Secretaary Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Coekling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V. Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M
Office—552 Parrott building, San Francisco, Ca

Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capitalization. Economical management.

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,
399A Parrott Bldg, San Francisco

Oil Land, Oil Stocks, Oil!

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Lands to lease on royalty or will take stock in progressive companie

Companies Incorporated under non-assessable laws.

Will assist parties desiring companies promoted or Incorporated.

Bachelors' Oil Company,
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Oil company.

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Rooms 611-612-613
Hearst Building,
San Francisco
Telephone—Black 91.

Hollister Crude Oil Co.

Has 100 Acres 4 miles south of Hollister, where companies are now drilling, and more rigs are being completed.

Our derrick and bunk houses are finished and water pipe laid.

Capitalized for 500,000 shares at $1.00 each.

200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

For prospectuses or information apply to agents or to

C. J. TALLON,

Room 16. **308 Market St.**

OIL LANDS.

1,000 acres, title United States Patent, Devil's Den District; $27,500; 320 acres, San Benito county, near Wells, only $15 acre; 40 acres, Kern River District, $32,000; 320 acres, McKittrick District, $27.50 acre; snap in Sunset. E. B. HUNSAKER, 6 Eddy street, San Francisco.

MARSH RIG BUILDING CO.

Office, Room 4, tenth floor Mills Building, San Francisco.

Builders and Contractors for

Oil Well Rigs

Estimates furnished and contracts taken for building Oil Well Rigs, Derricks, Cook and Bunk Houses complete, ready to operate in any part of California.

Lowest prices quoted on Casing, Drilling Tools and Oil Well Supplies of every description. Satisfaction guaranteed.

Sunset

Stocks in several of the strongest companies in the Sunset field offer the best opportunities for small investors

SUNSET CONSOLIDATED, 15c per share.

SUNSET KING, 15c per share.

In amounts from 100 to 1,000 shares.

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MEMBER LOS ANGELES STOCK EXCHANGE

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Oil Well Drilling and Fishing Tools

Manufacturers of **W. W. Swan Expansion Under Reamer**

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Stationary and Portable Boilers, Steam Engines,

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And everything needed to drill and operate

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Drilling : Rigs

Standard and Portable

DRILLING TOOLS
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WELL SUPPLIES

Of Every Description

Manufactured by the

St. Louis Well, Machine & Tool Co.

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Galvanized Steel Strand

SAND LINES, ETC.,
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BLOCK CLIPS
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Analytical Chemists

Special attention given to the analysis of Oils, and to the tests of Gypsum, Kaolin Clay and other minerals held by the Land Department as sufficient to maintain placer mineral locations.

Quick and accurate returns at moderate prices.

123 California St., San Francisco

S. S. SIMON

Original owner of Oil Lands in

KERN
MONTEREY and
SANTA BARBAARA
Counties.

Forty to one hundred acres of free and given for development.

Address 479-480 Parrott Building

Telephone, South 757.

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Oil Lands Experted

The Road to Wealth

Headquarters School and Government Lands.

Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick, Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

WISEMAN'S LAND BUREAU

237 W 1st street

Los Angeles, California.

400,000 Shares of Oil Stock

NON-ASSESSABLE STOCK

California & Utah Oil Company

Incorporated under the laws of the State of South Dakota. Capital $1,500,000; par value $1.00 per share.

CALIFORNIA OFFICE **ADAMS BUILDING, 206 KEARNY ST.**

ROOMS 413 AND 414, SAN FRANCISCO, CAL. TELEPHONE MAIN 846.

E. V. BUCKOW, President. R. D. HEALEY, Vice President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository

——The lands are located as follows:——

Great McKittrick	160 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	160 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

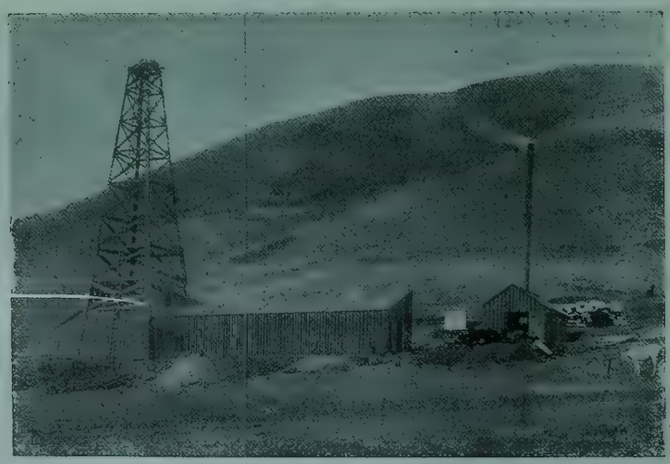
Drilling on Section 10, Township 30 S, Range 21 E, McKittrick District, to be commenced early in March. This property is adjacent to the largest producers in the State.

The first block of stock is now selling rapidly at 25 cents per share. The second block of stock to the amount of 100,000 shares will soon be on sale at 50 cents per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

GRAND PACIFIC OIL STOCK



Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non-Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages:

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts, as follows: Sunset and McKittrick District, Kern County; Coalinga District, Fresno County; Kettleman District, Kings County, and Contra Costa County.

SECOND—Stock is absolutely Non-Assessable.

THIRD—Large Capitalization by which successful development in absolutely assured.

12,000 Shares Sold in One Day.

One hundred thousand shares sold in less than three months. Second 100,000 shares now selling rapidly at $1.00 per share; when sold 3rd 100,000 shares will be placed on the market at $2.50 per share

The officers of the company are all well-known business and professional men. A. G. Deardorff, President; J. M. Merrell, Vice-President; John Choice, Secretary; Wells-Fargo Bank, Depository; F. A. Berlin, Attorney; Franklin Person, Superintendent Agencies. Directors: J. M. Merrell, E. H. Baxter, J. A. Miller, John Choice, J. C. Sala, F. A. Berlin, R. L. Rigdon, A. G. Deardorff.

Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

Endorsed by the California Petroleum Miners' Association.

VOLUME 2

NUMBER 20

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MARCH 22, 1901.

R.H. HERRON CO.
DEALERS IN
Oil Well Supplies
Largest House on the Pacific Coast.
THE LATEST IMPROVED MACHINERY AND TOOLS. READING CASING AND TUBING.
SAN FRANCISCO. LOS ANGELES.
BAKERSFIELD. HANFORD
AND COALINGA.

10 Cents Per Share

Three Wells
To Be Drilled at Once

10 Cents Per Share

Stock Selling Rapidly and will go to 25c very shortly, As Only a Small Amount Will Be Sold at That Price.

THE KERN VALLEY OIL CO.

Incorporated with a strong directorate under the laws of South Dakota Capital stock 500,000 shares. Par value $1 per share. 200,000 shares in the treasury. Stock non-assessable.

HAS 6,600 ACRES APPROVED OIL LAND

in best districts: Kern River, Sunset, San Diego, Poso, Glenn County. Will have a drill going on the lands in thirty days. Two other wells contracted for. We own 2670 acres in the celebrated Cottonwood district, Kern Co., Cal. Oil lands for sale or lease on most reasonable terms.

50,000 Shares Now Offered at 10 Cents per Share

to push development work. Write at once for full report and maps, and all information to

THE KERN VALLEY OIL COMPANY

Room 13, 5th Floor, Mills Building,
San Francisco, Cal.

STOCK Non-Assessable

A Few Reliable Agents Wanted on the Coast and in the East

STOCK Non-Assessable

2,000 MORE SHARES OF
Sovereign Stock
at 75 Cents Each

THREE DRILLING RIGS AT WORK

Location of land and management are two essential points to be considered before investing in oil stocks—both are factors in measuring profits. Progressiveness in management is necessary for quick returns. The Sovereign Oil Company was incorporated on October 15th last TO DRILL FOR OIL. It now has two completed wells (capacity 300 barrels) and well No. 3 is down 400 feet. Rigs are being moved from wells No. 1 and 2 to derricks 4 and 5, and wells No. 4 and 5 will soon be under way. Orders will be received for 2000 shares of development stock in order of receipt. Prospectus and Maps if you wish them.

Sovereign Oil Company

35-36 Crocker Building **San Francisco, Cal.**

UNDER DIRECT MANAGEMENT OF H. H. BLOOD AND WILLIAM ELLERY.

PACIFIC OIL REPORTER

VOL. 2. NO. 20. SAN FRANCISCO, CAL., FRIDAY, MARCH 22, 1901. PRICE, TEN CENTS

A PASSING DROP IN OIL PRICES.

A Temporary Evil From Which Great Good to the Industry Will Flow.

Lack of Money Prompts Unreasonable Sacrifices but Temporary Harm Will Be Followed by an Expanded Market and an Upward Reaction.

Last week the oil stock market took a tumble. Holders of stock, brokers, and promoters were complaining bitterly because the price of most stocks had so materially declined. Among the stocks where this decline in price was most noticeable, so far as the Producers' Oil Exchange is concerned, was the Bear Flag from 21 cents to 15 cents, Caribou from 75 cents to 65 cents, Home Oil from $4.15 to $4.00, Hanford from $102 to $97, Monarch from 63 cents to 58 cents, Occidental from 61 cents to 47 cents, Peerless from $8.25 to $8.00, Petroleum Center from 17 cents to 15 cents, San Joaquin from $11.50 to $10.87½, Twenty-eight from $1.60 to $1.30, Wolverine from $1.40 to $1.25. The full amount of sales in the Producers' Oil Exchange last week amounted to $68,098.38. During the week ending January 9 the number of shares sold in the Producers Oil Exchange was 209,510 and the value of the shares was $200,769.54; for the week ending July 6, 1900, the amount received for shares sold was $6,376.93; for August 24 the amount was $16,472.50; for the week ending September 7, $29,013.10; for the week ending October 5, $31,256.80.

It will be seen from the above figures that last week's sales of $68.098 38 though less than those of January last are still greatly in excess of the average weekly sales for last year, and the price for stock is also much higher than the price of the same stock up to January 1st of this year.

The oil business generally, so far as the sale of oil stock is concerned, is much better than it was up to the first of the year. Whatever slump in prices have occurred has been due largely to the fact that certain companies located in the Kern River district have simply sacrificed the price of oil. A number of companies, who have from one to four wells each, in order to secure the money necessary for further development purposes, have entered into contracts to supply oil at figures that are away below the market price.

Kern river oil has recently sold for 30 cents a barrel, and even less in the field. This has been because certain companies badly wanted money and have made unreasonable sacrifices to secure ready cash. There is not the slighest cause for any drop in public confidence in the future of the oil industry. Lower prices for oil surely mean a more rapid increase in consumption and an early upward reaction when consumption, transportation facilities, etc., overtake production.

It is a well known fact that the oil from a new well is liable to be full of sand as is always the case when a well has been recently perforated, consequently the oil from these wells is not of a sufficient quality to command a high market price. The effect, however, has been to temporarily knock the price of oil, which in its turn has resulted in not only lowering the price of oil stocks but also in lessening the number of shares sold in open market.

The demand for oil to-day is far in excess of the supply and this demand will increase rapidly as soon as the Standard Oil company gets into a position to supply nearly all the oil that the state can produce.

Said Mr. Sleeper, the president of the San Francisco Clearing House, last week, "I was informed by Mr. J. B. Treadwell that he has received orders from the Southern Pacific company to install a system which will enable them to burn oil on all their engines as far south as El Paso. This means storage tanks all along the line and a constant and increasing supply of good oil. It also means, or should mean, unless the producers adopt a business policy which is simply suicidal, good rates for oil, and a company that sells its oil for less than 50 cents is marketing its oil at a lower price than is necessary."

Coalinga oil is selling today at 80 cents, f. o. b. There is no reason why Kern County oil should not sell at nearly as high a price.

In regard to the Sovereign, a photograph of which appears on this page, it may be said that they have two wells completed and ready for the pump, while the third is ready for perforation. The two wells already completed have a capacity of 700 barrels a day, but no oil will be taken out of storage and placed on the market which does not bring a fair price.

If other companies would follow a like policy there would be no contracts made at ruinously low prices. The price of oil stocks would continue firm and there would be an increased demand for oil to large consumers. It will not only be a heavy buyer but will demand oil of the finest quality, free from sand, and will pay a fair price for it. There is no reason why the combination of producers in Kern county should sell their oil for less than fifty cents a barrel. They should obtain even a higher price. There is no reason why individual companies who are not in the producers combination should sell their oil for less than fifty cents. Within a few months the Southern Pacific and Santa Fe companies alone will be using

Oil From Well No. 11, Sovereign Oil Company.

Said William Ellery last week, of the Sterling and Sovereign Oil companies: "None of our wells are producing for the reason that we do not propose to sell oil at less than market prices. The present policy of some of the Kern county producers has resulted in an unnecessary and absurd lowering of the price of oil. We do not propose to sell our oil at any such figure. We are not obliged to sell our oil and propose to wait until the present suicidal business policy of some of the large producers is discontinued."

the same. It is to be hoped that the present state of affairs, so far as the price of oil is concerned, will soon cease and that with the present increasing demand for oil that oil companies will take such a stand as will result in a regular market price for oil and not such state of indecision and fluctuation of prices as exists today.

There is also under way a system of determining, to a certain degree, the price of oil from the number of heat units the different oils

Continued on page 11.

TRANSPORTATION RATES.

General W. H. H. Hart Makes an Interesting Report.

The Committee of the California Petroleum Miners Association to Take Action in Regard to Freight Rates on Oil.

At a meeting of the California Petroleum Miners' Association a committee, of which Gen. W. H. H. Hart was chairman, was appointed to secure a reduction on the present transportation rates of oil. A meeting of that committee was held at the Association rooms on Tuesday and General Hart made the following report:

To L. P. Crane, President California Petroleum Miners' Association, and to W. A. Jacobs, Hon. E. D Berri, G. W. Terrill, C. A. Canfield, C. T. Deane and Arthur R. Briggs,

GENTLEMEN: The California Petroleum Miners' Association, through its President, L. P. Crane, appointed a Committee on Transportation, to consist of the following members:

W. H. H. Hart, Chairman; W. A. Jacobs, Hon. E. D. Berri, G. W. Terrill, C. A. Canfield, C. T. Deane, and Arthur Briggs.

The object of the committee was to ascertain the feasibility of securing a reduction in the transportation rate on crude petroleum from the various California oil fields to the points of consumption. A meeting of that committee has been called for Tuesday, the 19th inst. at 10 o'clock A. M., and as chairman of the committee I desire to report as follows:

First. On account of the death of Collis P. Huntington, Esq., and the change in the presidency of the Southern Pacific company, I have been delayed in ascertaining the facts which I desire to submit to the committee. Since his appointment as president of that company, Mr. Hays has been absent in the East much of the time, and I have been unable to procure information on one point which I desired to submit to the committee.

Second. After a careful investigation of this matter I desire to submit the following facts which I consider bear largely upon the question of oil consumption and the rate of transportation that should be charged from the points of production to the points of consumption.

The year 1900 proved itself the banner year for coal imports into California, exceeding in quantity all former years. The various sources from which we have derived our coal supplies are as follows:

	Tons.
British Columbia	766,917
Australia	178,563
English and Welsh	54,099
Scotch	None
Eastern (Cumberland and Anthracite)	17,319
Seattle (Washington)	250,590
Tacoma (Washington)	418,052
Mt. Diablo, Coos Bay and Tesla	160,915
Japan, and Rocky Mountains by rail	42,673
Total	1,889,128

In the above amount there is included the coal received by water at Port Los Angeles and San Diego, which amounted to 165,965 tons.

The total imports of coal in tons for the three years previous to 1900 were as follows:

1897	1,601,540
1898	1,832,373
1899	1,740,027

I am indebted to Mr. J. W. Harrison, Coal and Metal Broker, 303 California street, this city, for the above figures; and in this connection it is well to take into consideration the amount of oil produced and consumed during the year 1900. On this subject Mr. Harrison says:

FUEL OIL.

"No event has occurred in the history of our state which will determine its permanent and successful career, as the promising oil developments in several of our interior counties during the year 1900. It now declares itself a potent factor, as a steam and heat producer to every manufacturing interest in the state, and its permanency cannot now be questioned. It will take several months before its distribution can be uniform, and consumers may become assured of regular delivery as required. Already several of our large coal consumers have modified their plant to conform to oil; they claim the change has diminished their expense account materially, and they can see no valid reason for discontinuing its use. I have gleaned information through every reliable source, and I feel assured that my figures are conservatively correct, that the product of fuel oil (only) for 1900 will foot up 4,300 000 barrels, and for the incoming year it can be safely estimated that these figures will be increased fully 12½ per cent. This will be an increase of about 100 per cent. over and above the figures officially reported by the State Mining Bureau, as the output for 1899. It is claimed there are over 1,450 wells now producing, which number is increasing monthly. Some of these wells have been capped, as the present tankage is insufficient, although their present capacity including the refineries' tanks amounts to nearly 900,000 barrels Fuel oil can be delivered to consumers here at about one dollar per barrel, and it is generally conceded that this price will be shaded later on. This means low-priced fuel, and will assure us a large number of factories, etc., which could not be profitably maintained under ruling coal values."

I have carefully gone over the figures which Mr. Harrison has tabulated and have made many enquiries relative thereto, and find that he is practically correct.

My object in quoting these figures is to show that during the year 1900 the production of oil was in the neighborhood of 4,300,000 barrels, equal to 1,075,000 tons of coal. From my investigations I have come to the conclusion that of the 1,889,128 tons of coal imported into California during the year mentioned, at least 1,000,000 tons should give way to the use of oil, creating a market for an additional 4,000,000 barrels of oil.

The question now arises, and it is for this committee to consider, what shall be done? What method shall be followed to replace 1,000,000 tons of coal thus imported by the use of oil? I know of no better way than for the oil men to compete with the coal men, but upon due consideration I find that this cannot be done unless the railroad rates on oil are materially reduced.

The railroad companies now practically charge 42 cents per barrel of forty-two gallons from all points of production to the points of consumption. This does not include the switching charges, which vary at different points in the state.

After careful study it is my opinion that, in order to enable oil producers to compete with coal, the transportation rates on oil should be reduced from 42 cents per barrel to 25 cents or 30 cents per barrel.

In my investigations, as far as I have been able to go, I have heard complaints relative to the uniform present rate of 42 cents per barrel from the point of production to the point of shipment irrespective as to whether it is a long or a short haul. Much can be said on both sides of this question. The oil producers of McKittrick find serious fault from the fact that they pay the same rate to Bakersfield that they pay to San Francisco, while the Kern River producers find fault from the fact that it costs them more to deliver their oil in San Francisco than it does those of McKittrick, for the reason that charges for switching are made at the Kern River district which are not made at McKittrick. My own judgment is that the charge should be uniform irrespective of the length of haul, for the reason that the production of crude oil in this state has become a great industry, and when considering a rule of action or the measure of rates to be charged, the fact of encouraging an industry rather than destroying it should be taken into consideration. If rates are made favorable to one locality they necessarily must be unfavorable to another, and we who are at present producing oil in the Sunset, McKittrick, Coalinga and Kern River districts, would certainly feel injured if new oil discoveries were made say, for instance, in the neighborhood of Mt. Diablo, and the producers be enabled to railroad their oil into San Francisco at such rates, based on distance, as would shut out oil produced in the districts named. If the rate is uniform, no new discovery, no matter how near to the point of consumption, could bar the oil produced in localities more remote.

WHAT SHOULD THE RATE BE?

In pursuing my investigations upon this subject I am sorry to say that my inquiries had to be made of people interested in railroad business outside of this State, for I was unable to obtain from our railroad people information as to the actual cost to the companies for the transportation of a car loaded with oil. I submitted this question to eastern men interested in railroad traffic, and after many interviews and much correspondence, the conclusion has been arrived at that the actual cost of transportation of a car carrying from 150 to 175 barrels of oil is, when loaded, three cents per mile per car. In view of the fact that the grade from our California oil fields to San Francisco is down grade, it is reasonable to suppose that the cost here is less than the three cents per mile above mentioned. But taking that as the actual cost to the railroad companies, then the cost of transporting a car of oil from Bakersfield to San Francisco, a distance of 312 miles, would be $9.36; and allowing the same rate in returning the empty car the total cost would be, from point of shipment to destination and return, $18.72, where as the charges now are from $63.00 to $73.50 per car, according to the number of barrels carried.

I am informed that several oil companies have filed a petition with the Board of Railroad Commissioners of this State asking the commission to make an order fixing rates, and also to take some action in relation to having furnished the necessary facilities for the transportation of oil. Personally I consider such a proceeding impolitic. My idea is that the members of this committee should ascertain, if possible, a complete answer to the questions which must be considered in fixing a uniform rate for the transportation of oil. We have frequently heard said that the Southern Pacific demands all the traffic will bear; but that is merely the western way of putting it. Every railroad in the country has adopted its rates upon the theory of what the producer can afford to pay, and this alleged principle of the Southern Pacific is just what it is in other states. The quest on is how to meet it. If it be true that we must pay all the traffic will bear, then it is our duty to ascertain from our standpoint how much the traffic will bear. Is not there something for us to do? Must we not ascertain the cost of keeping our wells in repair, ascertain the life of casing, the expense of keeping out the sand, the cost of pumping, the waste, the tankage, keeping up the pipe line, charges for loading and unloading, etc.? In other words ascertain what it costs the producer after the well is completed. These are questions which must be answered before the Railroad Commissioners, if we appear before them, and they are questions which the railroad companies will ask if we appear before them for a reduction. It is my opinion that the oil producers should ascertain these facts, and when we are in possession of these facts, and have ascertained the cost to the companies for transporting the oil, which cost I believe, does not exceed the amount hereinbefore mentioned, we will be in a position to say how cheap this oil shall be carried; to say to the railroad companies that, in considering how much the traffic will bear, you must allow us the expenses of production and then at least a division of that which is left. I believe the fairest way to adjust these rates is to ascertain from the companies the exact cost of transporting a loaded oil car and returning it empty to the point of shipment; ascertain the cost of producing the oil, subtracting this amount from the selling price, and dividing the remainder in such manner as may be deemed equitable.

My opinion is that the cost should be reduced to 25 cents per barrel, irrespective of the length of the haul. This may seem a low rate, but I wish to call your attention to the fact that, when oil was first discovered, it was selling at $2.50 per barrel, and the freight charge was from 62 cents to 65 cents, about 25 per cent of the selling price of the oil. When the price of oil fell to $2.00 and $2.10 per barrel, the railroad of its own accord reduced the transportation charges to 52 cents per barrel. When the price of oil was reduced to $1.60 or $1.70 per barrel, the transportation rate went to 42 cents per barrel, at which it has since been maintained, notwithstanding the price of oil has greatly fallen. It will be seen that the railroad charges have been always in the neighborhood of 25 per cent of the selling price of the oil, and the present rate should be reduced accordingly.

It is my belief that oil at $1.00 per barrel will take the place of the bulk of the coal imported into California, and upon that theory there should be a market for over eight million barrels of oil, and upon that basis the railroad should receive 25 per cent of the selling price of oil or 25 cents per barrel. The question is, how is this rate to be procured?

March 18th, 1901.

Respectfully submitted,
WM. H. H. HART.

RESIDUE FOR FUEL.

Methods of Locomotive Firing in Europe and the Orient.

Several tender-locomotives have recently been built for the Madura Steam Tramways Company, which are fired with petroleum residue, a liquid fuel similar to fuel oil, which remains after partial distillation of crude oil for illuminating purposes. The engines differ in many points of construction from those used on the Trans-Caspian Railway in Russia and are fitted with numerous improvements based on the results of trials made at the works.

On the left side of the engine and in front of the driver's cab is located the reservoir for the liquid fuel, the level of the oil in the vessel being indicated by a float. At the bottom of the reservoir is attached a chamber in which collects the water contained in the residue, which water can be drawn off through a cock. The residue flows from the reservoir through a stop-cock to the feed pipe, traversing on the way a sieve which removes organic impurities.

FLUIDITY OF RESIDUALS.

Different classes of petroleum residue being of divergent composition exhibit variations in degree of fluidity. For example, the residue supplied by the Dort Petroleum Company is at 20°C. 33 times, and at 50°C. 10½ times less fluid than that produced by the Royal Petroleum Company. In order to warm up the residue and so increase its fluidity, a pipe is coiled around the sieve in the reservoir, which pipe can be supplied with steam from the main boiler by turning a cock, or from a supplementary boiler by means of a pipe and three-way tap. The water condensed in the coiled pipe can be blown off on to the wheel rims in order to reduce the amount of wear.

The actual burner is placed below the iron firebox and is bolted on to the ash box with screws. The oil feed pipe opens into the left hand side of the burner; the steampipe discharging into the top. The steam may be obtained from the main boiler by turning on a cock, or else from a supplementary boiler by means of a three-way cock and pipe.

For simplifying the service, an equilibrium value set at 5 to 6 atmospheric pressure and controlled by a pressure gauge is fitted to the pipe conveying steam to the burner. Between the boiler and this valve is a sieve (readily accessible for cleaning) which retains all solid matter (fragments of wood, stone, etc.), carried by the steam. The supply of fuel is regulated by a hand wheel mounted at a convenient height on the boiler and controlling the feed cock.

LINING OF FIREBOX

The petroleum residue, mixed with steam, flows from the burner into the firebox, where it is consumed. The flame generated by the combustion fills the whole firebox completely, and is of such high temperature that the walls of the firebox would burn through unless protected by a special lining of masonry. The type of lining employed has a decisive influence on the advantageous consumption of oil fuel. That designed by Urquhart is considered best for locomotives, and is used in the present instance, with a few slight modifications—in consequence of the reduced length of the

firebox. The residue, divided into three jets by the burner, is directed against a set of brickwork steps which deflect it and increase the fineness of division. At this spot the air necessary for combustion enters through two air channels at the sides, arranged in such a manner that the incoming air is warmed before entering the firebox, so that it may mingle with the flame and produce smokeless combustion. The flame, directed by a screen of firebrick, strikes against the rear wall of the firebox, and thence passes over the screen and into the tubes. A third air inlet is provided at the rear of the fire, and all three inlets can be closed by the driver, in order to regulate the fire, the condition of which can be kept under observation all the time through a small hole in the firedoor.

In order to raise steam in the boiler by means of wood or coal, a small grate is provided for kindling such a fire. As in other locomotives, a blower is provided, which can be set in work either by steam from the main boiler or a supplementary boiler connected by means of a pipe and three-way cock.

In the blast pipe is placed a valve that can be adjusted by the driver in such a manner as to close the orifice of the blower, and open direct communication between the pipe and outside air. This arrangement prevents the drawing of any inflammable gases from the smoke box into the cylinder, and the consequent risk of explosion and damage to the cylinder heads.

RESULTS OF TRIAL.

The results furnished by the first of these locomotives tried at Madura are surprisingly favourable. The charging of the reservoir with 300 litres (66 gallons) of petroleum residue supplied by the Dort Company occupied fifteen minutes, the fuel being warmed up by steam from a supplementary boiler (working at 3 atmospheres pressure) to 45° C., at which temperature it was sufficiently fluid. The locomotive boiler was filled with cold water, and the burner was turned on slowly at first in order to raise steam gradually. The pressures recorded were:—

At	o clock											
	2.50	4.10	4.23	4.32	4.40	4.51	4.60	5.08	5.15	5.21		
Atmos. pres	0	1	2	3	4	5	6	7	8	9		

From 4.10 o'clock the locomotive's own steam was used in the burner. At 5.24 the pressure reached 9½ atmospheres, the consumption of fuel having amounted to 30 litres (6.6 gallons).

The first trial run from Bangkalan to Kamal gave the following results:—

Weight of locomotive		18 tons
Weight of train		90 tons
Mean speed per hour	16.4 kilems=	10.2 miles
Mean pressure of steam		8.2 atmospheres
Actual length of track	18 kilems.	11.2 miles
Consumption of liquid fuel	70 litres	15.5 gallons
Consumption of water	744 litres	164 gallons
Resistance of locomotive 18 x 7.78	140 kilos.	
Resistance of train 90 x 2.24	202 kilos.	
Total	342 kilos.	752.4 lbs.
Virtual gradient of track		0.2 per 1000
Virtual length of track	11. kilos	11.8 miles
Consumption of fuel per kilometer	1.[illegible] kilos	8.11 lbs
Water evaporated per unit vol. of residue after allowing for leakage and wet steam		9.6 units
Cost of residue per 1000 litres 220 gallons		2[illegible] pd
Cost of fuel per kilom run 9.5 pf		1.[illegible]d

On the return trip the figures worked out:

Weight of train		66 tons
Mean speed per hour	20 kilems	12.1 miles
Mean pressure of steam		8.2 atmospheres
Consumption of liquid fuel	55 litres	12.1 gallons
Consumption of water	548 litres	121.[illegible] gallons
Resistance of locomotive 18 x 7.78	140 kilos	
Resistance of train 65 x 2.48	161 kilos	
Total	301 kilos.	[illegible] lbs
Virtual gradient of track		0.26 per 1000
Virtual length of track	16.8 kilems	12.1 miles
Consumption of liquid fuel per kilometre run	3.1 litres	0.682 galls
Water evaporated per unit vol. of residue after allowing for leakage and wet steam		9.[illegible] units
Cost of fuel per kilom run	9.[illegible] pf	[illegible]d

The average consumption of liquid fuel in the foregoing trips was 55 litres (12.10 gallons), with a train weight of 35 tons, the cost being less than 1d. per kilometre, whereas with coal the expense was 1.9.16d., or nearly double.

The street railways in the Dutch East Indies use both Holden's and Parson's burners. Provided the petroleum wells remain productive, the employment of oil residue as fuel will certainly become general. As to which burner is the best, this cannot yet be decided; but if it be found that the Holden burner is as economical as the others, and does not produce a too rapid corrosion of the firebox, it exhibits the advantage of requiring no brickwork lining in the firebox, and of being less noisy when the engine stops.—Pet. Review

The Standard's Prices.

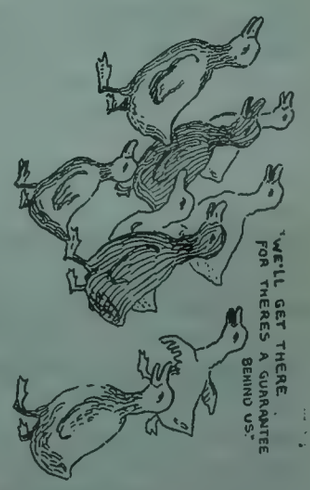
Here is the famous proclamation of the Standard's purchasing agent, issued in January, 1895. It is of importance as indicating how the Standard makes prices. "The small amount of dealing in certificate oil on the exchanges renders the transactions there no longer a reliable indication of value of the product. This necessitates a change in my custom of buying credit balances. Hereafter in all such purchases THE PRICE PAID WILL BE AS HIGH AS THE MARKETS OF THE WORLD WILL JUSTIFY, but it will not necessarily be the price bid on the exchange for certificate oil. Daily quotations will be furnished from this office."

JOSEPH SEEP.

January 23, 1895.

Mulberry Oil Company.

Among the new incoporations in the oil industry of the state is the Mulberry Oil company. The company owns 260 acres in the San Benito district in sections 7 and 8, township 15 south, range 7 east. Was incorporated on March 5th under the laws of Arizona with a capital of $500,000, divided into 100,000 shares at a par value of $5.00 each. A small block of stock will be sold for the purpose of development. The company has offices in the Emma Spreckles building, 927 Market street.



GRAY GANDER

Special Attention

Special attention is called to the location of its properties.

Value of investment can be estimated from the following;

Office Pacific Coast Underwriting Company, 504 Parrott Building, San Francisco, Cal., August 8, 1900

We hereby certify that we have underwritten the stock of the Gray Gander Oil Company and the advantages are as follows:

1st The stock is fully paid and non-assessable

2nd The buyers are guaranteed DOLLAR for DOLLAR of all money invested in this stock.

3rd The stock is preferred,

4th We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President.
W. B. BURROWS, Secretary.

Oil Comp'ny

Incorporated under the laws of South Dakota June 21, 1900.

Capital stock 200,000 shares; pa-value $1 each, Treasury stock 100,000 shares; sold with guarantee for deve-opment purposes.

OFFICERS

President.....O. B. PHELPS
Vice-President. ..... J. L. DOBLE
Secretary..... .....G. F. ABBOTT

Write or call at office 330 Pine street Rooms 44 and 45, for special inducements for short time.

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, MARCH 22, 1901.

Indications not Discovery

The lack of equitable operation in the present petroleum mining law is conspicuously shown in the case of a location in Ventura county, which was contested as an agricultural claim, because petroleum had not been actually discovered at the time of the second location. It was clearly shown that the land was worthless for agriculture and nearly so for grazing and that it was located in a distinct petroleum belt showing the same surface indications as adjoining oil-bearing territory, with oil sand several feet in thickness exposed, having a distinct petroleum smell. In spite of these apparently plain indications of the mineral character of the land, the court held that mineral indications, no matter how obvious, do not answer the requirements of the Federal statute in regard to the location of petroleum claims under the placer mining laws, which makes the discovery of mineral within the boundaries of the claim an essential element to the location of the claim. Consequently previous to actual discovery of petroleum the location of land does not withdraw it from entry.

In this connection the arguments before Attorney-General Van Devanter show a spirit of unfairness and an ignorance of the oil industry which was displayed by Senator Thurston in his argument on behalf of the scrippers few days ago, when he drew a graphic picture of the unfortunate homesteader deprived of his rights by the robber oil barons, who were grabbing everything in sight. Anything more absurd than the Senator's statement would be hard to imagine.

Oil Wanted.

Attention is called to the advertisement published in another column of the Pacific Coast Oil company, which is generally regarded as an adjunct of the Standard Oil Company, asking for bids for the delivery of 25,000 barrels of oil at the pipe-lines of the company in Kern River district. Bids will be opened March 30th. The result will be to establish, temporarily at least, a standard price for a first-class quality of oil, and will be of great benefit to the oil industry generally.

Lower Transportation Rates.

The report of General W. H. H. Hart to the Transportation Committee of the California Petroleum Miners' Association will be read by every one connected with the oil industry.

It is certain that unless lower freight rates are made by the railroads that the oil business will suffer. With the increased production in the San Joaquin oil fields the railroads are reaping rich returns, and these returns will increase as the oil output increases to meet the growing demand.

Sixty oil cars a day is now the average from Kern county. In a short time the average will be one hundred cars.

As each car earns about $74 on a trip, it will be seen the railroads are receiving about $4,500 a day from oil cars alone, or is making a daily profit of over $2,000 from the oil men of Kern county alone. This is as much as the oil men themselves make, and as prices for oil lower the profits will steadily decrease instead of increasing unless the railroads lower their rates. The rate should not exceed twenty-five or thirty cents at the outside.

A Plea for Optimism.

The most prominent features of the oil industry at the current time are the extraordinarily low prices of oil and a recent drop in many oil stocks. Both are the natural results of temporary conditions and neither will jar the confidence of the judicious in the future of the legitimate progress of the industry.

They are rather healthful operations, better occurring now than later. Kern river oil is selling at ruinous prices because a lot of individual producers are wildly scrambling to sell little carload lots of oil in the quickest way to get ready cash to produce more oil, wholly regardless of the effect on the market and on their own ultimate interests. It is just what has happened many times in the oil industy from Pennsylvania to the Pacific; it is just what has happened from like causes in nearly every producing industry, and it is something the California fruit growers know all about. It is a penalty prescribed in economic law and applies alike to prunes and petroleum. In this age of industrial organization the oil industry is disorganized. The market knows no large regulating forces such as effective organizations of producers, or such controlling factors as the Standard Oil Company is the east or such as would be a storage and commercial company of large capital. Inadequate storage and transportation facilities add to the chaos and uncertainty.

These unfavorable conditions will be largely corrected at an early date. Meantime low prices are stimulating consumption and hastening the great need of the industry, an adequate and reliable market for the output. When the equilibrium of the industry is restored the market will be vastly larger for an era of low prices which stimulated consumption. The market is working with its coat off to get ready to take all the oil that can be pumped in California. The railroads could use more than the present output and are hustling oil burners into their engines. Power users are flocking faster than ever to study the advantages of oil fuel. Even big mines in the Sierra Nevada's have decided on oil. The time is surely coming when consumers will hunt producers and prices be fair.

Low oil prices, too many irresponsible or carelessly exploited oil companies and a rapid multiplication of oil stocks have started a small tumble in stocks. This, to mix metaphors, will serve to put on the brakes a little while inflation has not yet even neared bursting pressure and will serve to inspire caution and more of judicious care on the part of both promoters and investors. But regarding this phase of the situat on we find home capital going into legitimate oil enterprises more largely than ever, Eastern capital coming to the California industry far more largely than ever before and the legitimate future greatness and prosperity of the industry more sure and plain than ever.

Don't be a pessimist.

The Del Kern Crude Oil company has been organized with C. D. Hinkle as president and A. J. Hinds as secretary. They have leased twenty acres with the option of purchase in section 8, 29-28, Kern River district. There will soon be a rig on the ground ready for work.

Paraffin Oil
Colusa County

Colusa Consolidated Oil and Refinery Co.

Offers a block of 20,000 shares at 50 cents per share After this sale the price will be advanced to $1 per share. With 4414 acres, low capitalization, cheap transportation (7 miles to railroad, 15 miles to tide water), paraffine oil worth from $4 to $8 per barrel, you are offered a safe, sure and profitable investment.

For further particulars call or address

STOVER, HOLCUM & CO.

630 Market Street,

Phone, Bush 274 Opposite Palace Hotel, San Francisco.

Union Ticket Office to all points in Alaska and Europe.

THE KESWICK CRUDE OIL COMPANY

STOCK NON-ASSESSABLE

Incorporated under the laws of Arizona, December 29, 1900.
Capital Stock, $1,000,000; 1,000,000 Shares, par value $1 each.

4000 ACRES IN SAND FLAT OIL DISTRICT, SHASTA COUNTY

Be on time. You cannot miss it. An investment of a few dollars now may bring you a fortune. The first **fifty thousand shares** of treasury stock will be sold for the small sum of **10 cents a share,** the proceeds to be devoted strictly to development work.

Twenty-five Thousand Shares are already sold. **Now is the time** to get in on the ground floor and secure your stock before the raise in price.

Derrick will be erected and drilling commenced as soon as machinery can be purchased and placed on the ground.

Two wells now drilling in near vicinity; one within thirty feet of our land. For information or Prospectus, call on

CHARLES W. POPE

First Vice-President

11 Montgomery St., San Francisco.

DRILLING IN THE ISLANDS.

How Water Wells are Put Down 1700 Feet.

Referring to an item which has appeared in a number of papers recently, reporting alleged discoveries of "petroleum seepages" near Honolulu, and touching the consequent possibility of Hawaiian oil developments, The Petroleum Gazette learns from a Pennsylvanian, who worked over a year there with a crew putting down water wells, that in none of the wells he helped to drill, one of which was over 1,700 feet in depth, was there any show of oil or gas, and that he never heard of any well in the islands in which an oil or gas showing has been found, or any formation suggestive of either. Such being the case he is inclined to the belief that if the aforesaid "petroleum seepages" have been discovered it is more likely they have seeped from an oil can or other surface receptacle than from an undeveloped Hawaiian oil pool. Below the surface drift, generally of shallow depth, the formation is practically all a lava rock, with pockets of cinders. These pockets are large in numerous instances, and much work is required to exhaust them, but it is not necessary to abandon any holes on their account. Usually the hole is sixteen-inch at the start and twelve-inch at the finish. The water when first struck and for a time afterward is not salty, but it is not cool. On the contrary, it is too warm for use as it comes from the wells. When the latter have been pumped a couple of months, the water becomes salty, and the wells are shut down while Dame Nature rejuvenates the subterranean filter and freshens the supply, the pumps being put in motion in the meantime at other wells which have been undergoing the freshening process. In order to maintain a fresh water supply this alteration in the operation of wells must be kept up regularly.

Quite a number of the wells drilled in the islands have been put down by men sent from this country under contract with the Standard Oil people, the latter including with their compensation shares in tracts of land whose value would be greatly enhanced by the striking of good veins of water in the wells in prospect. Remarkable advances in values have attended the making of some of such strikes on new plantations. Speaking in a general way of the result of his observations our informant said he was soon impressed, together with his companions, by the fact, that the earlier missionaries must have been considered "pretty much the whole thing," and must have exercised much business tact and thrift in addition to their spiritual activities, acquiring large tracts of land and an ascendancy over the natives which eventually resulted in the annexation of the islands. As illustrating how nearly the mere word "missionary" seems to be considered a synonym for the whole white race in the native mind, he cited the instance: Pointing one day to a native whose complexion was quite light, he said to another native who was working for him: "How does it come that he is so much whiter than you?" the answer was: "Oh, he half missionary, I only quarter missionary."

MULE STRIKES ASPHALT

History of a Recent Find in McKittrick.

A "Rube" and a gaunt mule were familiar figures in the oil field of McKittrick a few months ago, and are now, for that matter; but the "Rube" is no longer looked upon as a country bumpkin, and the mule is fast losing his boneyard credentials, according to a story in the Times.

"Rube" and the mule were as inseparable as brothers; both were on their "uppers," but shared each other's fortunes, and suffered the jests of their associates, until one day the mule and Reuben Houck made a discovery that promises rich returns.

For months Houck has spent all his spare time in prospecting the undeveloped sections around the growing McKittrick field, according to a recent story in the Times. On these trips his faithful mule has been his only companion. Each trip he has returned empy-handed, but still hopeful. Two weeks ago he slipped into camp one evening, and the next day went to Bakersfield. His associates were curious, and the mule that had been left behind was so grief stricken that he refused to eat for two days.

At the end of that time Houck returned, bringing with him an option on one of the undeveloped corners of McKittrick, and a story of a wonderfully rich deposit of asphaltum, which the mule's hoof had laid bare. Samples of the outcropping he had taken to Bakersfield, where the assay proved the deposit to be wonderfully rich.

Two shafts have since been sunk in almost solid asphaltum, one to a depth of sixteen feet, and from the bottom samples have been taken which assayed as high as 96 per cent pure. Those who have visited the find say it is not only the richest deposit in the state, but also the largest that has yet been reported.

It is also believed that there is oil to be found in that part of the district, and Mr. Houck has organized the Grant Oil company, which will soon begin drilling, in the hope of finding oil 300 feet below the asphaltum.

Those who are aware of the tie which binds man and mule, know how little is the possibility of separation. A stranger in the district the other day noticed the air of prosperity about Houck's four-footed friend, and made an offer for him on the spot.

"For that mule?" asked Houck, "Why, I'd sooner sell my claim," and people of the district believe him.

Oiled Roads.

A Carpinteria correspondent of the Santa Barbara News has the following to say in favor of crude oil for road-making purposes: "Take all the roads experimented on last year by Superintendent Deaderick and not a road became dusty in summer or muddy in winter, and this work was done experimentally, and consequently can be improved on very much. Crushed rock is not "in it" with crude oil, and the rock would prove much more expensive in any event when cost of hauling and crushing is taken into account. In this valley on the Casitas Pass road, for instance, when the sandy and stony stretches of road have been so bad even in the best of years the application of the oil has kept the road together during the past season after three consecutive seasons of the worst road weather on record, and the sudden change to the rutty, dusty, stony roadway just beyond the oiled position was almost unendurable."

Colusa Consolidated Oil & Refining Company.

R. W. Snow, present mayor of Oakland, has been elected vice-president of the Colusa Consolidated Oil & Refining company. The president, Mr. Holcomb, reports that several blocks of stock have been sold in the East, and arrangements have been made for commencing work about the 10th of April.

The California and Utah is finding a good demand for its stock in Denver and Salt Lake. The company has ordered its rigs recently.

Pacific Coast MANUFACTURING CO.

Successors to **BOOTHE MANUFACTURING & SUPPLY CO**

126-128 South Los Angeles street

LOS ANGELES, CAL.

Steam and Gasoline Engines, Boilers, Pumps, Air Compressors

OIL WELL MACHINERY Drills, Tools and Supplies of Every Description

Mining and Milling Machinery, Belting, Pulleys, Shafting, Engineers Supplies.

Under the management of Mr. James A. Haskett, who has, before entering this company, long had charge of the Kansas City branch of the house of Fairbanks, Morse & Co., the stock will be largely increased and a number of new lines introduced, such as will be specially worthy of the attention of miners, manufacturers, ruit growers and others who desire to get the latest and best machinery.

THE DABNEY OIL COMPANY

OF McKITTRICK (Incorporated)

Has opened offices in this city at 330 Pine Street, Rooms 5 and 6. The Dabney Oil Company has now Ten Producing Wells. Will complete two more this month and two in March. Will pay a dividend April 1st. Owns the famous Dabney gusher. Is selling oil in carload lots. Offers a limited number of shares of its stock at **$1.00** per share. A gilt-edged investment. Will pay not less than 1 per cent a month in dividends on and after April 1, 1901. Can you do better? Call or address

DABNEY OIL COMPANY, 330 PINE STREET, ROOM 5.

For information and terms for oil in carload lots apply at the office.

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

Safe Investments

INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order NOW and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

MOSTELLER & ALLEN, Brokers

565-566 Parott Building, San Francisco

Send postal for "Oil Facts and Figures," now in press.

OIL INDUSTRY BOOMING.

A Los Angeles Business Man Writes Encouragingly.

LOS ANGELES, Mch. 16, 1901.

EDITOR OF THE PACIFIC OIL REPORTER:—The subject of the present situation of the oil industry in California, on which you have invited us to give our views, is a very broad one, as well as locally important. The majority of people here scarcely realize, as yet, what it is doing for this state, and they are still less awake to the fact that fuel oil is soon to rule the fuel markets of this and other countries. The fact that petroleum found in California is heavier and less suited to illuminating purposes than that which is found in the eastern states, is not, as was long thought, a disadvantage but the opposite, because the skill of inventors has perfected appliances which make it the most convenient as well as the cheapest fuel that can be obtained.

Here in Southern California, which is naturally rich in almost everything that can be desired, the development of petroleum has supplied the greatest need of the country. It has more than counterbalanced the effects of three bad crop years, and has kept the people full of hope and energy. The extreme excitement which followed the discovery that this region had, not only possibly, or probably, but beyond all doubt, deposits of petroleum so vast that they could not be exhausted in half a century, of course led to much wild speculation in the stocks of mushroom companies, but that state of things has come to an end, and is, perhaps, not likely soon to recur. The fine rains of this season, together with other causes, have turned much of the attention of speculators and investors from oil to real estate, for which the market here has long been depressed, but it has rapidly improved during the past two months, with every indication of an important and continued rise, the first since 1887. A good deal of the money that has been made in oil is seeking investment in valuable residences and business lots. At the same time the condition of every industry connected with petroleum was never before so good as it is to-day. The principal difficulty with which dealers in oil well machinery have to contend, is that of obtaining the stock which they need fast enough to keep up with the demand. The amount of crude petroleum produced is sure to increase steadily, and no fear is felt that the market will be over-supplied or that prices will decline. The situation is such that oil is sure to be used more and more in factories, pumping plants, electric light and power plants, and locomotive engines, and for almost every kind of machinery that has until lately been run by burning coal to produce steam or electric power. The consumption of oil on the Santa Fe railway was 30,000 barrels per month in 1899, and it is now about to consume 100,000 barrels, and the Southern Pacific will consume an equal amount. You may assure your readers that there is nothing the matter with the oil industry in Southern California.

J. B. HASKETT,
Vice-President and Manager of the Pacific Coast Mfg. Co.

The Famoso.

Famoso's well No. 1. on 4, 29-28 is rated as being one of the best in the state. In a week's pumping it overflowed their sump-hole and necessitated the procuring of tanks to handle the surplus of oil. This well pumped over 400 barrels in less than half a day. This is the well that carried the record of the Kern River District for being completed in the shortest space of time. Well No. 2. is in the oil sand, and expected to be on the pump on the 1st of April, and there is every reason to believe that No. 2 will be equal in product to No. 1.

At the last meeting of the Board of Directors of Famoso, notice was given to the public that treasury stock will be sold at 50 cents only until April 10th, after which time investors will have to pay 75 cents per share, hence those who contemplate buying Famoso stock, should file their applications as soon as possible.

Looking for Oil in 1865.

Mr. G. W. Hope of the Solano County Abstract Company calls our attention to an old filing made in 1865 on land in the Suscol tract for the purpose of developing coal and coal oil. Mr. Hope discovered this old claim in his search of the records in the Recorder's office. On March 13th of the year stated, E. Celle and W. B. Agard filed a claim on the northeast and northwest quarters of section 23, township 4 north, range 3 west. and on the 6th of April following, J. Neate and J. Leggett filed a similar claim on the southeast and southwest quarters of section 14, same township and range. They combined their claims for the purpose of economizing on development work and, as will be seen, the four men had an entire section of land under their control. The land is now owned by B. Gaffney, Mrs. H. Morris, W. L. Booker and the Page heirs, and the well bored on the Page tract by San Francisco parties last year is within a quarter of a mile of the eastern line of the section on which Celle, Agard, Neate and Leggett filed in 1865. Just what development work these pioneer oil prospectors did is not stated. This record proves that the oil indications in Solano county attracted the attention of the early settlers about as soon as did those of any other part of the state.—Solano Republican.

Turns Dimes Into Dollars.

The stock of the Kern Valley Oil company is being purchased very rapidly by investors and in all probability the first block of 50,000 shares, which is now selling for 10 cents, will be disposed of before April 1st, and after that date the same will be advanced to 25 cents a share.

The Kern Valley can be rated among those companies which will pay large returns to their stockholders, as they own valuable lands in various oil districts which include a large acreage in the celebrated Kern River district where failure to strike oil is unknown. Beginning on or about April 1st three Standard rigs will be set up and boring will be commenced with double shifts until the wells are completed. Mr. J. H. Edson, the company's manager, is one of the most aggressive and experienced oil men in the state and the reputation he bears in oil circles is a synonym of success to any company. "Now is the time to turn dimes into dollars."

GUARANTEE UPON GUARANTEE

Famoso's Well No. 1 is Finished and is Pumping Over 600 Barrels daily. Well No. 2 is in the Oil.

Guaranteed from the beginning by the Continental Building and Loan Association, the value of the stock of

The Famoso Oil and Investment Company

Is now established by the proven richness of its holdings in the Kern River District. We are not only in the CENTER OF OIL PRODUCTION IN CALIFORNIA, but our first well is the peer of anything in the vicinity. Our engagements require us to complete three more wells this summer, making

Four Wells in Six Months

That is the reason why we will sell Treasury Stock for a short time longer at the same price. WE MUST HAVE QUICK CASH FOR RAPID DEVELOPMENT. Energetic work now will put the company on a dividend paying basis this year.

Our Stock is a Bargain

At the old price of 50 cts. a share. Stock will be advanced to 75 cts. the 10th day of April, at which time well No. 2 will be on the pump.

Call at our Office, or send for Prospectus and Information. Inquire about us from any reputable journal identified with the Oil Business.

OFFICERS :—John P. Albro, President; A. J. Munton, Vice-President; T. A. Sheppard, Secretary; S. D. Miner, General Manager.

Office: Room 393 Parrott Building, San Francisco

Branch Office, 1330 E Street, San Diego, Cal.

PACIFIC COAST OIL NEWS.

Recent Developments in Oil in Various Parts of the State.

COLUSA.

The Smith & Gorrill well is having the casing pulled with a view of enlarging the hole, and some caving has resulted.

A recent corporation called the Colusa County Oil Company is about to begin operations on the Harlan property west of Williams. Messrs. Orr & Merach of San Francisco are among the directors.

Mr Parker, who is extensively interested in the Southern California oil fields, has made arrangements to lease the Jo Shearin place near Sites, in Colusa county and the contract is that he will have a rig up and a well going down within the next sixty days.

CONTRA COSTA.

The Mount Diablo Oil company, Contra Costa county, is to perforate the casing for about five feet and find out exactly what the first sand will produce before they go deeper. The oil is about 24 degrees.

FRESNO.

The Star No. 1 is 925 feet deep.

Oil City Petroleum is finishing well No. 5.

The Ajax is at work in the Coalinga field.

Commercial Petroleum is beginning work.

El Capitan on 31, Coalinga field, is making hole.

The Roanoake on 36 is drilling on No. 1 at Oil City.

The Home No. 8 is going down on the Coalinga lease.

The Rock Oil is at work getting ready to go deeper at Coalinga.

The Carmelita is 800 feet down and making good progress.

George W McNear's well on 31, Coalinga field, is in the oil sand.

The Corona is 895 feet in nine and five-eighths and making hole.

The Mercantile Oil company on section 6, Coalinga field, is spudding.

Good indications are found in the hole of the El Capitan company.

The Hanford is setting up a big gas engine to pump its Coalinga wells.

The Fauna went into the sand in Coalinga at 435 feet. It looks like a good well.

On 31, an adjoining section, Commercial Petroleum company has a rig ready for work.

The Producers' Guarantee on 31, Coalinga field, is at work with a new appliance.

The Crescent pumped 100 barrels on the head on No. 1 and they ran out of tankage.

The Twenty-eight Oil company is finishing No. 5 and will soon have it pumping.

The big storage tanks are all full and have no cars. The producers are waiting for a supply.

Coalinga will soon have gas works in operation. A gang of men are putting in the mains.

The Minnesota is 1125 feet in nine and five-eighths and still going. They expect to reach the sand at 1400 feet.

Karl Brown will start the New York on No. 3, located on the SE½ of the SE¼ of section 20, 19-15, Coalinga field.

One well has been put on the pump by the Aetna company, and it is expected that this will be a heavy producer.

Well No. 5 of the Oil City Petroleum company is in oil sand and near it the Independence is making good progress in its No. 6.

C. C. Spinks of the Caribou Oil Company's property, which he is superintending, reports that on Thursday night oil was struck in the Caribou well No. 3, the oil coming well up in the hole. Not long since Caribou No. 2 began producing about twenty-five barrels of oil per day, so the prospects of the Caribou property seem to be excellent.

HUMBOLDT.

A Mr. Smith from San Francisco has bonded one hundred acres of William Perrott's place near Loleta for the purpose of prospecting for oil. He has also leased the old Silva ranch on Table Bluff, and is looking over that vicinity with the intention of bonding or leasing anything he can get hold of.

Mr. Smith is satisfied with the indications of oil in this neighborhood, and will undoubtedly sink a well in the near future.

KERN.

The Standard is receiving oil in Kern River.

The O. K., section 26, 12-24, is down 360 feet.

The Universal will drill on 19, 28-28, Kern River.

Three rigs are reported to be going in on section 24, 29-28.

The Occidental is preparing to spud in on No. 2, section 2, 11-24.

The Tower Oil company has struck first sand on 9, 28-28, at 450 feet.

The Linda Vista has resumed drilling after a few days' shutdown for repairs.

A second rig is to be put in by the Producers on the southwest of 22, 32-23.

The Blinn well No. 2 is already proving a good well. It has 573 feet of oil sand.

The Arcola well at Sunset a day or two ago threw the oil thirty feet above the derrick.

Lumber for a rig has been moved upon the NE ¼ of 14, 29-28, belonging to W. A. Howell.

The Riconada, operating on land leased from Redlick & Lowell, on 6, 11-23, has begun spudding.

The Vesuvius, which has just reached the first oil sand, is producing about thirty barrels a day.

Chanslor & Canfield are preparing to develop the large holdings they have secured in the Midway.

The Lion company at Sunset is just now installing the Keystone rig especially adapted to deep drilling.

The Four company delivered 6,000 barrels to the Standard company's tanks on section 7 within three days.

Work is begun again on the Lone Star property. Work was discontinued a few days, because of the water rushing in.

The Navajo No. 2 has been perforated and is estimated at 50 to 75 barrels. No. 1 is producing 50 barrels with a 3-inch pump.

The Headlight company will begin operations at once on its holdings, 6, 11-23. This company was recently organized in San Francisco.

The Hart Crude Oil company has ordered a rig and other machinery and will begin operations in a very few days. Its property is on section 36, 28-27.

The strings of tools are now at work on the Kern River company's property at McKittrick and a force is engaged in laying the pipe line to the railroad.

The Modina company, which has been drilling on the northwest quarter of 3, 11-24, has struck the first oil sand. The C. B. & W. well, just east, is flowing steadily.

The Dabney company, which has been working for some time upon its property, has three wells coming in. One of the wells is practically completed, while the others are in the sand.

The Prosperity company has already drilled 750 feet on section 6, 28-28. It is working south of Poso creek, and this work will go far to prove the worth of the property in that section.

The A. G. Oil company has a 640-acre tract upon which they have recently erected four derricks. They expect in the near future to add to the machinery already put in. This company is situated in section 32, 23-24.

The Twenty-four Oil company has rig up on 24, 29-28, and this week sold 80 acres to J. G. Whitson through the PACIFIC OIL REPORTER. Mr. Whitson represents the Union Oil and Gas company and will have a rig at work within 60 days. The Kings County Oil company on 16, 29-29 have completed a fine water well and have started drilling with a heavy Standard rig. The River Extension company will soon be at work on 36, 29-28. Their stock is selling well.

KINGS.

Manager Lillis of the Esparanza in the Kreyenhagen field reports 150 feet deep in No. 1 on section 6.

Kreyenhagen No. 2, which was making ten barrels a day, after the recent earthquake began making tw nty-five barrels a day.

MONTEREY.

The well of the Salinas Oil & Development Company is down 300 feet. At 250 feet a strong flow of gas was encountered.

NAPA.

The Napa and Berryessa Valley Oil company has about completed negotiations with the Marsh Rig Building company for the installation of a Standard rig to be placed on its property, near Monticello, in the Berryessa valley Napa county. Preparations are being made to place the machinery on the land just as soon as roads will permit hauling over them.

ORANGE.

Eight new bits of varying sizes, from the big "spudding" bits to the little five-inch fellows, arrived at the machine shop on the Santa Fe lease recently. This looks like more development work.

Drilling on the Olinda company's well No. 4 is progressing rapidly at a depth of rather more than three hundred feet. Little work is being done on this company's third well just at present, though the boiler, engine and tools are still at the rig.

At last the bit in the Menges well in Brea canyon district has struck oil at a depth of 1,252 feet, Over twelve thousand dollars are said to have been put in this hole, and more months consumed in its drilling than weeks in the putting down of an ordinary well in this field.

The Fullerton Oil company has the fourth well finished and will put it on the pump. This portion of the field, at one time considered no good by the experts, is rapidly coming up with its two nearest neighbors, the Columbia on the east and the Santa Fe on the west, in point of development.

Continuous pumping has been kept up on Santa e well No. 22 since last Friday, but at this hour the water stands as deep in the hole as when it was put on the pump. This is a quite unexpected turn of affairs, as water in any quantity has never hindered drilling operations in this section of the field before.

A new eighteen horse power gas engine is being set up at the Graham-Loftus company's pumping station. Hitherto steam has been employed as a motive power on this lease but since the gas engine experiment has met with success on the Santa Fe lease several of the other companies are using the same power. The gas used to feed these engines comes direct from the wells.

SAN DIEGO

The Capistrano Oil Company's well has been abandoned on account of water at 1168 feet.

SANTA CLARA.

Hatcher & Potts are putting up a rig on the Whitehurst-Hodges Ranch in the Uvas Valley, seven miles west of Gilroy.

SAN BERNARDINO.

The Kramer Well, forty miles west of Barstow, is now down 410 feet and is working double tour.

SAN BENITO.

The Mulberry Oil company's rig will soon be in place.

The Dirigo Oil Company have commenced drilling with a Star rig. The drill has penetrated nearly 100 feet.

The Nonpareil Oil Company has bonded 800 acres of land in this district. This company also has some leased land.

The Crescent Oil Company of Fresno, now operating in Coalinga, have ordered lumber for a standard rig to drill on the Tully lands.

Nonpareil Rig No. 2 has been drilling ten days and good progress is made. This company also has a prospect rig on the Alvarez land.

In a line running from 32-18-10 to 25-19-10 eight test wells have been drilled and from five feet to twenty-five oil is now standing in these wells.

The Nevada Oil company will begin operations in a few days on the Captain Williams' ranch.

There was a report here Monday afternoon that the Fresno-San Benito Oil company had struck a fine oil seepage at 112 feet.

SAN LUIS OBISPO.

Beckett & Crothers announce their intention to begin drilling on their lands at Verde in the coming summer.

The Grover tract on Pismo Beach has been leased for oil and bonded to purchase by one of the big transportation companies. This company will begin drilling soon.

The Arroyo Grande Oil Company has shipped to a point about five miles east of Arroyo Grande a fine new $5000 rig. This company will begin work in the near future with two outfits.

Wood & Church of Pasadena recently purchased, through J. F. Beckett, 275 acres of oil land at Reed's Station and will put in a rig as soon as through trains begin to run on the Southern Pacific.

SHASTA.

At the Shasta Consolidated the 500-foot mark was passed Friday. Shale has been passed through and sandstone encountered. Salt water fills the casing to a depth of 300 feet, showing pressure. Oil seems likely of being encountered at

1000 or 1200 feet. If good fortune continues that depth can be attained before the first of the coming month.

SANTA CRUZ.

The Watsonville Oil Company struck another flow of oil last week, but the well is being drilled deeper in the hope that a heavier flow of oil will be tapped. The well is down about 1100 feet.

The Watsonville Oil Company is about to bore another well on the Sargent land near the Casserly tract, about a mile distant from well No. 1. This is to be a 16-inch bore, according to the recommendation of an oil expert. It is expected that a reservoir of oil will be tapped at a depth of less than a thousand feet.

The Santa Cruz Surf says that an offer of $350,000 was made for the property of the Watsonville Oil Company and was refused, and that the stockholders want a million or nothing for their property. A gentleman from Red Bluff wanted an option on the property for 90 days at $300,000; and if he took it he was to pay $50,000 at the end of 90 days, and the balance at stated times within a year. This offer was refused.

SANTA BARBARA.

The Juanita Company on the Daniels lease at Summerland is down 200 feet and in the sand.

The wharf of the North Star Oil Company at Summerland is out 350 feet Drilling will commence next week.

Work has recommenced on the Victor Hall well at Rincon. The well is down 450 feet and a string of 4¼ casing has been put in.

It is reported the big Wilson pumping plant at Summerland will be shut down permanently, the first of next month. The wells above the track will be pumped from the Eureka's gasoline plant.

Colonel Fred Harkness of San Francisco has completed a rig and is now installing machinery on the Harris ranch, near Harris station. The Crocker estate is extensively interested in this property.

Lawrence Harris has leased to the Graciosa Oil company of Los Angeles for the term of twenty years 7539 acres of land in the Los Alamos rancho. The company will immediately begin boring for oil on the property.

Oil was struck in No. 2 on the Santa Barbara company's new wharf at Summerland at 240 feet. The drill passed through twenty-one feet of fine live oil sand, and it promises to be a good producer. The sand was 100 feet nearer the surface in the second well than it was in the first.

Work will be resumed in the Loon point oil wharf at Summerland, owned by Webber, Churchill & Nott. The casing in the old well, which was put down 550 feet, will be pulled and the well will be started with an eleven and five-eighths inch conductor and nine and five-eighths inch casing will be used. It is the intention to drill at least 1000 feet.

TULARE.

Theodore Bacigalupi still intends to bore for oil on his lake ranch in the near future. He gets a good deal of gas from the well he has and thinks that if he were to go deeper he would strike oil. Water is pretty good if he strikes that and he is sure to.—Register

FROM MENDOCINO

Col. L. P. Crane, President of the California Petroleum Miner's Association paid a flying visit to Ukiah, Mendocino county a few days since, to look over some oil indications in that vicinity and returned well pleased with his trip and the outlook for future oil developments there.

The Grand Pacific.

The Grand Pacific is down 425 feet, and has pushed the eleven and five-eighths casing 400 feet. At 250 feet struck twelve feet of oil sand, then went through shale, blue clay, cement, and are now back to shale, oil seeps being abundant, and drilling on without accidents.

Bay City Strike.

The Bay City, section 32, 32-23, Midway district, has been put on the pump and is going 200 barrels. It flows when not pumping. A landing was made at 643 feet in soft talc and the casing was plugged before perforating. There will be twelve more rigs in this neighborhood within three months.

To Investors.

Oil investors will find it to their advantage to call at Nos 405 Examiner building.

Sub-lease of Property.

The California & Utah Oil company has made a sub-lease of some of the lands to an Eastern company, and will deliver the papers in a few days. The company has now abundant funds in the treasury to begin developing their valuable oil properties in McKittrick, Kern River, etc., and on the first of May two Standard rigs will be working on section 10, township 30 south, range 21 east. The Santa Cruz property also will receive immediate attention.

Oil companies can have their prospectuses printed at this office cheaply and well.

Notice.

TO THE STOCKHOLDERS OF THE TEMPLORE OIL COMPANY, A CORPORATION.

There will be a special meeting of the stockholders of the Templore Oil Company, held at the office of said company, at room 115 Phelan Building, San Francisco, at 8 o'clock A. M. on the 15th day of April, 1901.

This meeting is called for the purpose of increasing the capital stock of the said company from $200,000 to $500,000. By order of the Board of Directors.

J S GRAHAM, President.
F M PERSINGER, Secretary.

Notice of Assessment.

Loma Prieta Prune Ranch company. Location of principal place of business, San Francisco, California. Location of ranch, Monterey county, California.

Notice is hereby given that at the meeting of the board of directors held on the 25th day of February, 1901, an assessment of ten ($10) dollars per share was levied upon the capital stock of the corporation, payable immediately in United States gold coin at the office of Madison & Burke, 636 Market street, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 25th day of March, 1901, will be delinquent and advertised for sale at public auction and unless payment is made before, will be sold on Monday the 22nd day of April, 1901, to pay the delinquent assessment together with the cost of advertising and expenses of sale.

By order of the board of directors.

FRANK MORTON, Secretary.

PROVEN OIL LANDS

—FOR SALE—

In Kern River and McKittrick Districts.

Producing Oil Lands, with from 1 to 4 or more wells producing.

Controlling interests in Oil Companies with good production for sale.

PROVEN OIL LANDS TO LEASE ON ROYALTY.

Call on or address:

A. G. DEARDORFF,
413-414 Parrott Bldg.

OIL COMBINATION

Struck Oil

This list will positively be withdrawn March 23d.

San Ardo Consolidated...Monterey county
Nonpareil Consolidated..San Benito county
Ila of McKittrick.....Kern county
Shale.....Kern county
River Extension.....Kern county

The personnel of all these companies is represented by men of experience and capital.

The combined capital is $2,050,000.

Two complete standard rigs are at work and at present in oil. It goes without saying that oil will be struck by one or all of these companies. One well is now down over 1200 feet, and another over 1000.

A strike of oil will make you independent. You then cannot fail in this combination.

$27.50

Invested in this combination makes you the owner of ten shares of the capital stock in each company—fifty shares in all.

One or all are sure to strike oil. Orders must be accompanied by check or P. O. order, and addressed to

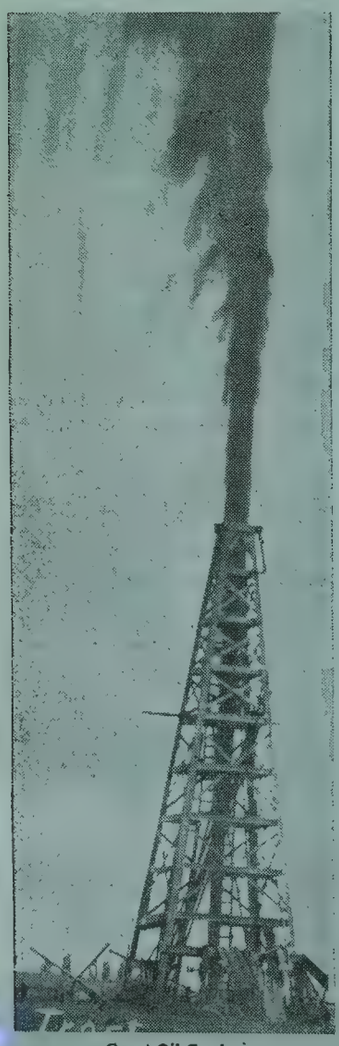
MACPHERSON & CO.

Room 501 Hearst Building,
Cor. Third and Market Sts.
San Francisco, Cal.

ONLY TEN DAYS MORE

PHONE, BUSH 240.

References: Bank of California, Crocker Woolworth Bank, Union Trust Co. of San Francisco.



Great Oil Gusher.

The Esmeralda Oil and Development Company : :

CAPITAL STOCK 100,000 SHARES
PRICE PER SHARE - - - $1.00

We own 404 acres of the Choicest Oil Lands in the

Vallecitos District, San Benito County

We are now boring and rapid progress is being made. As our test well struck oil at 32 feet it assures our future.

FREE FROM DEBT AMPLE FUNDS

No Salaries paid to officers. Treasury funds to be used for development purposes only. Limited number of shares to be sold. Stockholders are fully guaranteed against loss.

H. S. Field, President. R. R. Haskell, Treasurer.
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DIRECTORS:

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DEY CRUDE OIL CO.

Rooms 6 and 7, 8th floor Mills Bldg., San Francisco.

(Continued from page 3)

LOW PRICES FOR OIL.

contain, that is to say, the price of oil will depend upon its heat producing qualities and upon its adaptability for various uses.

As soon as the Standard oil gets ready to do business on a large scale it will adopt a policy which will, in a large measure, put an end to the present foolish competition which is ruining California oil industry.

The rumor that the decline in oil stocks was due to the unwillingness of the Southern Pacific company to furnish oil cars is absolutely untrue.

The railroad company has now over 500 oil tank cars in use and is making strenuous efforts to increase that number, not only by manufacturing new cars, but by obtaining them from the East. The company has been somewhat handicapped by the inability of several large consumers to unload the cars when delivered. The company has made a rule of late allowing forty-eight hours for the unloading of cars, and has placed a penalty of $2 a day on any company which does not unload its cars within the forty-eight hour limit. The company is now turning out two classes of oil tank cars, one having a capacity of 6525 gallons and the other of 13,000 gallons, and has nearly 100 men employed in their Sacramento shops engaged in their manufacture. The published rumor that the Southern Pacific company has 150 oil tank cars tied up at Los Angeles is absolutely untrue.

Manager Wendling's View.

The view of the situation regarding oil prices expressed to the PACIFIC OIL REPORTER by Mr. George X. Wendling, manager of the Producers' Oil Storage & Transportation company, will commend itself to the favor of all oil men who have an intelligent comprehension of the present and future of the industry.

"I look on the present low price of oil as a blessing in disguise," he optimistically and confidently declared. "It is using the surgeon's knife on the industry for its benefit. The present conditions will vastly stimulate consumption and put oil into every industrial nook and corner where it is an economic possibility to displace coal and wood with it. A great number of plants are now being equipped for oil burning and the cheapness of oil is forcing attention to the practicability and economy of petroleum fuel everywhere, not only in San Francisco and about the bay but in remoter parts of the state.

"The industry is naturally in a chaotic condition due to the early stage of its new development but in a little time it will be on a stable basis. Many new consuming plants are yet imperfect; storage and transportation facilities are inadequate and the industry is not organized. All this is steadily and rapidly being corrected. Many producers are now offering oil anywhere in carload lots and in the absence of organization this rush and competition has brought prices down. Too many companies are now organized for marketing stocks and not oil and oil lands and this naturally results in a general fall in oil stocks.

"But there is no doubt that with the increase in consumption and the organization of the industry that will develop, the supply will be short and there will be a reaction that will establish normal prices for oil and for the stocks and lands of reputable companies. Kern river oil has recently sold at 80 cents or less in San Francisco but prices constantly vary.

"The Producers' Oil Storage and Transportation Company has not been able to control the situation because of a lack of the requisite membership but it is doing the best it can for its members and seeking to build up a commercial institution that will be of vast benefit to the industry."

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Beyond question of doubt, an immense amount of stock will be sold under this plan.

For further information address, PACIFIC COAST UNDERWRITING COMPANY, 507–508–509 Parrott building, San Francisco.

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AND QUITE AS SECURE

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YOUR MONEY BACK After ninety days if you want it. This gives you absolute protection and guaranteed security from loss. Our experts in the field are always at the service of our investors.

$25 TO $5000 received for investment and a settlement every month. The methods adopted by the company have stood the test of time and we are indorsed and heartily advocated by the most reliable business men, financial institutions and newspapers throughout the country.

Investors will do well to investigate the opportunities presented by this company before buying oil stock or placing their money.

Standard Oil Promotion and Investment Co.

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PAUL R. LEWIS, Manager and U. S. Government Licensed Broker.

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A Word to the Wise is Sufficient. Be Wise

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, March 20:

ÆTNA.

300 at	25		75 00
800 at	20		160 00

AZTEC.

300 at	1 50		450 00

BEAR FLAG.

100 at	13		13 00
1700 at	10		170 00
3700 at	14		518 00

BLACK JACK.

100 at	1 00		100 00

CALIFORNIA STANDARD.

2000(S30)at	51		1020 00
1000(S30) at	52		520 00
1500(B30) at	52		780 00
500 at	47		235 00
3000 at	50		1500 00
1200 at	52		624 00
2100 at	51		1067 00
2700 at	49		1323 00
3300 at	48		1584 00

CARIBOU.

200 at	55		110 00
600 at	50		750 00

EL DORADO.

500 at	1 60		800 00

FOUR OIL CO

350 at	59		206 50
500 at	57		285 00
1950 at	58		1131 00
1600 at	56		896 00
200 (B 30) at	57		114 00

HOME.

300 at	3 90		1170 00
320 at	3 95		1264 00
965 at	4 00		3860 00

HANFORD-FRESNO-KERN RIVER.

500 at	15		75 00
250 at	14		35 00
850 at	16		136 00
500 at	17		85 00
1000 at	18		180 00

HANFORD.

1 at	96 00		96 00
1 at	91 00		91 00
3 at	82 00		246 00
1 at	84 00		84 00
2 at	85 00		170 00
3 at	87 50		262 50
5 (B30)at	90 00		450 00
6 at	95 00		570 00
8 at	94 00		752 00
4 at	90 00		360 00
8 at	88 00		704 00
2 at	96 00		192 00
8 at	100 00		800 00
3 (B10)at	100 00		300 00
4 at	98 00		392 00
5 at	99 00		495 00

INDEPENDENCE.

100 at	19		19 00
2000 at	20		400 00
500 at	18		90 00

JUNCTION.

200 at	59		118 00
300 at	58		174 00
700 at	60		420 00
1000 at	64		640 00
1130 at	57		644 10
400 at	62		248 00
200 at	63		126 00

KERN.

50(S 90) at	7 00		350 00
20 at	7 50		150 00
50 at	7 62½		381 25
60 at	8 00		480 00
150 at	7 00		1050 00
100 at	7 75		775 00
300 at	8 25		2475 00
50(Cash)at	8 25		412 50
50(B 10) at	8 25		412 50
50 at	8 50		425 00

LION.

50 at	21		10 50
400 at	20		80 00
2100 at	18		378 00
39 at	17		663 50
3800 at	19		722 00

MONARCH OF ARIZONA.

300 at	53		159 00
600 (B60) at	54		324 00
600 at	55		330 00
200 (B60) at	55		110 00
400 at	52		208 00
500 (S 90) at	49		245 00
1350 at	49		661 50
800 at	50		400 00
350 at	48		168 00
600 at	45		270 00
200 at	46		92 00
500 at	47		435 00
400 at	56		224 00
100 at	57		57 00
200 at	59		118 00

MONTE CRISTO.

250 at	2 25		572 50
900 at	2 20		1980 00
500(S60)at	2 15		1075 00
200 at	2 45		490 00

OIL CITY PET.

3000 at	24		720 00
1000 at	26		260 00
17100 at	24		4404 00
500 at	30		150 00
800 at	29		232 00

OCCIDENTAL OF W. VA.

1425 at	46		655 50
1775 at	47		754 25
2000(S30)at	44		880 00
100(Cash)at	47		47 00
100 at	48		48 00
200 at	55		110 00
50 at	56		28 00

PETROLEUM CENTER.

2200 at	12		264 00
1840 at	11		203 40
1500 (B 30) at	13		195 00
45 at	10		4 50
8500 at	13		1105 00
8160 at	14		1142 40
11000 at	15		1650 00

PEERLESS.

20 at	7 75		155 00
20 at	7 50		150 00
10 at	8 12½		81 25
197 at	8 00		1576 00
18 at	8 25		148 50
40 at	8 50		340 00

REED CRUDE.

658 at	55		361 90
300 at	53		159 00
300 at	52		156 00
300 at	51		153 00
800 at	50		400 00
500 at	48		240 00
50 at	56		28 00
100 at	57		57 00
1600 at	58		928 00
500 at	59		295 00
500 (B 30) at	60		3 0 00
1912 at	60		1147 20

SUPERIOR

900 at	24		216 00
900 at	25		225 00
200 at	28		56 00
300 at	30		90 00

SHAMROCK.

700 at	50		350 00

SAN JOAQUIN.

215 at	10 50		2257 50
50 at	10 00		500 00
20 at	9 75		195 00
400 at	9 00		3600 00
10 at	8 87½		88 75
100(S 90)at	8 62½		86 25
100(B 90) at	9 00		900 00
150 at	11 50		1725 00
50 at	11 75		587 50
50 at	11 87½		59 37½
300 at	12 00		3600 00
150 at	12 12½		1818 75
50(S90) at	11 75		587 50

STERLING.

450 at	2 40		1080 00
300 at	2 30		690 00
300(B 60)at	2 40		720 00
435 at	2 25		978 75
200 at	2 00		400 00
395 at	1 80		711 50
870 at	1 90		1653 00
700 at	1 85		1295 00
165 at	1 95		321 75
250(B30)at	1 95		487 50
100(B 60)at	2 00		200 00
100 at	1 92½		192 01
100 at	2 15		215 00
50 at	2 20		110 00
100(B 30)at	2 30		230 00
100(B30)at	2 35		235 00
200 at	2 35		470 00
100 (Cash)	2 35		235 00
300(B30)at	2 45		735 00
300 at	2 45		695 00
450 at	2 50		1125 00
50(B30) at	2 50		125 00

SENATOR.

100 at	1 50		150 00

SUNSET (ORIGINAL)

100 at	36		36 00

McKITTRICK

100 at	40		40 00

TWENTY-EIGHT

600(B30)at	1 30		780 00
300 at	1 25		375 00
200 at	1 30		260 00
550 at	1 32½		738 75
2764 at	1 35		3726 40
700 at	1 40		980 00
200 at	1 42½		285 00
200 at	2 45		490 00
100 at	1 60		160 00
100 at	1 50		150 00
500 at	1 62½		812 50
100 at	1 65		165 00

WEST SHORE.

30 at	3 25		97 50
200 at	3 00		600 00

WOLVERINE.

300 at	1 25		375 00
700 at	1 20		840 00
500(S30)at	1 05		525 00
500 at	1 10		550 00
400 at	1 30		520 00

Shares 209,322 Amount $108,728.52½

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Alma Land & Oil company. Principal place of business, San Francisco Directors J Landes, C M Fish, A W Havers F Fredericks and F Boegle Capital stock, $250,000, subscribed $46,000

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Hickler Oil company Principal place of business, Pasadena Directors J Hickler W I Hollingsworth, R H Pinney, C H Craig and G Mallory. Capital stock. $200,000 subscribed, $132,000.

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Kern Petroleum company. Principal place of business, Bakersfield. Directors: J C Stein, G H Taylor, A Matherson, F D McClure, T E Davis, C Haberfelt and E L Reaber. Capital stock, $1,000,000; subscribed, $700.

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Shasta Coal, Oil & Land company, Principal place of business, San Francisco. Directors: F H Dakin, F H Dakin Jr., C C Dakin, W Dakin and E M Wilson. Capital stock, $400,000; subscribed, $260,015.

Rochester Oil company. Principal place of business, Suisun. Directors: G C Trainer, J A Keys, T H Wood, T L Robinson, J R Chadbourne, E P Hilborn, G A Lamont, J T Sullivan, W F Bryant, E Sparks and A C Miller. Capital stock, $50,000; subscribed, $30,000.

Oil by Counties.

According to a recent official report the oil output for 1899 appears by counties as follows:

COLUSA.—Prospect wells are being drilled.

CONTRA COSTA. Much interest in oil yielding formations.

FRESNO.—Petroleum forms the most important mineral industry of this county. In September, 1900, there were eight companies producing oil in this county, and many prospect wells are being drilled. The value of the petroleum produced during the three years ending December, 1899, was $664,212.

HUMBOLDT.—During 1900, six companies have prospected for petroleum and some oil has been struck.

KERN.—The mineral deposits of the sedimentary rocks are those of petroleum which have been discovered in the Tertiary rocks forming the foothills on both sides of the San Joaquin Valley. These discoveries may be said to be the most important events in the mining history of California for the years 1899-1900.

KINGS.—In the western borders of the county oil-yielding formations are exposed through extensive areas and several prospect wells have been drilled.

LOS ANGELES.—The petroleum output for the three years ending December, 1899, was $4,199,238. During the past three years the oil fields of this county have yielded more than half the petroleum output of California.

MARIN.—There has been prospecting for petroleum.

MENDOCINO.—There has been some prospecting near Point Arena.

MONTEREY.—In 1900 there was considerable prospecting for petroleum.

ORANGE.—The petroleum output for three years ending December, 1899, was $180,077. In May, 1900, eight companies were producing oil in this county.

SAN BENITO.—More than twenty companies were prospecting for petroleum with satisfactory results.

SAN MATEO.—In 1898-99, prospect wells were drilled for oil in San Mateo county, and produced small quantities of light oil.

SAN LUIS OBISPO.—In 1900 several companies were drilling for oil, but no remunerative wells had been obtained.

SANTA BARBARA.—For three years ending December, 1899, the asphaltum output was $790,560, and the oil output, $433,978.

SANTA CLARA.—The oil fields of Santa Clara are situated near its western border.

SANTA CRUZ. There has been some prospecting for oil in the northeastern part of the county.

VENTURA.—The petroleum output for three years ending December, 1899, was $1,435,482. In June, 1900, there were 206 productive wells in Ventura county, and many prospect wells.

Oil companies should have their job printing done at this office. We print prospectuses, etc.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

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1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lie within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from indubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours

M. M. OGDEN

Field Expert Producers' Oil Exchange, San Francisco, Cal.

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Well No. 1, on section 14, 28 27, Kern River district has passed through rich oil sand and will soon be finishedwith the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

STOCK UNDERWRITTEN

OFFICE

Pacific Coast Underwriting Company

504 PAPROTT BUILDINC

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

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2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

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W. B. BURROWS, Sec'y

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Incorporated December 13, 1900, under laws of Arizona.

STOCK NON-ASSESSABLE

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The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

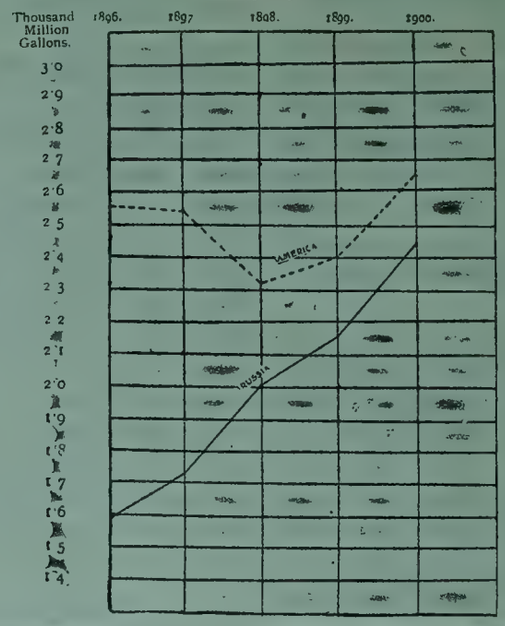
The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

ANNUAL OUTPUT

The Petroleum Review's Table of American and Russian Oil—1896-1900.



Oil Stocks in Los Angeles.

The market for oil securities on the Los Angeles Stock Board during the past week. While it has not been a record breaker has shown some signs of activity and closed strong Saturday, March 16th with a lively demand for the better class of stocks.

The local market for crude oil already shows signs of improvements which is naturally reflected in the stock market. There have been some fluctuations in prices incident to all stock trading but nothing of a sensational nature has occured and the general average of prices has remained about stationary.

Reed Crude has moved between the extremes of 54c and 58½c Many thousands of shares have changed hands, Saturday last seeing the most active day's trading of any during the week. The closing sales at that time were made at 57½c. Westlake has made slight recovery over the prevailing price of a week ago and is now selling at 18 and 19 cents. Uncle Sam remains at 9 and 9¾ cents. Very little was done in Fullerton Consolidated, what little there was being at or slightly above the 50c mark. One hundred and eighteen dollars appears to be the highest point attainable for United Petroleum, Home of Fresno brings out a bid of $3 95 with none offered. The figures on Continental have been 97c bid with $1.00 asked with few sales recorded. Globe has fallen off a bit, the last sales being made at 28½c. Central remains firm at $1.20. The movement in Pacific Slope continues brisk at figures ranging between 6¾ to 7¼ cents. Other stocks have shown a very narrow range of fluctuation. The market has been steady and the demand for good securities rather on the increase than otherwise.

At the last meeting of the directors of the exchange a special committee was appointed to take charge of the listing of mining properties and it is expected that henceforth there will be more active business in this line of securities.

Oil companies should patronize an oil paper when they have job work to be done. We print prospectuses, and everything that oil men need.

RUSSIAN SPOUTERS.

The following report of gushers in the Russian fields for the month of December is reported by the Petroleum Review. (A pood equals 36 lbs. Divide poods by 8 to find number of barrels).

Firm.	Field.	Depth. Feet.	Diam.	Production. Poods.
Caspian Society, Saboontchi		1,512	11 in.	621,000
Nagieff M., Saboontchi		1,533	16 in.	400,000
Baku Russian Petroleum Co., Bebe-Aibat		1,834	10 in.	654,000
Mantacheff & Co Bebe-Aibat		1,827	9½ in.	380,000
Mantacheff & Co., Bebe-Aibat		1,554	10 in.	120,000
Schibaieff & Co., Bebe-Aibat		1,834	8 in.	475,000
Total				2,650,000

To Oil Producers.

Bids will be received by the Pacific Coast Oil company at its office, No. 421 Market street, San Francisco, Cal., until 2 P. M. of March 30th, for the delivery to its Kern River pipe line of 25,000 barrels of crude oil; said delivery to be made into the pipe lines of the Pacific Coast Oil company, and to be completed on or before the first day of May, 1901.

Bidders to whose tanks the pipe lines of the company are not now connected, are not excluded from submitting proposals. If the company desires to accept such proposal it will use its best efforts to extend its lines to the tanks from which delivery is proposed.

Bidders may propose for the whole or any part of the amount named above, but not less than 1000 barrels, and should state whether a part of the bid may be accepted by the Pacific Coast Oil company.

The company reserves the right to reject or accept any or all bids submitted.

H. C. BREEDEN,
Treasurer.

Before buying Oil Stock or leasing or buying Oil Lands call on BARIEAU & PERSINGER, Room 115 Phelan Building, San Francisco.

GREAT LAKE OF ASPHALT.

Deposit in Venezuela Largest and Purest in the World.

The settlement of Guanoco, the headquarters of the New York & Bermudez Company and the seat of the asphalt war, in Venezuela, is a little over 100 miles to the westward of Port of Spain, on the island of Trinidad, and lies on the west bank of a small creek emptying into the River San Juan, which has a depth varying from 30 to 45 feet., with steep banks at which a vessel may lie in perfect safety.

The river flows through an almost impassable mangrove swamp, without a rock or stone to be seen anywhere along it banks. A few miles from the bar the Colorado empies into the San Juan. This leads up to Maturin, the capital of the district. After passing the mouth of the Colorado, next comes the Francis. Continuing a few miles up the San Juan River and on the northerly side, is a small, narrow, but deep creek named Guanoco, at the mouth of which is a custom house erected especially to watch the New York & Bermudez Company's shipping operations. Some two miles from the mouth of this creek, on the westerly bank, is a modern pile wharf about 350 feet long. This marks the shipping point of the New York & Bermudez Company.

Near the wharf are a blacksmith and machine shop, a car shed, and some minor sheds Next comes a foreman's cottage, then three or four native structures, then the company's headquarters and store, built of concrete with 12 inch walls, and intended as a fortress in case of an invasion. A few hundred yards further north is a wooden structure used to house the artisans employed on the place. The administrative building has a few unimportant outbuildings, and these make up the town of Guanoco.

A narrow guage railroad, with 22-lb. rails, connects the settlement of Guanoco with the asphalt lake, 6 miles north, crossing the creek twice on pile bridges. This railway, dignified by the name of the Guanoco & La Brea Railway, passes through a virgin forest which has grown up on the top of an unfathomable morass or swamp, and is constantly being reballasted to keep the rails in sight above the mud. Arriving at the lake, there are a few native huts and the ordinary plant for asphalt mining. The lake stretches cut for a distance of about five miles, and three miles in width; but is divided by a narrow ridge of dry land with a few stunted trees on it. North and east of this marked natural division lies the mines known as La Felicidad and owned by the Warner-Quinlan syndicate. Its outlet to a shipping port is the town and port of Guaryriquien, about six miles to the northward and eastward, and through the Guaryriquien Creek, some nine miles in length, vessels pass out into the Gulf of Paris through the Dragon's Mouth and into the Caribbean Sea. The port will be reached by, a narrow-gauge railway, and at the terminus a substantial wharf and storehouses will be erected.

The mine known as La Venezuela is owned by native Venezuelans and lies to the northward of the Bermudez Mine, and to the westward of La Felicidad, and covers about 200 acres. As yet no plans for its development have been made, its owners awaiting the results of the controversy now going on between the owners of Bermudez and La Felicidad Mines.

The asphalt from the lake, it is claimed, is very nearly pure, cargoes having been shipped to New York which contained only from two to four per cent of impurities. The refining of this class of asphalt is simply heating it until the water is evaporated, for there is no scum, dirt nor foreign matter in it. The supply is practically inexhaustible. At certain seasons of the year this vast deposit is covered with a tall grass often six feet or eight feet high, and when it takes fire, as it often does, owing to the Indians being careless with their camp fires, the grass will burn for days at a time, and when burned over leaves no mark save crusting the asphalt for perhaps an inch in thickness.

Very few white men have ever visited this asphalt district. It is not a region which anyone would be likely to visit unless drawn there by business, and the parties interested have always kept matters as quiet as possible, discouraging any attempts of travelers or others to explore the region.

Although located in a swamp and only some four or five feet above sea level, it has proved to have been a healthy locality. The sick list seldom exceeds four per cent, and comprises for the most part mild intermittent fevers, easily cared for with mild cathartics and quinine. The natives are quick to learn and are good, faithful workers. They are not inclined to be quarrelsome, and with a kindly disposed superintendent no trouble is ever experienced in working them in large gangs.

The average Venezuelan will dig and load into a dump car two and a half to three tons of asphalt in an eight hour working day as a task, and it is on record that some of the more hardy ones have loaded as much as eight tons in ten hours. They receive fifty cents per day for their labor and one ration averaging in cost from sixteen to nineteen cents per day. They are fond of new rum, but it is very rarely that they drink to excess. The laborers at the Bermudez plant usually are one-half native Venezuelans, the other half being West Indian negroes, with a sprinkling occasionally of coolies from Trinidad, who have completed their seven years' labor contracts and do not care to return to the East Indies. There are rarely ever more than five or six American citizens at one time on the company's premises, all of them being superior officers charged with administrative affairs. A few scattering Indians now and then camp about the lake, but they seem adverse to coming in contact with their more civilized brethren.

The New York Times is authority for the statement that at present the New York & Bermudez Company has two chartered steamers under foreign flags to bring up asphalt to their refinery at South Amboy. It is expected that the owners of La Felicidad will soon begin work to establish their plant, which involves the construction of a wharf at Guaryriquien and a railway some six miles in length to their asphalt deposits, so that before the end of the year the shipments from this locality will be greater than ever recorded.

The asphalt deposit in dispute is known as Lake La Felicidad, which is held by the Warner-Quinlan company, of Syracuse, N. Y. The title to the property was acquired in accordance with the laws of Venezuela. The asphalt combine, of which the New York and Bermudez company is the strongest concern, has sought to add Lake La Felicidad to its other large holdings, and has had surveys by which that result would be accomplished if it could have its own way. But the Venezuelan government has refused to repudiate the title to the Warner-Quinlan company, which it had sanctioned and confirmed in the due process of its laws. In acquiring asphalt concessions in Venezuela those who have acquired them have waived recourse to any international tribunals and in their disputes must abide by Venezuela's laws and courts. In justice, therefore, the United States government can have nothing to do with the dispute. In speaking of the case, Captain Osborn, formerly employed as superintendent of the New York and Bermudez company, is quoted as saying: "Up to this time the news of the troubles between the rival asphalt interests in Venezuela has been so far from the real truth as to provoke much mirth and some indignation among those who are familiar with the locality in dispute, and the yarns cabled from Caracas have in many instances been so at variance with the truth that perhaps it is time that a plain, unvarnished tale be presented to the people of the United States.

"Without going into minute details of the early history of what is known in Venezuela as the Hamilton concession, which was subsequently acquired by Secretary Carner, of the New York and Bermudez company, of New York city, I may say that the early alleged survey of the territory claimed by that company was such a one as no Federal land office would approve or sanction. Mr. Carner then attempts to take possession of everything in Venezuela. With an office located in Port of Spain on the Island of Trinidad, and a two-foot thick walled fortress at Guanoco, which he wished named 'Carnerville,' he has reigned supreme for about twelve years. The title to La Felicidad has been obtained in conformity with the land laws of the republic of Venezuela. Under the concession granted to the Bermudez company a few years ago by the Venezuelan government, that company cannot legally call upon the United States government to aid them in a quarrel between other American citizens who have property rights on the soil of Venezuela, and the talk of Hartford, Buffalo and Scorpion landing marines at La Guayra to march 300 miles over to the asphalt lake, is as ridiculous as it is absurd and impossible. The number of Americans at La Felicidad at present does not exceed five or six. Venezuela has no troops in that locality, and there is no danger of an insurrection or of a revolution. The Venezuelan government is correct in its position on this asphalt dispute."

MAP OF VENEZUELA ASPHALT REGION.

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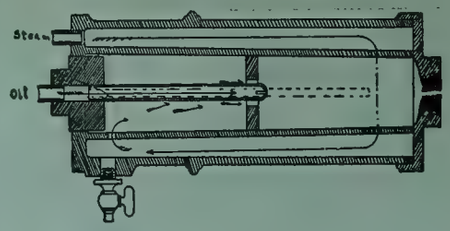

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Capital $500,000 shares,—$1 each.

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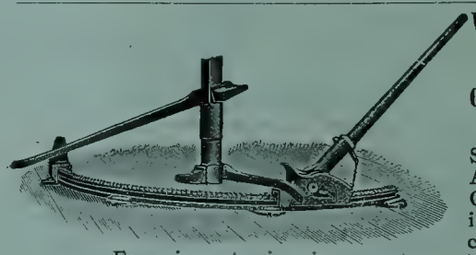

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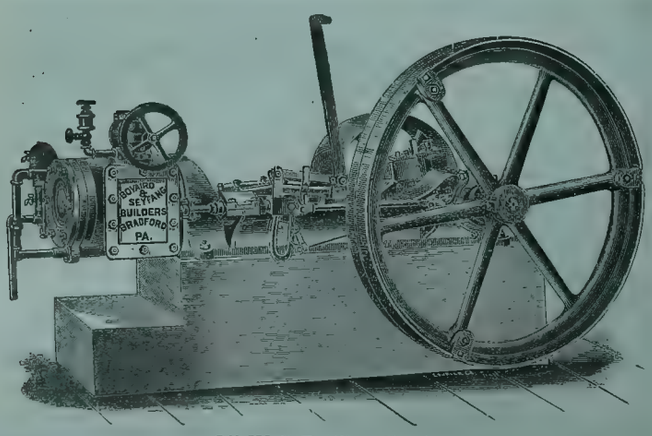

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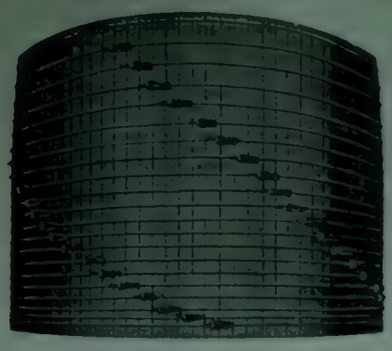

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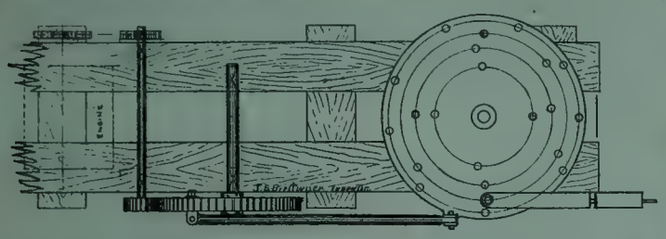

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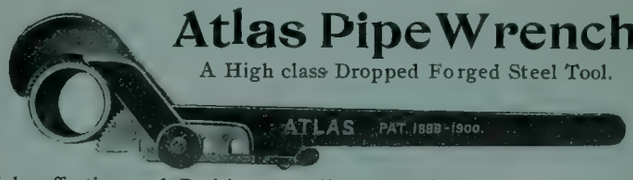

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ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 436 Parrott building San Francisco. Telephone, South 795. Agents wanted.

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Capital.....$500,000
200,000 shares at $2.50.
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Office: 807 Claus Spreckels building, San Francsco, Cal.

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Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
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Office—Room 40, Nevada Block, San Francisco.

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GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOLDEN REWARD OIL & DEV. CO
Capital.....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice president, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street. San Francisco, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office, Room 435, Parrott Building, S. F.

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; C T Henderson. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. 500,000 shares being sold at five cents per share; 2 wells drilling, 5 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53. Thurlow block, 126 Kearny st.
Chicago office— Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Letts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MULBERRY OIL COMPANY.
Incorporated March 5, 1901, under the laws of the Territory of Arizona. Stock non-assessable. Capitalization $500,000 divided into 100,000 shares par value $5 each. This company owns 260 acres on the San Benito River in the San Benito district. Oil found in this district is of the best paraffine base. Officers —Edward Bowman, President; Richard Keller, 1st Vice-president; B. Struven, 2nd Vice-president; S. M. Snyder, Secretary and Treasurer; H. G. Davis, Attorney. Directors—Edward Bowman, Richard Keller, B. Struven, S. M. Snyder, H. G. Davis, C. M. Depew, M. B. Ryer. Offices—927 Market St., rooms 218, 219.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OHIO OIL COMPANY OF SAN FRANCISCO
Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert. A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

PCINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000. Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer; I W Taber, President Taber Photo Co. Secretary Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

SAN JOSE PETROLEUM CO. OF PANOCHE.
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Cockling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary, D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy, secretary; D G Overall, superintendent, Paul V Finch, Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL CO.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone— Main 671

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office—552 Parrott building, San Francisco, Cal

Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capitalization. Economical management.

Write or call for a prospectus map, etc.,

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SPRING OIL COMPANY

Stock being sold by us at

25c PER SHARE

Before investing in oil.

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Hollister Crude Oil Co.

Has 100 Acres 4 miles south of Hollister, where companies are now drilling, and more rigs are being completed.

Our derrick and bunk houses are finished and water pipe laid.

Capitalized for 500,000 shares at $1.00 each.

200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

For prospectuses or information apply to agents or to

C. J. TALLON,

Room 16. **308 Market St.**

OIL LANDS.

1,000 acres, title United States Patent, Devil's Den District; $27,500; 320 acres. San Benito county, near Wells, only $15 acre; 40 acres, Kern River District, $32,000; 320 acres, McKittrick District, $27.50 acre; snap in Sunset. E. B. HUNSAKER, 6 Eddy street, San Francisco.

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Office, Room 4, tenth floor Mills Building, San Francisco.
Builders and Contractors for

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SUNSET CONSOLIDATED, 15c per share.

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In amounts from 100 to 1,000 shares.

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Quick and accurate returns at moderate prices.

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Original owner of Oil Lands in

KERN
MONTEREY and
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Counties.

Forty to one hundred acres of free and given for development.

Address 479-480 Parrott Building
Telephone, South 757.
San Francisco.

Oil Lands Experted

The Road to Wealth

Headquarters School and Government Lands.

Lands all counties in California No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick, Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

WISEMAN'S LAND BUREAU

237 W 1st street
Los Angeles, California

400,000 Shares of Oil Stock

NON-ASSESSABLE STOCK

California & Utah Oil Company

Incorporated under the laws of the State of South Dakota. Capital $1,500,000; par value $1.00 per share.

CALIFORNIA OFFICE **ADAMS BULDING, 206 KEARNY ST.**

ROOMS 413 AND 414, SAN FRANCISCO, CAL. TELEPHONE MAIN 846.

E. V. BUCKOW, President. R. D. HEALEY, Vice-President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository

——— The lands are located as follows: ———

Great McKittrick	320 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	240 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

Drilling on Section 10, Township 30 S, Range 21 E, McKittrick District, to be commenced early in March. This property is adjacent to the largest producers in the State.

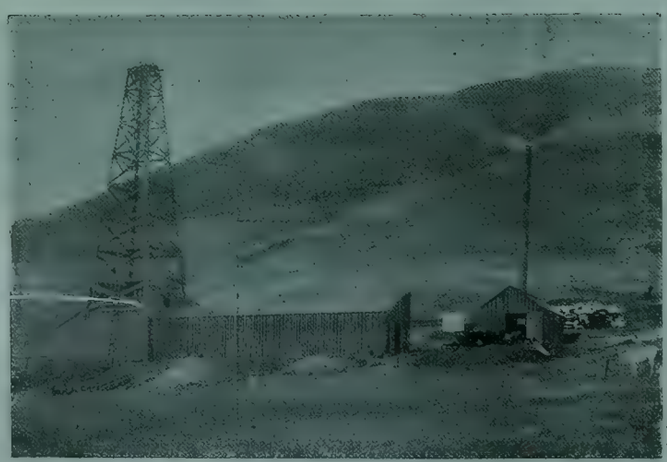
We are negotiating for other approved Oil Lands, the leases of which are on file, with option clause to purchase.

The first block of stock is now exhausted.
The second block of stock to the amount of 100,000 shares is now selling at 50 cents per share.
The third block of stock to the amount of 100,000 shares will soon be on sale at $1 per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

GRAND PACIFIC OIL STOCK



Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non - Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages:

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts, as follows: Sunset and McKittrick District, Kern County; Coalinga District, Fresno County; Kettleman District, Kings County, and Contra Costa County.

SECOND—Stock is absolutely Non-Assessable.

THIRD—Large Capitalization by which successful development in absolutely assured.

12,000 Shares Sold in One Day.

One hundred thousand shares sold in less than three months. Second 100,000 shares now selling rapidly at $1.00 per share; when sold 3rd 100,000 shares will be placed on the market at $2.50 per share

The officers of the company are all well-known business and professional men. A. G. Deardorff, President; J. M. Merrell, Vice-President; John Choice, Secretary; Wells-Fargo Bank, Depository; F. A. Berlin, Attorney; Franklin Person, Superintendent Agencies. Directors: J. M. Merrell, E. H. Baxter, J. A. Miller, John Choice, J. C. Sala, F. A. Berlin, R. L. Rigdon, A. G. Deardorff.

Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

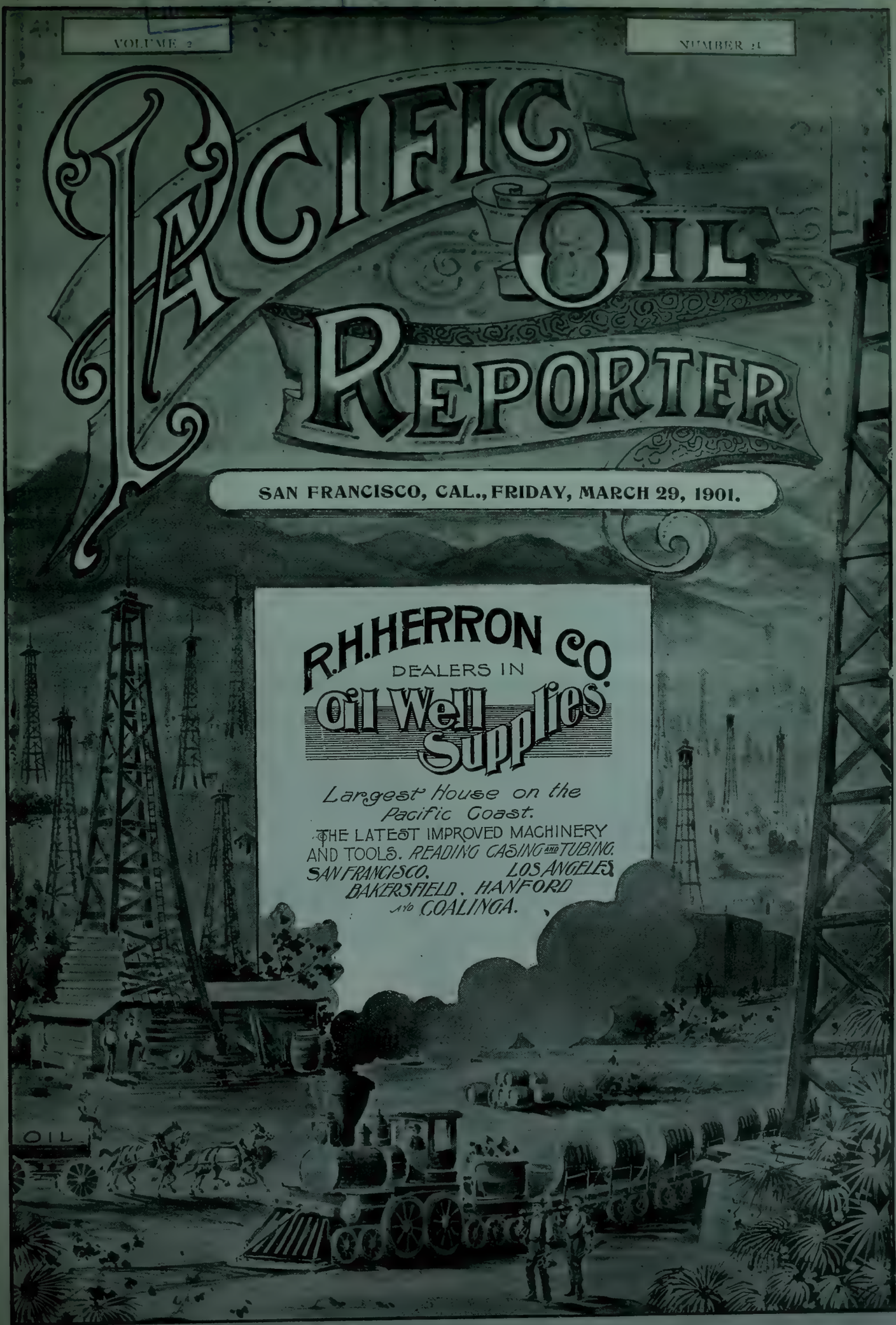
T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

Endorsed by the California Petroleum Miners' Association.

VOLUME 2 NUMBER 24

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MARCH 29, 1901.



10 Cents
Per Share

Three Wells
To Be Drilled at Once

10 Cents
Per Share

**Stock Selling Rapidly and will go to 25c very shortly,
As Only a Small Amount Will Be Sold at That Price.**

THE KERN VALLEY OIL CO.

Incorporated with a strong directorate under the laws of South Dakota Capital stock 500,000 shares. Par value $1 per share. 200,000 shares in the treasury. Stock non-assessable.

HAS 6,600 ACRES APPROVED OIL LAND

in best districts: Kern River, Sunset, San Diego, Poso, Glenn County. Will have a drill going on the lands in thirty days. Two other wells contracted for. We own 2670 acres in the celebrated Cottonwood district, Kern Co., Cal. Oil lands for sale or lease on most reasonable terms.

50,000 Shares Now Offered at 10 Cents per Share

to push development work. Write at once for full report and maps, and all information to

THE KERN VALLEY OIL COMPANY

**Room 13, 5th Floor, Mills Building,
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A Few Reliable Agents Wanted on the Coast and in the East

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The Sterling Oil and Development Company and the Sovereign Oil Company are now ready to make contracts for Fuel Oil up to 2,000 barrels per day.

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PACIFIC OIL REPORTER

VOL. 2. NO. 21. SAN FRANCISCO, CAL., FRIDAY, MARCH 29, 1901. PRICE, TEN CENTS

TRANSPORTATION BY SEA.

Advantage of Oil Discoveries Along the Coast.

Exploration Work in San Mateo County by the Bella Vista Oil Syndicate.

Ocean transportation seems to be the solution of the vexed transportation problem which has placed a temporary check on the California oil business, and the troubles with high freights and scarcity of cars has awakened a renewed interest in prospect work in the neighborhood of San Francisco.

The recent strikes in Contra Costa and Marin counties have shown conclusively that the oil belt has followed the outcroppings of unaltered shales, sandstones and conglomerates which runs northward along the west side of the San Joaquin and Sacramento valleys, with a secondary belt running through Monterey, San Benito, Santa Cruz, Santa Clara and San Mateo counties. The oil found near Hollister has recently proved the claims of the district to be oil-bearing long established by the Moody Gulch wells near San Jose, and the bitumen deposits of Santa Cruz establish the trend of this belt along the coast through San Mateo to Marin, where the recent oil discovery seems to show a continuation of the belt north of the Bay.

But San Mateo county does not need strikes in adjoining territory to prove the existence of oil, for a very light oil, running 48° B, was found at a depth of about 500 feet in several wells on Tunitas creek, ten miles south of Spanishtown, and 42 gravity oil was found at about 300 feet in the same neighborhood, in a formation of sandstone and dark colored shale. The Paraffine Oil company struck a 51° oil at 450 feet in this neighborhood.

Around Half-moon Bay considerable prospecting has been done and oil sand of twenty to thirty feet in thickness found in two wells. This sand yielded an excellent oil in considerable quantities, the oil rising to within a few feet of the surface. These wells are only a few miles from the ocean. One of these wells was drilled by George Owens in the gulch near R. H. Savage's house, about a mile and a half east of Half Moon Bay. The other was sunk by Sidney Smith, a few hundred feet from the Owen's well.

The favorable location of this county in relation to market has induced others to attempt a test of the territory, and the latest is the Bella Vista Oil Syndicate, which began spudding on its holding near San Gregorio on the 19th, Tuesday of last week.

Steam was turned on to the accompaniment of the tooting of a steam whistle and the cracking of a bottle of champagne over the nose of the big spudding bit by Mrs. C. F. O'Brien, who expressed the hope that the monster might never cease working until it was blown through the top of the derrick by a gusher, and Jumbo, as the eighteen-inch bit was christened, began its monotonous dropping toward the oil sand which it is believed lies beneath. It is thought that the oil sand will be struck some time early in May, and the rig will be worked double tour until that occurs. At the inauguration of drilling, Mr. H. H. Davis, 1st vice-president, Mr. Thomas Gilbert, general manager and Mr. Chas. F. O'Brien, secretary, were present.

Christening of the 18-inch Spudding Bit "Jumbo" by Mrs. C. F. O'Brien, on the Inauguration of Development Work at the Bella Vista Oil Syndicate's Property in San Mateo County, March 19, 1901.

The company operating on this property has spared no expense to put in an excellent plant, said to be one of the best in the state, as they wish to be prepared to go deep if necessary. A 50 h. p. boiler has been installed, with a 28 h. p. drilling engine. The derrick is 22 feet square at the base, and reaches 76 feet to the crown-block. The company has 2,000 feet of casing piled on the platform at Redwood City, ready for transportation. Oil is expected at a depth of 500 to 700 feet, but the company will go down as far as possible with large casing with the expectation of going deep as necessary to prove the formation. In view of the comparative shallowness of the wells near Spanishtown this seems a necessary precaution. At least half a dozen prospect holes will be drilled on other parts of the 1,200 acres controlled by the Bella Vista. Along the sides of a deep gulch traversing the property many seepages of oil have been found, and the oi drips from crevices in the rocks for a distance of over half a mile.

Another firm of well-known oil men, Graham & Loftus, the most successful operators in the Fullerton field, have prepared to begin operations in a short time within a few miles of the Bella Vista property.

The feature of this territory, as already mentioned, is the availability of cheap transportation. Oil could be piped to tidewater, only three miles distant, and shipped by tank steamer to San Francisco, thirty-five miles distant, at a cost of not more than eight cents a barrel, while the fuel oil of Kern River has to pay the railroad a tax of forty-three cents a barrel, more than half its value at present prices. Another advantage is the abundance of water and fuel on the property, which cost the company nothing. This is a decided advantage over working in the desert wastes of the San Joaquin valley, and one that will be much appreciated. There certainly seems to be good reason for further prospect work in San Mateo county, and the work done so far has made a sufficient showing to justify the belief that oil will be found in paying quantities.

Oil in Eastern Fresno.

Already one rig is under construction, about six miles from Pollasky on the property formerly owned by Ed. Lane, but recently purchased by San Francisco and Fresno men at the rate of $25 per acre, with a one-eighth royalty promised should the developments prove successful.

A large tract of land known as the Miller land, across the river from here, has been bonded recently and work on it is expected to commence immediately.

A. E. Sexton, who has two thousand acres of land near Pollasky, and one of the first to discover the indications of oil on his place, has excellent prospects, and is now closing a deal with a Kern county syndicate to commence boring for oil immediately on his place.

Adjoining Mr. Sexton's land are wells that were sunk for water, but proved to be natural gas, and the explosion is so great from the gas that arises that any light object thrown into it is hurled into the air several feet. This is another excellent indication of oil.

The Cobb land is also pronounced good oil land and the virtue of it is expected to be tested soon by a firm from San Francisco.

OIL FOR FURNACE WORK.

Plans of Construction for Securing High Temperature and Efficiency.

According to a German technical paper a furnace has been introduced by Mr. Hjalmar Krusell, of Noble Brothers, which is finding extensive application both in industrial establishments under ownership of the German government and under private control. Mr. Forselles incidentally refers to the comparative consumption of coal and oil as fuel, stating that at the state smelting works at Kolpino, Germany, 1,120 kilogs. of coal were required to smelt 480 kilogs. of brass in the reverberatory furnace, while the same effect could be obtained from 368 kilogs. of petroleum so that 1 kilog. of the latter proved equal to 3 kilogs. of coal.

THE COMBUSTION CHAMBER.

In Mr. Krusell's furnace, the dimensions of the chamber depend on the quantity of oil to be consumed per hour, but it has been found that for each pood burned in that time, 12 to 15 cubic feet of chamber space are required. As regards the height of the chamber, which is a very important factor, 3 ft. is found to be the minimum, since if the height be less the oil will not gasify, and it is a particular point to be observed in chamber construction that a sufficient height of fall should be provided

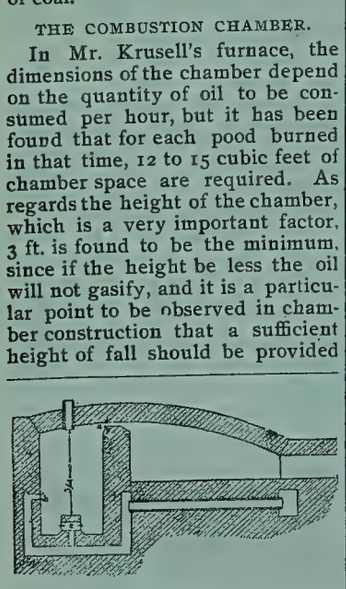

Fig. 1—Section Combustion Chamber.

to enable the whole supply of oil to gasify before it reaches the bottom of the furnace.

The detailed dimensions of the chamber furnace—the air conduits, B and C in fig. 1, and the flue A, are governed by the quantity of oil to be employed. For example, 1 pood of petroleum consumed per hour requires 8,000 cubic metres of air—that is to say, $\frac{8.000}{3,600} = 2.22$ cubic metres of air are necessary per second. If the current has a velocity of 20 ft. per second, the sectional area of the air conduits, B and C will be $\frac{2.22}{20} \times 144$ in. $= 16$ sq. in. In determing the sectional area of the flue, A, it may be assumed that the temperature in the combustion chamber will be about 1,200 degs. Cent.; the expansion of the air in the chamber under these conditions, will therefore necessitate a sectional area of 86.4 square inches for the flue A. The maximum height of the same should be 3.5 in., and it is found disadvantageous to exceed this, the temperature being so high that the chamber arch and firebridge would be quickly destroyed. The most favorable height for the flue is from 2 to 3 inches, and the length and breadth of the chamber are regulated by this. In the foregoing example the chamber should be 3 ft. high, and have a cubical capacity of 12 to 15 cubic feet; taking the length as 18 in. and the breadth as 3 ft., the capacity will be 13.5 cubic feet. The ratio between the air conduits, B and C, is fixed in such a manner that the supplementary conduit, B, has a sectional area of one-third to one-fourth the total required. The height of a supplementary conduit from the bottom of the chamber should be at least one-third of the total height of the latter. The mazout is fed into the chamber by means of siphons provided with funnels, their number being dependent on the rate of consumption per hour; ½ pood (16 lb.) per siphon an hour is a fair average, though it would of course be more advantageous could the fuel be introduced in smaller quantities through a larger number of jets. This again, however, would increase the difficulty of regulating the feed. In the present instance two feed pipes are presupposed, consisting of ½-inch gas pipe and fitted with cast funnels. Where fire-brick pipes are arranged, care must be taken that they are exactly vertical, so as to prevent the oil running now on one side, since they are aslant they quickly become obstructed owing to the formation of coke. The siphon tubes are fitted with screw plugs to facilitate cleaning. With regard to the conduits B and E (fig. 1) it should be remarked that their number ought to correspond to that of the siphons, and that the conduit, E, should be situated immediately below these latter. The regulation and distribution of the petroleum is best effected by ¼ in. taps. The storage tank is emptied by a 3 in. pipe, from whence the oil is delivered into siphons through ¼ in. taps, this method insuring uniform distribution. The feed pipe is situated above the arch of the combustion chamber, the oil undergoing preliminary heating from the radiated heat. For the same reason the storage tank is placed as close to the furnace as possible compatible with safety (the flashing point being only 100 degs. to 130 degs. Cent.) The best way to regulate the air supply is by flap doors. The warming of the air is effected in different ways. Thus in fig. 1 the air can be led through a series of gas pipes laid under the sole of the combustion chamber and heated by this means, whilst in one annealing furnace the waste gases are utilized for heating the air.

A SUCCESSFUL FURNACE.

In one furnace, designed for use in the manufacture of 47 mm. shell, it was desired to have a constant temperature, the decision falling on a muffle, the temperature in which could not exceed 1,000 degs. C. The construction shown in fig. 2 was adopted, and was found to succeed admirably. Air is admitted from one side through a conduit situated under the flue, and passes through a central conduit into the chamber, K, whence it is delivered, in a heated condition, through a conduit, C, and two conduits, B, into the chamber K¹. Here it is heated up still more, and delivered through three conduits, D, and an equal number of supplementary conduits, S, into the combustion chamber. The apertures, L and E, are provided for the purpose of cleaning the bricks and bridges; whilst the conduits, D, passing right through the furnace, can be cleaned from the front side, though at other times they are kept tightly closed. The gas generated in the chamber passes into the space, H, and is completely consumed there, the temperature produced measuring 2,200 degs. to 2,400 degs. Cent., according to the Siemens pyrometer

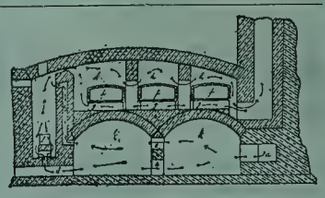

Fig. 2—Furnace for Constant Temperature. (Muffle Furnace.)

and Wiborgh's bomb. This gas plays round the muffle both above and below, passing thence (as indicated by the arrow) into the other two chambers, H, and escaping, when fully exhausted, by way of the chimney flue. The muffles, F, are mounted on bricks which surround the conduits and serve to retain heat, a function which they discharge admirably. The temperature attained in the muffles measures 960 degs. Cent. in the first, 940 degs. in the second, and 980 degs. in the third.

PREVENTION OF COKE FORMATION.

In order to prevent the formation of coke, the oil chamber must be arranged in such a manner that the air comes into contact with the parts where coke is liable to form, viz: at the point of contact between the descending masut and the sole of the furnace. In fig. 3, a brickwork bridge constructed above the air conduits in such a manner that the ingoing air divides and passes along both sides. The oil drops on to the bridge and is encountered by the air, the combustion being then rendered complete by the supplementary air supply. In this case, though it is possible for a slight incrustation of coke to form on the bridge since the air cannot always impinge on the bridge itself, the deposit is

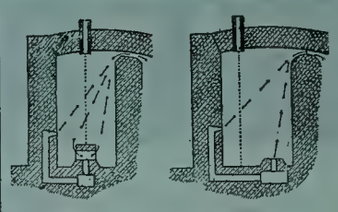

Fig. 3. Fig. 4.
Prevention of Formation of Coke.

prevented from growing very much, being exposed to the incoming air when it reaches a certain height. The type illustrated in fig. 4 has proved a failure because that part on which the oil falls is not exposed to the air current, and coke is therefore formed. Of the two kinds of firebridge, shown in these types the first is preferable to that of fig. 4, it having a longer conduit wherein the gases are more intimately mixed together. For furnaces with a large working aperture on the longer side, a bridge has been devised wherein the orifice on the front side of the furnace is made 3 in. high and that on the rear side 2 in. high, so that the greater portion of the gas passes over the front side, which is always strongly cooled.—Pet. Ind. & Tech. Review

OIL IN MINING.

Notes on the Elmore Concentration Process.

The essential claims of the patentee are as follows: 1. A process for separating the metallic from the rocky constituents of ore, by mixing the pulverized ore first with water in considerable quantity, then adding to the mixture an oil which adheres to the metallic constituents, but not to the wet, rocky constituents, allowing the water carrying the rocky material to subside, while the oil carrying metallic constituents floats above, and separating the oil from these constituents. The oil used is the thick, tarry residue of mineral oil, called "residuum," after some of the more volatile constituents have been distilled off.

2. For separating metallic from rocky constituents of ore apparatus comprising horizontally revolving helically-ribbed mixing drums, subsidence vessels, a centrifugal drum for separating the oil, a tank provided with agitators, and a second centrifugal machine for separating the water, arranged and operated substantially as described in the specifications.

The process, as practiced at Dolgelly, Walles, consists in crushing the low-grade copper rocks by a Comet breaker, followed by smaller ordinary jaw-breakers, passing the material to rollers (crushing wet), and the product of these to 5-ft. Huntington mills provided with No. 6 (jabbed) needle-mesh screens (the fines produced by the Comet are screened and fed direct to the Huntington mills).

The mixture of pulverized ore and water is fed into the end of a drum which is caused to revolve slowly on rollers by means of a worm; oil is added by a separate pipe, made preferably telescopic to admit of it being discharged at different distances from the end. At each end there is a circular opening, and within the drum annular helical ribs extend from end to end; the spaces between these ribs are divided into cells by a number of equidistant blades, to effect a thorough intermingling of oil with the pulp and water, without being broken up. All three are carried to the opposite end of the cylinder or drum from the one where they are entered, whence they are discharged through a number of circumferential holes into the subsidence vessel, where the water and sand or pulp are allowed to subside, the bouyant oil carrying the mineral ingredients floating on top. The oil is admitted at the same end as the feed. There are two or three drums, one underneath the other, the second treating the tailings of the first, and so on as the case may require. The feeding of the pulp, as well as of the ore and oil, is done in the upper cylinder. It is of importance to determine the point in the length of the drum at which the the oil is to be admitted. If admitted at the beginning it would probably take up at once so much of the mineral as would make it sink in the feed water and prevent its floating. Therefore the point of entry of the oil depends on the amount of mineral in the ore, and must be determined.

At Glasdir, where the ore is an impregnation of very fine copper and iron pyrites, in an altered slate, it was ascertained that practice had established a use of five

times the weight of ore as the correct amount of water.

The right amount of oil to be added for the Glasdir ore, Messrs. Elmore determined to be about equal weights, or 1 ton of oil to 1 of ore. This amount varies with every ore. The oil, owing to its viscosity, will not flow readily, and small rotary pumps are introduced, acting like meters, propelling it forward. It was found impossible to determine the loss of oil by measurement. The storage tank contained more oil after the test than before, probably due to retained water and air. Messrs. Elmore determined the loss of oil, based on the experience of a run of over 700 tons, including what is retained in the concentrates, the tailings and what is lost by waste, to be 2 gals. per ton of ore treated. In the tests the amount of oil retained by concentrates and tailing proved to be about 1¼ gals. per ton. As the test was probably more carefully made than the 700-tons run, it seems safer to assume the experience of Messrs. Elmore, that is, a loss of 2 gals. per ton of ore with the Glasdir ore.

The mixture discharged through the holes from the drum flows, as mentioned before, into the subsidence vessel. Additional oil may be added to this vessel, at some distance down, by means of a separate pipe, to aid in floating the mixture.

From the subsidence vessel, in which the water and tailings are drained at the bottom, the oil carrying the mineral is pumped to a hydro extractor having a solid basket with a projecting flange at the top. This is found to give good results, running from 750 to 800 revolutions per minute. During the action of the machine the mineral and water pack in vertical walls, and the oil floating on the water rises vertically on the wall and creeps over the flange, or lid, of the solid basket and drops into space between the basket and the enclosing monitor, and from there goes to temporary storage tanks, whence it is pumped again to the reservoir or stock tank. The separated water is let out through an opening at the bottom, covered with a cone cover, after the machine comes to rest. The mineral is packed solid along the inner periphery of the basket. The final draining of the oil and water is accomplished in a smaller hydro-extractor with a perforated basket on the periphery, to which the mineral is transferred. The oil and water escape through the meshes and concentrates carrying about 4 per cent of oil and 4 per cent of water remain behind.

Tests were made of the proficiency of the process on the very low-grade copper ore from the Glasdir mine, carrying about, on an average, 1.12 per cent copper, 0.049 oz. of gold per ton of 2,240 lbs., and 0.8 oz of silver per ton of 2,240 lbs. Seven distinct and separate runs were made on this ore by the inventor, under close supervision, treating in all forty-three tons of rock. Thes. showed an average saving of 69 per cent of the gold, 65 per cent of the silver, and 70 per cent of the copper with a rate of concentration of about 14 into 1. This is certainly a good saving when we consider the low grade character of the material operated upon.

The percentage of yield of the metals, is not the final net yield. It is subject to the usual smelters' charges and reductions for treatment of concentrates produced.

If the viscosity of the oil requires to be increased, the inventor adds of from 2 to 3 per cent of mineral butter, a later distillation product of residuum oil. If owing to climatic conditions the oil has to be thinned, a previous distillation product has to be added to the residuum oil. The temperature of the oil and water at the Glasdir works is kept between 54° and 57°, though it is possible that wider margins may be permissible.

More Oil Cars.

President Hays of S. P. has made reply to the petition of the oil men of Kern county for more oil cars to transport their petroleum to the market. The answer is addressed to the Railroad Commissioners, and in the letter he says he is aware that there are not enough oil cars to handle the product, but that he sees no reason why the business should be at a standstill and the wells shut down for lack of cars. The suggestion is made that more tanks be erected along the railroad tracks. With these tanks adjacent to them, it should not be necessary for the wells to be closed down.

Mr. Hays adds that the Southern Pacific fully realizes the value of this new industry, and that oil cars are being procured as fast as possible. He says that 500 new oil cars are being constructed as rapidly as possible, and that the delivering of them will be commenced April 1st.

In conclusion Mr. Hays says: "I trust that when the cars ordered and in process of construction are in service there will be no further cause of complaint on the part of the shippers."

For Fuel In Drilling.

Preparations are being made to pick up the oil in the lake near the Lucas well, at Beaumont, Texas, to supply the local demand. All the oil rigs which will be used in that vicinity are equipped for burning oil in their furnaces, and Mr. Galey and Capt. Lucas will arrange to furnish all the fuel desired by well drillers at thirty cents a barrel. This will make the drilling of wells in the future considerably cheaper than was the work on the Lucas well, because one of the largest items of expense has been fuel.—Houston, Tex., Post.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

Lincoln Oil Company OF OAKLAND, CAL

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered for A Few Days

Address **Lincoln Oil Company, Central Bank Building, Oakland, Cal.**

1686 Acres of Oil Lands

Expert's Report

on land in Kern River district where the company are now drilling their first well.

San Francisco, Cal., Sept. 25, 1900

The Lincoln Oil Co. — Gentlemen—I have made an examination of the property owned by your company, to wit: the southwest quarter of the northeast quarter of section 14, township 28 south, range 27 east, M. D. B. & M.

From the exhibit of frequent OUTCROPS of OIL SAND, PRIMARY SHALES, etc., on this property, I have no hesitancy in saying that your property lie within the prolific table oil belt running west of north, through the Kern river District, and I am satisfied from in dubitable surface indications that wells drilled on this property should be prolific yielders of oil running over 15 degrees Baume.—an ideal fuel oil.

Very sincerely yours
M. M. OGDEN
Field Expert Producers' Oil Exchange, San Francisco, Cal.

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28-27, Kern River district has passed through rich oil sand and will soon be finished with the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

STOCK UNDERWRITTEN

OFFICE
Pacific Coast Underwriting Company
504 PARROTT BUILDING

S. F., Cal., Sept. 20, 1900.

We hereby certify that we have underwritten the stock of the "Lincoln Oil Company" and the advantages are as follows:

1st. The stock is fully paid and non-assessable.

2nd. The buyers are guaranteed DOLLAR for DOLLAR of the money invested in this stock.

3rd. The stock is preferred.

4th. We will loan from 40 to 50 per cent of the par value to the holders of this stock at any time.

5th. The bonds used to guarantee the stock are obtained in this city and can be easily investigated.

E. D. COOLEY, President
W. B. BURROWS, Sec'y

A few Reliable Agents wanted to sell our Stock.

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, MARCH 29, 1901.

New Incorporation Laws.

The incorporation of oil and mining companies in California will be a much more expensive operation hereafter under the operation of the laws passed by the last legislature regulating the filing of articles of incorporation and the fees to be paid. Heretofore the fees paid to the Secretary of State have been $11, regardless of the capitalization, but now there is a graduated scale of fees running from a minimum of $15 to a maximum of $150 according to the amount of capital stock. At the latter initial cost a capitalization of $1,000,000 will not seem so necessary to some promoters.

But the measure that will cause the keenest concern among a large number of the oil people of the state is the new and hard-hitting statute absolutely requiring all foreign corporations now or hereafter doing business in this state to file certified copies of their articles of incorporation at Sacramento and pay the fees required hereafter of California corporations.

Some hundreds of oil companies have been formed under the laws of other states and none of these may legally do business in California hereafter without complying with this law and a penalty of not less than $500 is attached. Most of these companies are incorporated in South Dakota or Arizona. A large proportion have a capitalization of $1,000,000 and the cost to them, unless the capital stock is reduced, will be $150.

The law regulating the fees to be charged by the Secretary of State was approved February 28, 1901, and the portions of it relating to incorporations are, in full, as follows:

4. For filing articles of incorporation, if the capital stock amounts to twenty-five thousand dollars or less, fifteen dollars; if the capital stock amounts to over twenty-five thousand dollars, and not over seventy-five thousand dollars, twenty-five dollars; if the capital stock amounts to over seventy-five thousand dollars, and not over two hundred thousand dollars, fifty dollars; if the capital stock amounts to over two hundred thousand dollars, and not over five hundred thousand dollars, seventy-five dollars; if the capital stock is over five hundred thousand dollars, and not over one million dollars, one hundred dollars; if the capital stock is over one million dollars, one hundred and fifty dollars; for filing articles of incorporation without capital stock, except cooperative associations, five dollars; for filing articles of incorporation of cooperative associations, formed under the act of eighteen hundred and ninety-five, and acts supplementary thereto or amendatory thereof, fifteen dollars.

5. For recording articles of incorporation, twenty cents per folio.

6. For issuing certificates of incorporation, three dollars.

7. For filing certificates of increase of capital stock, five dollars for every ten thousand dollars, or fraction thereof of such increase.

8. For filing certificate of decrease of capital stock, five dollars.

9. For filing notice of removal of principal place of business, five dollars.

10. For filing amended articles of incorporation, unless otherwise provided for, five dollars.

11. For filing certificates of creation of bonded indebtedness, or increase or decrease thereof, five dollars.

12. For issuing certificate of increase or decrease of capital stock, three dollars.

13. For filing certificate on continuance of existence, five dollars.

14. For issuing certificate on continuance of existence, three dollars. * * *

17. For filing certificates of increase or decrease of number of directors, five dollars.

18. For issuing certificate of increase or decrease of number of directors, three dollars.

All fees collected by the secretary of state must, at the end of each month, be paid into the state treasury. Twenty-five hundred dollars of such monthly returns shall be credited to and constitute the state library fund, and the balance shall be paid into the general fund of the state.

SEC. 2: This act shall take effect and be in force from and after the date of its passage.

For the benefit of its many readers who will be interested in it, the PACIFIC OIL REPORTER presents in full as follows the act concerning foreign corporations approved March 8, 1901:

SECTION 1. Corporations organized under the laws of another state, territory, or of a foreign country, which are now doing business in this state, or which shall hereafter enter this state to do business, or maintain an office in this state, shall file in the office of the secretary of state of the State of California a certified copy of their articles of incorporation, or of their charters or of the statutes or legislative or executive or governmental act creating them in cases where they are created by charters or statutes or legislative or executive or governmental acts, and a certified copy thereof, duly certified by the secretary of state of this state, in the office of the county clerk of the county where its principal place of business is located and also where such corporation owns property.

SEC. 2. For filing and issuing certified copy as required in section one of this act, corporations formed under the laws of another state, or of a territory, or of a foreign country, shall pay the same fees as are paid by corporations formed under the laws of this state.

SEC. 3. Every foreign corporation amenable to the provisions of this act which shall neglect or fail, within ninety days from the date of passage of this act, to comply with the conditions of the same as herein provided shall be subject to a fine of not less than five hundred dollars, to be recovered before any court of competent jurisdiction; and it is hereby made the duty of the secretary of state, as he may be advised that corporations are doing business in contravention of this act, to report the fact to the governor, who shall instruct the district attorney of the county wherein such corporation has its principal business, or the attorney-general of the state, or both, as soon as practicable, to institute proceedings to recover the fine herein provided for, and the amount so recovered must be paid into the state treasury to the credit of the general fund of the state; in addition to which penalty, no foreign corporation as above defined which shall fail to comply with this act, can maintain any suit or action, either legal or equitable, in any of the courts of this state upon any demand, whether arising out of contract or tort, until it has complied with this act; provided, that any corporation described in section one of this act, which is now doing business in this state, and which has complied with the act in relation to foreign corporations, appoved April first, eighteen hundred and seventy-two, and an act amendatory thereof, approved March seventeenth, eighteen hundred and ninety-nine, is exempted from the provisions of this act.

SEC. 4. This act shall take effect and be in force from and after the date of its passage.

The provision for exemption contained in section 3 will do few companies any good. The law referred to, as amended in 1899 provides in section 1 as follows:

Every corporation heretofore created by the laws of any other state or foreign country and doing business in this state shall within ninety days after the passage of this act, and any corporation hereafter created by the laws of any other state or foreign country and doing business in this state, within forty days from the time commencing to do business in this state, designate some person residing in this state, upon whom process issued by or under authority of any law of this state may be served, and within the time aforesaid shall file such designation duly certified to by the Secretary of State and a copy of such designation duly certified by the Secretary of State shall be sufficient evidence of such appointment and of the due incorporation of such corporation, and it shall be lawful to serve on such person so designated, or in event that no such person is designated, then on the Secretary of State, any process issued as aforesaid. Such service shall be made on such person so designated or the Secretary of State, in such manner as prescribed in case of service required to be made on foreign corporations, and such service shall be deemed a valid service thereof on such corporation.

The penalty for failure to comply with this law is a denial of certain benefits of the law of civil procedure concerning suits, and it is said that not one in a hundred of the corporations affected have troubled themselves about this law or even known of its existence.

Delinquent Sale Notice.

Loma Prieta Prune Ranch. Principal place of business, San Francisco. Location of ranch, Monterey county, California.

Notice.—There is delinquent upon the following described stock, on account of the assessment levied on the 25th of February, 1901, the several amounts set opposite the names of the respective stockholders, as follows: George J Bucknall, 5 shares; Thos P Woodward, 2 shares; Jas F Muirhead, 2 shares; O M Smith, 1 share.

FRANK MORTON,
Secretary.

Notice of Assessment.

Loma Prieta Prune Ranch company. Location of principal place of business, San Francisco, California. Location of ranch, Monterey county, California.

Notice is hereby given that at the meeting of the board of directors held on the 25th day of February, 1901, an assessment of ten ($10) dollars per share was levied upon the capital stock of the corporation, payable immediately in United States gold coin at the office of Madison & Burke, 636 Market street, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 25th day of March, 1901, will be delinquent and advertised for sale at public auction and unless payment is made before, will be sold on Monday the 22nd day of April, 1901, to pay the delinquent assessment together with the cost of advertising and expenses of sale.

By order of the board of directors.

FRANK MORTON, Secretary.

Sunset

Stocks in several of the strongest companies in the Sunset field offer the best opportunities for small investors

SUNSET CONSOLIDATED, 15c per share.

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In amounts from 100 to 1,000 shares.

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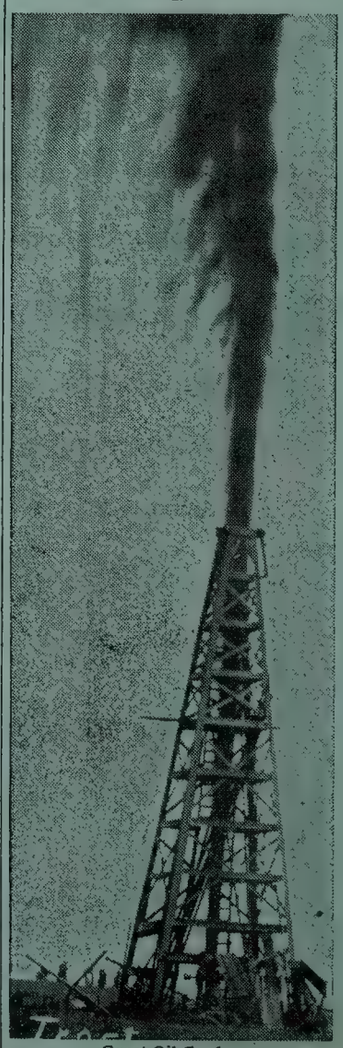

Great Oil Gusher.

Parent Company

Only 24 Shares to Be Issued

List will close end of the month.

Those desiring to be in oil speculation at its first incipiency,

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MACPHERSON & CO.

Members Producers' Oil Exchange

Room 501 Hearst Building,

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San Francisco, Cal.

PHONE, BUSH 240.

BURNING GAS WELL IN TEHAMA COUNTY.

The picture on this page is a reproduction of a photograph taken at night of a burning gas well in Tehama County.

The well is located on the land of the Corning Oil & Gas Company, ten miles west of Corning, and the gas comes from an inch orifice. This company commenced drilling this week.

The Pacific Petroleum & Gas Development Company has a well down about one hundred feet that burn a gas flame the full size of a ten inch casing fifteen feet high. This well was started March 12th. The formations thus far found are blue shale and brown sandstone

Mistaken Indications.

A warning to oil prospectors has been given out by A. S. Cooper, State Mineralogist, who says that there are certain surface indications which may readily be mistaken for oil seepages, and which may cause a waste of time and money.

These counterfeit seepages appear in the form of an iridescent film over the surface of water oozing from the ground or draining out of hillsides, and to the superficial observer stimulate perfectly the appearance of high grade oil. They can be identified by the following tests: First, lack of petroleum odor; second, instead of having substantial thickness they are found to consist of a mere film; third, when stirred they break into fragments instead of swirling about, as oil will do; fourth, when pieces of blotting paper are laid upon them so as to take them up, and the blotting paper is afterwark put into a glass jar filled with water and shaken, the water will be colored a dull yellow brown. These seepages are really nothing but iron, and may merely indicate the presence of that element in a clay bank through which they have passed. It will be observed that the ground over which they lie will always be found to be coated with a yellow oxidation when they are removed.

Oil Cars Building.

The Southern Pacific will soon have a total of 1075 oil tank cars for the new California oil districts. The Sacramento shops are building 100 oil cars, twenty-two of which have been completed. Eastern shops have a contract to build 500 for the Southern Pacific company. The first one will be ready April 1st, and thereafter they will be delivered at the rate of five and ten cents a day. Before these two big orders for an aggregate of an equivalent of 650 new oil cars the Southern Pacific already had about 425 oil cars, including those owned and those leased. All these will be retained in the business, and even more will be constructed.

Major Edwin W. Woodward, special agent of the Golden Reward Oil and Development company, has returned from McKittrick, where he has been inspecting the large producers and the property of the Golden Reward.

How to Sell Your Stocks

We can furnish gold bonds maturing in from seven to thirty years and drawing from two to four per cent interest per annum, payable semi-annually.

Stocks are easily sold if guaranteed by interest bearing bonds.

Investors will not buy unprotected stocks. Every bond certified to by the California Safe Deposit & Trust company.

Information regarding guaranteed stock furnished investors upon application.

Companies incorporated under the laws of any state or territory desired.

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The Esmeralda Oil and Development Company : :

CAPITAL STOCK 100,000 SHARES
PRICE PER SHARE - - - $1.00

We own 404 acres of the Choicest Oil Lands in the

Vallecitos District, San Benito County

We are now boring and rapid progress is being made. As our test well struck oil at 32 feet it assures our future.

FREE FROM DEBT AMPLE FUNDS

No Salaries paid to officers. Treasury funds to be used for development purposes only. Limited number of shares to be sold. Stockholders are fully guaranteed against loss.

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STOCK NON-ASSESSABLE

Incorporated under the laws of Arizona, December 29, 1900.
Capital Stock, $1,000,000; 1,000,000 Shares, par value $1 each.

4000 ACRES IN SAND FLAT OIL DISTRICT, SHASTA COUNTY

Be on time. You cannot miss it. An investment of a few dollars now may bring you a fortune. The first **fifty thousand shares** of treasury stock will be sold for the small sum of **10 cents a share,** the proceeds to be devoted strictly to development work.

Twenty-five Thousand Shares are already sold. **Now is the time** to get in on the ground floor and secure your stock before the raise in price.

Derrick will be erected and drilling commenced as soon as machinery can be purchased and placed on the ground.

Two wells now drilling in near vicinity; one within thirty feet of our land. For information or Prospectus, call on

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Fail to call and get full information regarding the

SPRING OIL COMPANY

Stock being sold by us at
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Before investing in oil.

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WAR AMONG PRODUCERS.

Consumers Buying Oil at Extremely Low Prices.

The oil situation at Bakersfield does not seem to have improved very much in spite of the fact that there is a steady and increasing demand for oil; the producers, instead of being desirous of obtaining a fair price for their oil, seem to have among their number a certain class whose desire simply is to sell at any price. As a consequence a number of large contracts have been made within the last few days at rates which are from twenty-five to fifty per cent lower than was necessary.

Large and small consumers are now afraid to buy oil even at a low price for fear lest someone else, who may be a competitor of those in business, will obtain oil at a still lower price, and the end is not yet.

The Standard Oil company expects to have a large number of bids for oil on March 30th when the bids will be open for 25,000 barrels of crude petroleum delivered at its pipe lines in the Kern River district.

Although the bids call for 25,000 barrels it is practically certain that if the right quality of oil at a gravity not to be below 14° and at reasonable prices, the company will purchase not only one lot of 25,000 barrels, but probably from four to eight lots and perhaps even more.

The Standard Oil company has now sufficient tankage, not only at Kern River but about the bay, to enable it to deal very extensively in oil and as its Kern county tanks accommodate nearly 300,000 barrels and as it can obtain its own tank cars from the East to solve the transportation problem, there is little doubt but that if the producers can furnish a large quantity of oil within a given period the company will buy it.

W. S. Miller, Pacific Coast manager of the company, is still in Honolulu, but it is understood that he has been successful in showing the Honolulu manufacturers the superiority of oil over coal, and has also demonstrated that oil can be placed in the market at prices which render coal competition impossible.

It is understood that the 6000 ton tank oil steamer is now being built in the East for the Standard Oil company for the purpose of exporting oil in bulk to the Hawaiian Islands and the Northern ports.

The Southern Pacific company is using every endeavor to change its engines as fast as possible from coal burning to oil burning and producers will have to exert themselves before long to supply the rapidly increasing demand.

If the present competition among producers keeps up, while it may have the effect prophesied by President Wendling, of increasing the number of consumers it may also have the effect of discouraging further production and in this way greatly injuring the oil industry of the state.

Coalinga Land Suit.

Arguments upon demurrers of defendants to plaintiffs' bill of quiet title were heard this week before Judge Welborn of the United States Circuit Court in Los Angeles, the plaintiffs being represented by W. H. H. Hart and A. R. Cotton of San Francisco. This is the suit of the California Oil and Gas company of Arizona against E. O. Miller and others. The original suit was a bill in equity to quiet title to certain oil lands in section 20 west, township 19 south by 15 east. The lands in question are now occupied by the Coalinga Oil company on the northwest corner, the Home Oil company on the northeast corner and the Phoenix Oil company on the southeast corner. The controversy grows out of conflicting locations. The plaintiffs claim they have been in possession of the southeast quarter of section 20 for many years. Some of the locations go back as far as 1890.

The territory in litigation adjoins the famous Blue Goose and other noted producers and is the most noted oil land in California.

Texas Oil.

The Beaumont Enterprise says of the oil from the gushers in that neighborhood "It has been generally understood since the discovery of oil in the Lucas gusher near Beamont that it was a fuel oil purely and simply; that it possessed no illuminating or lubricating properties, and furthermore, a great many people have taken it for granted that nothing but fuel oil would be found in the district. According to the statement of Dr. C. B. Forward and evidences presented by him, the product of the Lucas gusher has other uses than for fuel and is a much richer find than it would be were it fit for fuel only, and if the history of other oil fields is to be repeated the Beaumont district may yet afford a lighter oil, which will turn out an illuminant in great quantities."

Spring Poem on Oil.

Sure these are days o' leases and agreements by the score,
And there haint a day that doesn't add a half a dozen more
New corpyrations to the list o' companies to bore
Fur "Ile in payin' qwontities."

The air is full o' parties o' the first and second part,
A'tellin' that in sixty days the spuddin' in must start,
An that within a month there'll be another happy heart,
At "Ile in payin' qwontities."

The papers are a-teemin' with the south o' section four,
A-tellin' us how deep the San Joaquin will have to bore,
An' how they've lost a string o'tools on east o' twenty-four,
For "Ile in payin' qwontities."

The halves an' qworters are so mixed we don't know where we're at—
The waiters in the restauraughs are even heard to blat,
"The northwest half o' southwest half o' mutton, lean or fat"—
"Ile in payin' qwontities."

An' on the corners o' the streets are squads o' buzzin' men,
That haint got anything to say exceptin' "section ten,"
Or when they look for news from Golden Gate, or Grace, or Penn.,
Of "Ile in payin' qwontities."

—Bakersfield Californian.

New Method of Drilling.

A company known as the Canfield Drilling company has been organized to push the introduction of a new portable drilling machine, the invention of C. W. Canfield of Bakersfield. This machine starts with a 6-inch hole, and it is claimed that it can go down 2,000 feet. The tools are heavier than the Standard rig for the same sized hole, and cut a hole the full size of the casing shoe with no reaming necessary. It is intended especially for prospecting work.

GUARANTEE UPON GUARANTEE

Famoso's Well No. 1 is Finished and is Pumping Over 600 Barrels daily. Well No. 2 is in the Oil.

Guaranteed from the beginning by the Continental Building and Loan Association, the value of the stock of

The Famoso Oil and Investment Company

Is now established by the proven richness of its holdings in the Kern River District. We are not only in the CENTER OF OIL PRODUCTION tIN CALIFORNIA, but our first well is the peer of anything in the vicinity. Our engagements require us to complete three more wells this summer, making

Four Wells in Six Months

That is the reason why we will sell Treasury Stock for a short time longer at the same price. WE MUST HAVE QUICK CASH FOR RAPID DEVELOPMENT. Energetic work now will put the company on a dividend paying basis this year.

Our Stock is a Bargain

At the old price of 50 cts. a share. Stock will be advanced to 75 cts the 10th day of April, at which time well No. 2 will be on the pump

Call at our Office, or send for Prospectus and Information Inquie about us from any reputable journal identified with the Oil Business.

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Office: Room 393 Parrott Building, San Francisco

Branch Office, 1330 E Street, San Diego, Cal.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts the State.

ALAMEDA.

The Skookum Oil company, of which R. W. Colson of this city is president, has secured 300 acres of the Gouldardt ranch, three miles east of Haywards.

Five oil seepages are found on the property which is not far from the Grand Pacific in Contra Costa county.

COLUSA.

An oil rig has arrived at Williams to be operated on the Sherer place in Bear Valley.

E. F. Haswell, of Rumsey, has a contract for boring a well 300 feet deep, for a man named Riley, six miles southwest of Arbuckle.

It is said work has been practically suspended at the Smith & Gorrill well for four days.

FRESNO.

The Star is drilling near Oil City.

Ajax has a good showing at Coalinga.

Water works are being put in at Coalinga.

The Corona is having trouble with casing.

The Santa Clara has a fishing job at Coalinga.

Minnesota is twelve feet in No. 1 and making hole every day.

The El Capitan of Coalinga struck the sand in No. 1 at 460 feet.

Confidence on 31 is getting a little deeper into the sand every day.

Producers Guarantee is having trouble with the new fangled machinery.

Oil of 28 gravity has been struck at Sunnyside three miles west of Coalinga.

The Carmelita is 900 feet with nine and five-eighths casing and a good hole.

The Twenty-eight is tubing No. 5 and will have her on the pump tomorrow.

The Fauna No. 1 is finished. The boys say it will pump twenty-five barrels a day.

It is rumored that work will be suspended on Oil City Petroleum, Hanford and Twenty-eight until the situation is definitely settled.

The Blue Diamond company has a Standard rig on 27, 20-14 and will begin drilling within the next two weeks.

Echo, in 29, 20-13, which was shut down for a few days, has started up again.

Messrs. Welsh, Valentine and others of Fresno have erected derricks on 23, 20-14 and 5, 20-15, and drilling on both sections will shortly commence.

The Hamiltonian company in 16, 17-12, has struck a 9-barrel flow at 89 feet, and will use this for fuel, another well being started just beside it.

The Coalinga Oil company is putting in its own pipe line from Oil city to the railroad. That will make three pipe lines to the field.

Many buildings are in course of construction in Coalinga and the gas plant is almost completed. Over 100 building lots have been disposed of by the Pacific Improvement company during the week.

Westlake-Rommel, which is drilling on 2, 21-14, is in the oil sand and the indications are excellent for a big well. This proves the land in 20-14 clear to the Confidence wells as good oil territory and has created considerable excitement in Coalinga.

GLENN.

The drill of the Great Northern in Glenn county was down 710 feet at last report.

An oil boring rig arrived in Williams consigned to the Minor ranch on Bear Creek, where the company intends to begin development work at an early date.

HUMBOLDT.

The Fortuna Oil Development company is organized with a capital stock of $200,000, divided into 200,000 non-assessable shares. Stock will be placed on the market within a few weeks and active operations, at a point near Fortuna will be commenced as soon as possible. The directors of the new corporation are: J. H. Hunter, president; Wm. M. Morgan, vice-president, B. R. Wellock, Frank Rohner, Frank Rolley, B. B. Doyle, secretary and W. D. F. Ward. The Bank of Eureka is treasurer.

KINGS.

Joseph Wilson of San Francisco holds 640 acres of good oil land in the Kreyenhagen district.

The Hanford Journal confirms the report of the strike of a ten or twelve barrel well at the Stanislaus company's well in the Kettleman district. The sinking was continued and a flow of water struck. The company are considering shutting off the water and testing the well.

The earthquake of March 5th did considerable damage in Wartham canyon, destroying fences and uprooting trees, and in two instances demolishing houses. The earthquake was felt in an area of thirty miles, extending from the Kreyenhagen well on the west to the Parkfield district in Monterey county, and seemingly following the Kreyenhagen oil belt.

KERN.

Development has begun on 34, 30-22.

The Bolena is sinking its 11⅝ casing to 560 feet in Kern River.

McKittrick is one of the sources of water supply of the Midway field.

The Hecla went into its first oil sand on Tuesday of last week at 445 feet.

There are bearing sands in the well of Hickey & Ludwig on section 17, 29-28.

The Twenty Oil company at McKittrick has the sand in No. 2.

Ludwig & Hickey on the south side are down 900 feet.

The Moneto in 30, 28-28, began drilling this week.

The Southern Pacific company's well on 25, 28-27 is pumping all that a 3-inch pipe will carry.

The fishing job of the Twenty Oil company at McKittrick has been completed and work resumed.

The drill in the Acacia well has passed the 1000-foot mark, but no oil has been found.

The Zaca Lake Oil company, operating on section 4, 29-28 has its No. 1 now 740 feet deep.

The Wizard of Kern River owns land on section 26, 29-28 and will begin drilling soon.

The Equality Oil company is drilling on section 21, 28-28. The oil sand has been found at 550 feet.

Work on the Cortez well on section 5 is not yet completed, but the sand already in the hole looks well.

The Spring Oil company on 11, 29-28, south of Kern River, struck oil yesterday.

The U. S. on 26, 12-24, Sunset field is in the first sand at 565 feet. There is an abundance of gas.

The Little Standard is in oil on 10, 30-21. This strike extends the proven land at McKittrick for the distance of a mile.

C. A. Barlow has been given an option on forty acres of valuable mineral land on section 12, 11-23 by the Pittsburg company.

The east half of the northwest quarter of section 22, 29-21 has been deeded to the Sargasso Oil company by John Heenan.

The American Girl and the American Boy on 7, 11-23, have their rigs in place and will begin spudding in within a few days.

The Lone Star in the Sunset field is down 1502 feet, and has let a contract to sink 300 feet deeper. The drill is in blue clay with an odor of oil.

The Kern River Oil Company has sold 20,000 barrels of oil at McKittrick to the Standard at 25 cents per barrel. It was a joblot and is not the field value of the product in that field.

Reports continue to circulate that the Federal on 3, 30-30 has gone into oil. Those connected with the company are not communicative in regard to the reported strike.

The Electric Oil company on 10, 29-28 have finished their first well and are drilling No. 2. No. 1 was put down to a depth of five hundred feet and has over one hundred feet of oil sand. The company expects to have six wells completed this summer.

LOS ANGELES.

On the Pellissier tract the Los Angeles Oil company has its well on the sand pump.

The Turner Oil company is making good progress with well No 5, which is down in the vicinity of 900 feet.

The Illinois Oil company, on section 36, has made 1400 feet of hole, and is still going down.

The Central Oil company is making good progress with No. 30, but is still experiencing trouble with water in Nos. 16, 26 and 28.

Up in the north end the Sterling company has signs of oil in its well near Melrose avenue. The drill has been dropped 287 feet.

For several months the Reliance Oil company has been drilling on the hills east of Ivanhoe out in the west end.

The hole is now 1250 feet deep and is just north of the city limits on the east side of the river.

The Lacy & Leewenthal well, a little east of the Sterling property, has reached a depth of 700 feet, and has found oil. This hole is being made with a hydraulic rig.

The Warner Oil company resumed drilling this week on No. 4, on which operations had been suspended for a number of days while the well was put on the pump.

Out in the middle western extension of the city field the Hecla Oil company has dropped the drill to a depth of 400 feet and it is reported traces of oil have been found already.

The Murphy Oil company's No. 2 well is now down 1810 feet. A heavier casing than is ordinarily used in this field will soon be put into the deep wells of this company.

It is reported that the Climax Oil company has found oil in its well just adjoining the above property, the drill having entered the oil-bearing stratum at a depth of 400 feet.

The Home Oil company is making hole rapidly with its new well, No. 12, which has been put down 250 feet in a week. No. 9 is now pumping at the rate of one hundred barrels a day, and is expected to settle down to about fifty barrels when the head is pumped off.

The Central Oil company has increased its capital stock to $1,000,000. This step was taken at a meeting on Wednesday of last week. Shares to the number of 50,000 at $1 a share were issued for the purpose of developing the company's Fullerton property and were all taken by the present shareholders of the corporation.

The Sterling Oil company is among the most recent operators. It now has a well drilled to a depth of 700 feet on the Gird tract, and it is reported has found traces of oil in the shale, and other indications that bespeak of better finds to follow One stratum of water sand was found at 150 feet, but since that depth no trouble has been occasioned by that property.

MONTEREY.

The Salinas Oil Company is down 250 feet on sec. 20, 19-6.

The Naciemiento on the Van Schroeder ranch has an oily shale at 400 feet.

On sec. 2, 25-10, the Great American is down 200 feet.

The Monterey Oil company, on 27, 24-10, is down 930 feet and has some oil.

The Tomboy, operating in sec. 19, 24-10, is now down 920 feet.

Drilling is progressing on the San Antonio, sec. 29, 22-10, and the San Ardo in sec. 13, 22-9.

Mr. Emery of Emeryville, Alameda county, owns 9,000 acres of land in Monterey county. He has noticed the presence of oil floating on the water and other oil indications along the coast, and has purchased a drilling rig and sent a crew down to drill near the beach, four miles from the town of Monterey.

ORANGE.

The Columbia company has commenced spudding in on its twelfth well.

The Olinda has shut down drilling operations on well No. 4, owing to an accident to their boiler.

The Chino people are proceeding with development work on their lease further up through Soquel Canyon.

The Sunset Consolidated Oil company are the owners of the new rig just above the Hiltscher place, which has lain idle ever since its completion.

On the Santa Fe lease matererial and tools for wells Nos. 25 and 26 have arrived, the former of which is now being rigged up. Grading has also been done for No. 27, which will be near one of the Hall gushers.

Owing to the hilly character of the ground it has been found impossible to pump the wells belonging to the Columbia company by cables from a central power-house as is usually done.

SHASTA.

The Shasta Consolidated drill was down 675 feet Saturday afternoon and working in hard sandstone.

The Mount Shasta people are again drilling on Sands Flats. They progressed over thirty feet on Wednesday of last week. They have passed through the first strata of sand rock and shell and are in blue shale. The new boiler gives all the steam required.

Strata containing oil was encountered Saturday at a depth of 107 feet in the Mt. Shasta well in the Sand Flats district. The drill on that day passed through seven feet of black bitumen shale impregnated with oil. Every time the bailer came up the oil was apparent on the surface of the water. Sandstone was then encountered and the drill was in

that formation Monday afternoon at a depth of 127 feet.

SAN BENITO.

At thirty-five feet the Hamiltonian Oil company had considerable oil in the well.

The Ashurst Oil company in the Vallecitos, is working night and day.

A depth of 930 feet has been reached by the San Benito County Oil company. The drill is now going through blue shale.

The rig of the Grant Oil company on the Topo, has been turned over to the company by the contractor. Drilling will begin at once.

The San Carlos Jr., Oil company will begin operations on its property just as soon as the teams can get their material on the ground.

The San Benito County Oil company is past the 900 foot mark and the drill is now in blue shale. Manager Lathrop expects to have the water shut off today.

In the Bitterwater district, the Dirigo and Nonpareil No. 2 rigs are making good headway. The Grant Oil company on the Topo will be drilling before May 1st.

The Nonpareil Oil people, who are boring at the Alvarez place in Bitterwater, are said to be negotiating for right of way for a pipe line to the railroad at King City.

The Cerro Bonito Oil Company, also located in the Vallecitos district, San Benito county, is making good headway toward commencing development work on its property.

Drilling was resumed on Monday of last week at the San Benito County company's oil well and the hole is down now over 900 feet. The drill is going through a new strata of shale, and it is thought the flow of water has been shut off

Indications being so favorable with the Nonpareil Oil company and the quantity of oil land in Bitterwater under the company's control justify the Nonpareil directors in making calculations for a pipe line to King city.

The Fresno-San Benito Oil company has shut down, owing to an injunction granted to a scripper. The company will put up bonds at once and go to drilling. The Fresno-San Benito has done three years required labor, and lately made actual discovery of oil.

The Hamiltonian Oil company of Vallecitos commenced drilling last week, and at seventeen feet struck oil sand; at twenty-five feet went into oil, and at thirty-five feet have quite a quantity of oil in the well. The showing, so far, is excellent, and justifies the stockholders in their expectations of a dividend paying property.

STANISLAUS.

Sand uncovered by a plow on the Camp ranch near Montpellier has been determined by San Francisco experts to be true oil sand and bearing oil. Seepage on the Warner ranch has been pronounced oil by like authority. Land is being bonded at the rate of $60 per acre by the speculatively-inclined, and in all likelihood a conceded expert will be on the ground before long to pass upon the oil indications.

VENTURA.

Hows Oil company has started drilling again. This company has been closed down for nearly three weeks.

Aquila Oil company, which has been operating in Garden tract, is now shut down pending repairs on machinery.

The Sobre Vista Oil company has a rig completed on the Hardison tract, and is just beginning spudding on its first well.

Memphi Oil company, on the Maddox tract, is just moving in a rig. They will soon begin spudding on No. 1.

Two other companies have purchased the Jones and Joseph Spect tracts and expect to begin development work in the near future.

S. P. Oil company is drilling on No. 3, which is located half way between Nos. 1 and 2. This company has drilled to the depth of 300 feet.

Langdall, Rowan & Newmark have just begun drilling on well No. 2. They drilled 1360 feet on No. 1 and then abandoned the hole.

Whidden-Double Oil company is now drilling on well No. 5, having sunk 200 feet or more. Wells 4 and 4 have proved to be good producers

The last well drilled by the Empire company is said to be the best in that field, producing at least seventy-five barrels per day.

Pure Oil company, on the Bishop tract is down 1060 feet and has a good showing of oil. The sand pumpings and tools are well sprinkled with oil of a light gravity.

Granger Tract company is arranging to put up a rig upon its property and will begin development work at once. This property adjoins the Empire Oil company.

YOLO.

T. L. Reed is authority for the statement that the Yolo Oil company expects to commence boring wells on their lands within the next sixty days, and will soon have a well boring outfit on the spot. Mr. Reed is now negotiating for the purchase of 14,000 acres of land near the Pace & Cramer tract.

KINGS'.

The Sanger Herald reports that the stockholders of the Flume City Oil company, a local corporation, received encouraging news last week. It was reported on what appears to be reliable authority that Spreckels struck oil at a depth of 1700 feet, but is going down at least 500 feet further before putting in an oil pumping outfit. As the Spreckels well is only a mile or two from the Flume City claims in the Devil's Den district, the Sangerites feel encouraged to begin drilling operations.

KERN.

The Elona Oil company is getting ready to begin work on a ten-acre tract on section 19, 28-28.

The DeGroot rig is still drilling on 33, in the Temblor, but so far no great amount of oil has been found.

The Rio Bravo, on section 8, 28-28, has the water shut off, with indications of a strike within the next 100 feet.

The Globe Oil company, which has been troubled a great deal by sand in the oil, has ordered a compressed-air pumping plant, to be erected on its property in section 50, 28-28.

On section 25, 28-27, the Provident Oil company has its hole with casing down 875 feet. It is expected the second sand will be entered with 9 5-8 inch casing.

Well No. 1 of the Linda Vista on section 29, 28-28 is now being perforated and gives evidence of considerable richness.

The McKittrick Oil company of San Francisco is getting ready to drill in the flat on section 7 at the new terminus of the railroad.

GREAT INCREASE IN USE OF FUEL OIL.

On Monday the Supervisors of this city passed for printing three resolutions. One grants the Tubbs Cordage company permission to erect and maintain an oil tank, having a capacity of 15,000 gallons, at its works in the Potrero for the purpose of storing crude oil or petroleum to be used in making steam. Another grants the Mantel Poyer company similar permission to maintain a 5,000 gallon tank at its premises on Fremont street, while the third grants the Market Street Railway company permission to maintain six 30,000 gallon tanks at its various power houses in different portions of the city. In addition to these great companies Mr. H. T. Scott of the Union Iron Works states that contracts have been closed for this company to put in oil in place of coal fuel. It is reported that the change will be only partial until the question of economy and efficiency is settled.

Paraffin Oil
Colusa County

Colusa Consolidated Oil and Refinery Co.

Offers a block of 20,000 shares at 50 cents per share. After this sale the price will be advanced to $1 per share. With 4414 acres, low capitalization, cheap transportation (7 miles to railroad, 15 miles to tide water), paraffine oil worth from $4 to $8 per barrel, you are offered a safe, sure and profitable investment.

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Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capitalization. Economical management.

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THE CHEHALIS OIL & MINING COMPANY

will operate on 2060 acres in Colusa County adjoining the Gibson Gusher. They offer the greatest possible returns to investors of any company in California. Crude oil actually worth $6 per barrel has been found. Stock is absolutely non-assessable. A limited amount is now offered at a ground floor price.

For map, prospectus, etc., call on or address
THE CHEHALIS OIL & MINING COMPANY.
232 Montgomery St., San Francisco.

15 CENTS

Is the price per share for our stock, which is non-assessable. Our lands, nearly 200 acres just outside the city limits of Los Angeles, a portion of which is proven oil land, with wells put a few hundred feet distant. Our derrick is up. Drilling to commence soon. Stock now 15c. Will advance when a limited amount is sold. Buy now. Good agents wanted.

DOMINION CRUDE OIL COMPANY.

Rooms 6 and 7, 8th floor Mills Bldg., San Francisco.

The McKittrick No. 1 is down 650 feet with 11¼ casing.

The I. X. L., on its twenty acres on 7, 11-23, has ordered a rig.

The Kern Crude at Midway has its men on its property, and is building its rig.

Eckstrom & Co. have sold the Eastern Star 100,000 feet of lumber.

The Star Oil company of West Virginia, on section 11, 30-21, has its region place and will begin drilling the first of this week.

The suit of C. A. Queirolo, administrator of the estate of the late Joseph Queirolo, against the North Buena Vista Oil company, to quiet title to valuable oil lands was dismissed on motion of the attorney for the plaintiff.

An agreement for the sale of property valued at $40,000 between the Standard Oil company and R. K. Howk and F. H. Davis has been placed on file. The land will change hands provided oil is produced in profitable quadtities in a given time.

LOS ANGELES.

The Pacific King Oil company has been drilling No. 1 at Newhall for seven months and is down 1412 feet. They will sink to the depth of 1600 feet if necessary.

New Century Oil company, in Newhall, is down 250 feet on No. 3. It struck oil at 750 feet on No. 1, but abandoned No. 2 at a depth of 1000 feet.

Chehalis Oil & Mining Company.

Don't imagine fuel oil is the only kind produced in California. Lubricating oil actually worth $6.00 per barrel in its crude state has been discovered in Colusa county. This section is about to be exploited by the Chehalis Oil & Mining company, a substantial corporation just organized, who will operate on their 2000 acres of valuable oil land lying along and around the head of Sulphur creek. This section offers the greatest possible returns on an investment of any in California, on account of the high quality of its oil which has the world for a market with scarcely any competition. The Chehalis lands are on the oil belt and adjoin the Gibson strike. The Jones' land has one of the largest natural gas springs in California which gives off a strong odor of petroleum. This valuable land is leased to the Chehalis company and is supposed to cover a large basin of petroleum. Intending investors will make no mistake by investigating the Chehalis Oil & Mining company.

Union Oil Reorganized.

The United Petroleum Oil company which own 26,941 and a fraction shares of the stock of the Union Oil company, is to be disorganized, and the Union stock will be distributed among the stockholders, giving 1.83 shares of Union for each share of United Petroleum. The United Petroleum has had about 54 per cent of the stock of the Union, thereby controlling the management of the latter. With the disbanding of this company, the small holders in the Union will have a more important voice in its control.

The Usona sold most of its issue of 50,000 shares before the prospectus was issued, and is now selling a second issue at an advanced price.

Mr. Frank P. Frame, who is connected with the Rockefeller Oil company and who is at the present time in El Paso, Texas on business connected with the Rockefeller Oil company will leave for Pittsburg, Pa. the early part of next week to confer with the Eastern shareholders and complete the necessary arrangements upon the sinking of the first well upon the Rockefeller Oil company's property.

Outlook at Sunset.

Mr. Carroll N. Beale, the president of the Sunset Railway company, was in town a few days ago with the documents showing that contracts are completed between the Southern Pacific, the Santa Fe and the Sunset Railway company for the immediate commencement of work of the construction of the road from Bakersfield to Hazelton, being located at the refining plant in the center of the field. The entire material (rails, ties, etc.) is on the ground, and within the last few days the working camp has been located near Gosford, the junction point of the McKittrick branch of the Southern Pacific road.

The main system of the Hazelton water pipe has been laid through the district and the pumping works at the town site of Hazelton, and running northwest diagonally through the districts following the line of developments and the different drilling rigs for a distance of about six miles, according to the Post. The machinery is working to great satisfaction, and every drilling rig that desires water now for its spudding is being supplied without any delay, ample water having been developed in the artesian wells for this purpose.

Reed Crude Dividends.

An important meeting of the Reed Crude Oil company was held in this city yesterday, and as a result the company has announced that, commencing April 1st, a dividend of 2½ cents per share will be paid monthly. The books of the company will close on the 25th inst., and all transfers must be made before that date. The options given some time ago on some of the choice holdings in the Kern River field have expired, and the land is now in the market for sale. One of these options covered property valued at $1,200,000, and it is reported that the syndicate who put up $25,000 to hold the land until they could interest eastern capital were unsuccessful, and the money they put up was forfeited. At the meeting yesterday, W. S. Porter, W. C. Price and E. R. Reed were appointed agents to sell the laud.
L. A. Herald

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Investments placed with this company have greater earning capacity than by any other method. Your money is always subject to withdrawal and the profits all paid in cash as earned, less a small commission which we retain for services.

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$25 TO $5000 received for investment and a settlement every month. The methods adopted by the company have stood the test of time and we are indorsed and heartily advocated by the most reliable business men, financial institutions and newspapers throughout the country.
Investors will do well to investigate the opportunities presented by this company before buying oil stock or placing their money.

Standard Oil Promotion and Investment Co.

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Elegant Souvenir Views of California Oil Fields, Free for the asking.

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Involving out-and-out concession of Petroleum and Coal Lands from a certain Government.

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Pacific States Mining & Investment Company

326 Post Street, San Francisco

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, March 27:

ÆTNA.

600 at	19	114 00
500 at	18	900 00

AZTEC.

300 at	1 70	510 00
100 at	1 75	175 00
100 at	1 72½	172 50
50 at	2 00	100 00

BEAR FLAG.

500(Cash)at	14	60 00
1500 at	15	255 00
200 at	16	32 00

BLUE GOOSE.

100 at	2 50	250 00

BLACK JACK.

100 at	1 00	100 00

CARIBOU.

300 at	70	210 00
100 at	69	69 00
100 at	61	61 00

CALIFORNIA STANDARD.

2500 at	52	1300 00
1600 at	53	848 00
1500 at	54	810 00
1000(S10) at	53	530 00
1000(B30) at	53	530 00
1000(B30)at	54	540 00
1000 (B30) at	55	550 00
8100 at	55	4345 00
3700(B 30) at	56	2072 00
1000 at	56	560 00
100 (S 90) at	50	50 00
1000 (B30) at	51	510 00
12000 at	50	6000 00
4200 at	48	2016 00
1500 at	49	735 00
300 at	45	135 00

EL ORO.

500 at	50	250 00

FOUR OIL CO.

1000 at	57	570 00
200 (B30) at	57	114 00
400 at	55	220 00
100 at	54	54 00
1400 at	56	784 00

GIANT.

1000 at	60	600 00

HANFORD.

1 (S10)at	98 00	98 00

HANFORD-FRESNO-KERN RIVER.

100 at	19	19 00
1200 at	20	240 00
100 at	21	21 00

HOME OIL.

600 at	4 00	2400 00
50(B 30) at	4 00	200 00
250 at	3 95	997 50
100(S30) at	3 95	395 00
550 at	3 90	1745 00

INDEPENDENCE.

2650 at	18	477 00
500 at	17	85 00

JUNCTION.

800 at	64	512 00
600 at	65	390 00

KERN.

280 at	8 25	2310 00
130 at	8 00	1040 00
203 at	7 75	1573 25
130 at	7 87½	1013 75

LION.

4650 at	20	930 00
1000 (S 30)at	19	190 00
1000(S60)at	19	190 00
1000(S30)at	20	200 00
1100 at	21	231 00

MONARCH OF ARIZONA.

100 at	59	59 00
100 at	60	60 00
300 at	58	174 00
1100 at	57	627 00
2000 at	55	1100 00
700 at	56	392 00
200 at	54	108 00

MONTE CRISTO.

100 at	2 30	230 00
650 at	2 35	1527 50
100(S90)at	2 25	225 00
100(S 10)at	2 40	240 00
100 at	2 40	240 00

OCCIDENTAL OF W. VA.

100 at	57	57 00
250 at	60	150 00
500(S30)at	55	275 00
250 at	59	147 50
800 at	58	464 00

OIL CITY PET.

1000 at	31	310 00
2000(B30) at	31	620 00
1300 at	30	390 00
2000(B 30) at	30	600 00
2000 at	28	560 00
9000 at	27	2430 00
200 at	29	58 00

PEERLESS.

50 at	8 00	400 00
10 at	8 50	85 00

PETROLEUM CENTER.

8800 at	14	1232 00
10763 at	13	1399 29
1000(B 60)at	14	140 00
500(B10) at	14	60 00
1000(B 30)at	14	140 00

REED CRUDE.

6550 at	60	3430 00
6600 at	58	3828 00
1400 at	57	808 00
550 at	59	324 50

SAN JOAQUIN.

460 at	12 00	6420 00
50(B30) at	11 00	550 00
50(B30)at	10 00	500 00
260 at	9 75	2445 00
50(B60)at	10 00	500 00
50(S90)at	9 50	475 00

SUPERIOR

900 at	25	225 00

SACRAMENTO.

500 at	1 50	750 00

SENATOR.

200 at	1 75	350 00

STERLING.

200 (Cash)	2 40	480 00
400 at	2 40	960 00
250 at	2 37½	593 75
400 at	2 35	940 00
50 at	2 32½	116 25
250 at	2 20	550 00
100(B 60)at2	30	230 00
100 at	2 25	225 00
300 at	2 15	645 00
100(B60)at	2 25	225 00
600 at	2 10	1260 00
600 at	2 05	1230 00
100 at	2 00	200 00
200 at	2 02½	405 00
50(B30)at	2 05	122 50
100 at	2 07½	207 50
100 at	2 12½	212 50
200 Cash at	2 32½	465 00

TWENTY-EIGHT

600 at	1 65	3217 50
200 at	1 60	320 00
250 at	1 62½	406 25
200 at	1 55	310 00
100 at	1 45	145 00
50 at	1 47½	73 75
50 at	1 57½	78 75

WEST SHORE.

500 at	3 00	1500 00
200 at	3 10	620 00

WEST LAKE.

500(Cash) at	18	90 00

WOLVERINE.

200 at	1 30	390 00
300 at	1 25	375 00
200 at	1 20	240 00

Shares 139,787 Amount $94,328.54

Los Angeles Stocks.

Oil securities are again moving briskly in the southern market. The Los Angeles Stock Exchange reports for the week ending March 23, show a greater activity than has been recorded in some time. Prices are on the up-grade with an apparent tendency to reach their actual worth. It has been patent to many well informed oil men and brokers that the low figures which have prevailed recently have not been an accurate gauge of the intrinsic value of the stocks quoted. A dull market and the lethargy of buyers having the effect of forcing many gilt-edge securities down to figures below their real worth. The tendency of improvement in the local petroleum market has been one of the principal causes for the betterment in stock prices.

Last Saturday over 45,000 shares of oil stock went over the board at the single session of the exchange held on that day. Pacific Slope was the most active trader. Reed Crude has been in good demand at a slightly advanced figure, last Saturday's quotations closing at 52½c. West Lake has been making a steady gain and is now quoted at 19½c. Large holders, however, are waiting for better prices, so that limited quantities only are brought out by present bids. The last sale recorded for Senator was a thousand shares at $1.60. A few shares of Continental sold last week at 97c. United Petroleum has made a further gain of about $4.50. The last sale of ten shares brought $122.50 per share. Uncle Sam appears to be regaining some ground, lost in the recent break. Bids of $1.70 have failed to bring out any Aztec.

Among the mining stocks, Queen of Arizona has been moving at 27c. Arizona Giant is apparently in some demand, bids of 40c failing to result in any sales.

Unlisted oil stocks are again active on the curb and in the offices. This class of securities always reflects the condition of the listed market. Active board trading always produces a better demand for prospective stocks. Sunset Consolidated is moving again at better figures.

Generally speaking the market is stronger than it has been for some time.

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160 Acres in Fresno County.

Near Famous Panoche and Contua Districts.

CAPITAL STOCK $200,000. PAR VALUE $1 per shar

10,000 SHARES NOW ON SALE AT 25 Cents, FOR DEVELOPMENT PURPOSES ONLY.

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SAN FRANCISCO, CAL.

Oil Companies Incorporated.

Argus Oil company Principal place of business Pasadena Directors J Devlin, P M Green, G P Kernaghan, A McNally and A H Sellers Capital stock, $100,000; subscribed, $16,400

San Antonia Oil & Development company Principal place of business, San Francisco Directors, J H Hallett, W A Kenney, C A Shurtleff, C F Mallett and W H Griffith. Capital stock, $250,000; subscribed, $25.

Olney Petroleum company. Principal place of business, San Francisco Directors W H Humphrey, P J Kennedy J J McEwen C W Pope, T G Parker, E Ewald and E J Rooker. Capital stock, $400,000, subscribed, $35.

Bald Eagle Oil company (Consolidated). Principal place of business, San Francisco Directors, N K Masten, C H Phillips, W B King, E H Winship and W Lange. Capital stock, $300,000; subscribed, $50

Argonaut Oil Development company. Principal place of business, San Francisco. Directors: B R Keith, S McCartney, J I Dimond, C F Sawyer, C Branagan, O E Johnson and J J Scrivner. Capital stock, $500,000; subscribed, $480.

Yellowstone Oil company. Principal place of business, San Francisco Directors: J Daniels, C H Atkins, T S Molloy, A L Piper and W C Leavitt. Capital stock, $300,000, subscribed, $25.

Edna Oil company. Principal place of business, San Francisco Directors, D Porter, T C Glover, C G Lyman, E Boesch and C W Kelly. Capital stock, $500,000; subscribed, $25.

Wyoming Illuminating company Principal place of business, San Francisco Directors: A A Baxter, E L Climer F W Warren J E Mills and B Cornwall. Capital stock, $500,000; subscribed, $5.

Visalia Midway Oil company. Principal place of business, Visalia Directors: W R Stuck, Z T Witten, H M Hunter, S B Patrick and F H Hall. Capital stock, $500,000; subscribed, $10.

Pine Mountain Oil & Development company Principal place of business, Los Angeles. Directors: O Stienne, H Ross, E Kircuner, F Odema C Trappe, G Wucherer and H Barthlowski Capital stock, $500,000; subscribed, $700.

Eureka Consolidated Oil company. Principal place of business, San Francisco. Directors: J Le Blanc, C Dunphy, M K Miller, S W Knapp and L Bazet. Capital stock, $60,000: subscribed, $25.

Safety Oil company. Principal place of business, Oakland. Directors: G E Brinkerhoff, E Lienhardt, M V Cooley, W F Williamson, G L Curtis; F M Umfred and W W Whitman. Capital stock, $300,000; subscribed, $7.

Reward Oil company. Principal place of business, San Francisco Directors; J B Treadwell, P E Bowles, F W McNear, W H Chickering and C C Boynton. Capital stock, $100,000; subscribed, $250.

Roberts Oil company. Principal place of business, Sanger. Directors: J A Roberts, D H Lafferty, M S Rose, J D Stratham and L McLaughlin. Capital stock, $300,000; subscribed, $16,500.

Esperanza Oil company. Principal place of business, Corona, Riverside county. Directors: T P Drinkwater, W D Grow, W L Brown, A Bills and A M Phillips. Capital stock, $500,000; subscribed, $5000.

Oil Spring company. Principal [illegible]iness, Bakersfield. Directors: C [illegible] Miller, M Starling, C B Russell and E H Bentley. Capital stock, $500,000; subscribed $500.

McKittrick Oil company. Principal place of business, San Francisco. Directors, A D Sheppard, S Newman, B Bienenfeld, J T Minson and J Newman. Capital stock, $500,000; subscribed, $500.

Kern Oil Development company. Principal place of business, Los Angeles. Directors: T E Gibbon, B Erkenbreche, J Norton, W S Collins, A Prenzlauer, G Ward and H C Foster. Capital stock, 250,000; subscribed, $100,002.

Shale Mound Oil company. Principal place of business, Selma. Directors: J R Baird, Jr, W S Van Emon, J W Brown, G F Otis and R P Morrow. Capital stock, $400,000; subscribed, $208,000.

Oxnard Oil Development & Transportation company. Principal place of business, Los Angeles. Directors: F O Engstrum, F E Engstrum, A Gourley, F N Drake and J W Rennells. Capital stock, $500,000; subscribed, $5.

ARIZONA COMPANIES.

The following companies have filed articles of incorporation in the office of the county recorder:

Norman Oil & Development company. Capital stock, $300,000. Incorporators, James F Norman, C B Rode, J A Mathis, E A Mock and H W B Taylor, all of San Francisco.

Safety Oil company. Capital stock, $300,000. Incorporators: Percy Young, S L Potter and W D Hardy and fourteen others, all of Oakland, Cal.

Newhall Consolidated Oil company. Capital stock, $600,000. Incorporated by F G Baker, Charles E Hale and F H Foote of Alameda; A H Castle, A E Castle, F K Lane, of San Francisco, and Frank Reese of Los Angeles.

Sultan Oil company. Capital stock, $500,000. Incorporated by E H Aigeltinger, C F Kapp, Henry C McPike, C H Inman and W C Carpenter, of San Francisco.

Commercial Oil & Realty company. Capital stock, $1,000,000. Incorporators: W D Lawton and H A Gale San Francisco; N S Farley, Oakland; F B Granger, Alvarado, and H P Thrall, Berkeley.

Humboldt Paraffine Oil & Development company. Capital stock, $400,000. Incorporators: O H Packer, H H North, Paul McDonald, M F McShane and H E Monroe of San Francisco.

Rival Oil company. Capital stock, $500,000 Incorporators: J C Skinner, William H T Osmin, J F Barnett, C J Vath, M A Lobac, S Nicholls, W N McCarthy, San Francisco.

California Oil Syndicate. Capital stock, $500,000, Incorporators: J C C Price, R F Fullington, R Maiben, H S Bridge, J L Tisdale, San Francisco.

Iroquois Oil company. Capital stock, $500,000. Incorporators: Thomas H Guptill, D O Castle, L A Ross, W G B Lee and George F Shelton of San Francisco.

Victoria Oil company. Capital stock, $300,000. Incorporators: J S Potts, J A Logan, A W Furst, S Morganstern, C O Major, B S Chapiro and S P Terry of San Francisco.

SONOMA COUNTY.

Indications Favorable for an Oil Strike at no Great Depth.

San Francisco, Mch. 20, '01.

Editor Pacific Oil Reporter: Some few weeks ago I visited Sonoma County for the purpose of seeing if the oil indications could warrant prospecting and boring for oil. I found that the country from about one mile east of Santa Rosa, thence southeast about fifteen miles, thence east to Sonoma City, then back through Glen Ellen and following the railroad to be very rich in oil sand, shale, and conglomerates. This includes the country known as Old Sonoma Mountain, on the north and east slope of which I found some traces of bitumen and oil, and in fact some oil in the wells, especially in that of W. H. Thompson. If one cares to go up from the road into the hills you will see evidences enough to cause an oil man to wonder why capitalists have not got hold of this property before, for there is surely every evidence of oil in large quantities there. In the bare face of the hills oil shale crops out and small seepages exist, and I consider that it offers the very best inducements to prospect some, and it won't be long ere Old Sonoma Mountain will have many derricks covering it. The part from Clark's, past Thompson's and Brunning's to Kennedy's is alive with oil.

Yours very truly,
J. T. Caldwell

Shasta County Oil Notes.

The reports from the Shasta Consolidated well near Bella Vista are very encouraging. During the past week 250 feet were sunk in three days. On Friday last the well was down 500 feet and being the first well in this new territory it is interesting to note the narrow strata passed through.

Feet. 1 to 27, Cobbles.
" 17 to 80, Quicksand.
" 30 to 89, Lava cement.
" 89 to 105, Pipe clay.
" 105 to 185, Blue clay.
" 185 to 187, Limestone.
" 187 to 445, Blue shale.
" 445 to 500, Sandstone.

At the contact between the blue shale and sandstone salt water was encountered in such abundance, that the well in a short time filled up to within fifty feet of the top, which rendered drilling difficult. Below 500 feet the drill is in blue shale. Casing has been put in to the bottom of the well to the lowest strata of shale, shutting off the water.

The Keswick Crude Oil company is selling stock rapidly. 31,000 shares had been sold previous to the meeting of the board of directors on Friday last at which time eight members of the board decided to buy $250 of stock each. This company is now in a position to sink a well, which will be done at an early date.

There is no branch of commerce that has been so seriously modified locally within the past twelve months as coal; this has been brought entirely by the discoveries of fuel oil in several counties in our State. If the reports emanating from the newspapers and interested promoters could be verified, the oil output would be double our requirements, but actual facts will prove that facts and figures, are about as one is to four.

Normal Oil Co.

Incorporated December 13, 1900, under laws of Arizona.

STOCK NON-ASSESSABLE

720 acres of land in the heart of the Oil Belt in Monterey county.

WE ARE NOW DRILLING

For a short time only sale of Treasury Stock will be continued at 15 cents a share.

WE INVITE INVESTIGATION

Send for Prospectus and full information. Liberal commissions to responsible and energetic agents.

NORMAL OIL COMPANY

363-364 Parrott Bldg., San Francisco

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If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

LAW OF LIEU LANDS.

Provisions For Securing Land Without Homestead or Mineral Entry.

Any land that is not strictly agricultural in its character—such as grazing land, timber land, or land on which average crops cannot be raised by the ordinary process of tillage on over one-half its area—can be taken as lieu lands without any residence thereon, in quantities from 50 acres to 640. And where small lots are created by bordering on a grant or on the ocean, or in any other manner, less than forty acres can be taken. The law on the subject is as follows:

By the 6th section of the act of Congress of March 3, 1853, (10th statute at large, 240) there was granted to the state of California every 15th and 36th sections of land in the state for the purposes of public schools in each township.

This grant excepts lands reserved by competent authority, and lands claimed under any foreign grant or title, and mineral lands.

The 7th section of said act provides: That where any settlement, by the erection of a dwelling house, or the cultivation of any portion of the land shall be made upon the sixteenth and thirty-sixth sections, before the same shall be surveyed, or where such sections may be reserved for public uses or taken by private claims, other land shall be selected by the proper authorities of the state in lieu thereof, agreeably to the provisions of the act of Congress approved on the 20th of May, 1826, entitled "An act to appropriate lands for the support of schools in certain townships, and fractional townships, not before provided for," and which shall be subject to approval by the Secretary of the Interior. * * * (10th statutes, 247.)

The act of May 20, 1826, referred to is the 7th section of above act of March 3, 1853, was passed for those states where only section 16 was granted in each township; (4th statutes, 179) but, as both sections 16 and 36 in each township were granted to California, Congress passed the act of February 26, 1859, as follows: "That where settlements, with a view to pre emption have been made before the survey of the lands in the field which shall be found to have been made on section 16 or 36, said sections shall be subject to the pre-emption claim of such settled; and if they, or either of them shall have been or shall be reserved or pledged for the use of schools or colleges in the state or territory in which the lands lie, other lands are also hereby appropriated in lieu of such as may be patented by pre-emptors; and other lands are also hereby appropriated to compensate deficiencies for school purposes, where said sections 16 or 36 are fractional in quantity, or where one or both are wanting by the reason of the township being fractional, or from any natural cause whatever: Provided, that the lands by this section appropriated, shall be selected and appropriated in accordance with the principles of adjustment and the provisions of the act of Congress of May 20, 1826, entitled "An act to appropriate lands for the support of schools, in certain townships and fractional townships not before provided." Approved, February 26, 1859. (11th statutes, 385. Chap. 58).

On February 28, 1891, Congress passed the following addition to the lieu land laws: "When the 16th or 36th sections, or any part thereof, is mineral land, or where they are in any Indian or military reservation, or where said sections are fractional, or where the township is fractional and loses either the 16th or 36th section, then in any of these cases the state gets lieu lands as indemnity."

From the foregoing it will be seen that the State of California is entitled to every sixteenth and thirty-sixth sections of land in the state for school purposes, as soon as they are surveyed ("created"), (29th Cal. 325) and if found clear when surveyed, the title to these sections vests absolutely in the state; but, if these sections, or any part of them, are lost to the state for any reasons heretofore named, the state is entitled to select other lands in lieu thereof.

Owing to the scarcity of these lands for which indemnity has been recently obtained, these indemnity locations have been controlled by few persons.

The modus operandi is as follows: A person desiring to locate a tract of land applies to a person dealing in these locations. A legal application is made out for forty, eighty or 160 acres of land in lieu of the same number of acres lost to the state in some of the ways heretofore named. This application is sent to the state surveyor general, who sends a copy of it to the United States land office of the district in which the lands are situated. This is made a matter of record in said land office, and a copy of the same is forwarded to the commissioner of the general land office at Washington, who examines it, and if the land applied for is clear, and the state is entitled to indemnity for the land applied for, the commissioner approves of the selection and sends his approval to the register and receiver of the proper district. On forwarding to the state surveyor general a copy of the commissioner's approval of the selection, the state issues its certificate of purchase to the applicant, and when the secretary lists the location to the state under the act of congress of August 3, 1854, heretofore quoted, the surveyor general issues a patent to the purchaser from the state.

In order to apply to purchase such tract of land the applicant must at the time he applies, designate to the state surveyor general what land he asks it in lieu of, what piece of land the state has lost and by which loss he now seeks to take this piece of land as indemnity for. This is what makes these lands command the figures asked by the locators at present, $4 per acre. The knowledge as to what lands the state is losing as mineral, as reserved by government, as fractional and as totally wanting, is acquired only at great expense and much labor. Records of all the proceedings of lands located at Sacramento must be kept up and the locator must be ready at a moment's notice to furnish the party desiring lieu lands locations with a list of losses to the state of an equal number of acres. These records changing daily and embracing a list of all the lands so lost to the state in a state as large as this are very costly and expensive to keep in shape. A loss to the state of any part of a 16th or 36th section in the whole state can be used as indemnity for locating land our county. If one applies to the surveyor-general to locate 160 acres as lieu, he will ask: "In lieu of what; where is the loss you furnish as a basis"? When an honest settler desires to add to his land another piece beside it as lieu land, without residence or occupation, and he employs a party to locate it who can immediately select the basis, and the land is secured by patent to the settler, we conclude, after our examination, that the locator is entitled to the amount he charges, over the state's price $1.25 an acre, for his knowledge, his research and his records. The settler gets his adjoining 40, 80 or 160 acres at less price than he can homestead it, build a house, plow part of it and reside there five years, or even fourteen months, and then pay for it.

Another Asphalt Lake Story.

A Sault Ste. Marie, Mich., dispatch quotes Thomas F. Drew, a Western mining man, who has been prospecting in the wilds of Canada, in what is known as the Upper country, as telling of an asphalt lake which lies over the divide toward James Bay. Mr. Drew says that a party of prospectors and an Indian guide were in a section of country beyond the Great Divide. The party had camped for a rest, and the Indian went in quest of game. He started up a fox at the same moment he was on the rocky rim of a good sized lake. The fox ran across the top of the lake splashing the water as he went. The Indian rubbed his eyes and sat down to ponder on things in general. He then went down to the lake himself and what Reynard could do he could do. It was an asphalt lake, and, being in the spring, had about an inch of water on it Efforts are now being made to locate the lake. —Pet. Gazette.

The Sunset Railroad.

Mr. C. N. Beal, president of the Sunset railroad, tells the Californian in a recent interview:

"Much of the material to be used in the building of the Sunset railroad has been laid away at Gosford for some time past. The balance required has been purchased and will be on hand when it is required. The great delay in building this line of road is attributable to the fact that if the local company had built the road in advance of closing arrangements between itself and the trunk line companies, the product of the Sunset oil field, than, which none in the state is more promising, would almost unavoidably have been handicapped in the general market by a local freight charge between the field and Gosford, whereas the arrangements made are such as in effect put the field upon a par with one traversed by both the Southern Pacific and the Santa Fe main lines.

Three Wells to Be Bored at Once.

The Kern Valley Oil company is inaugurating an aggressive policy for the improvement of their property. They have introduced an innovation by beginning boring three wells at once and will continue active work until oil has been struck and the pumps are working Aggressiveness will be the special feature of the company's program, and developing will be continuous until the Kern Valley Oil company is on a dividend-paying basis.

This method is meeting with commendation from investors and consequently large blocks of stock are being bought up. The large holdings of oil lands owned by this company in other districts of the state will be either sold or leased for developing purposes, and in fact negotiations are being entered into already by parties desiring to acquire certain portions of this property. The disposition of these lands will add a large revenue in the way of dividends to the stockholders, as they all participate alike in the profits derived from the Kern Valley Oil company's operations.

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

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HIGH CALORIFIC VALUES.

Results of European Experiments with Fuel Oil.

Col. M. M. Ogden, field expert of the Producers' Oil Exchange, has recently spent some weeks in the Colorado Desert and in other localities in Southern California where new fields are being opened up. Last week Commissioner Binger Hermann removed from entry over 80,000 acres in San Diego county on account of the mineral character of the land as testified to by Col. Ogden.

In an interview on the value of the liquid hydro-carbons as contrasted with other forms of fuel Col. Ogden says:

"One of the potential problems connected with the oil industry that demands immediate solution is the securing of the highest thermal efficiencies from our oils. As a general rule our consumers to-day are not obtaining all of the obtainable heat units from the liquid hydro-carbons. As a matter of fact a result of the evaporation of twelve pounds of water to one pound of oil at 212° Fahr. is considered an effective efficiency among most consumers.

"The question of using liquid hydro-carbons in a practical way of course is essentially a new one to our California oil consumers, as we are only in the infancy of this great and growing industry. For that reason, we should profit by the practical results which have been obtained in Europe, among the varied industrial interests on that side of the water, as well as strive to reach the results which have been achieved by recognized fuel specialists. Most of the trouble with our present appliances for utilizing liquid hydro-carbons is due to imperfect combustion resulting from the use of crude appliances for feeding the oil in the furnace. I will give a number of results which have been obtained in Europe: Mr. Harrison Aydon, of the firm of Wise, Field & Aydon, by using a mixture of petroleum, air and superheated steam, evaporated, under ordinary circumstances, twenty pounds of water from and at 212° Fahr. per pound of fuel. The best result obtained by this gentleman was the evaporation of 28.9 pounds of water per pound of fuel at 212° Fahr. Williams and Clark, another well-known engineering firm, obtained an evaporative power, under one atmosphere, from and at 212° Fahr. of 20.50 pounds to one pound of petroleum. The petroleum in this instance was of .884 specific gravity, that is to say 35° Baume. This same gentleman taking the mean of 98 samples of good English coal under the same general combustion considerations obtained an evaporation of 14.61 pounds to one pound of oil.

"The Russians have been using liquid hydro-carbons in a practical way for two decades or more, and they have obtained very substantial results in the evolution of heat units economically. The following extracts are reliable and taken from the practical working experience of one of the leading Russian railroads:

GRAZI AND TSARITSIN RAILROAD.

Gross Load	Train Miles	Fuel	Consumption per train mile	Cost fuel per train mile
480 tons	194	Bituminous	72.598 lbs	10.599d.
480 "	194	Petroleum	31.459 "	3.539d.

Fuel	Price of Fuel
Bituminous Coal	27s. 3d. per ton
Petroleum Refuse	21s. per ton.

"Admiral Selwyn of the British Navy and Engineer E. N. Henwood obtained some very remarkable results in the combustion of petroleum at Griffith factory, Victoria Park, London. They used the Cornish boiler and built a fire brick combustion chamber inside the flue and evaporated 46 pounds of water per pound of oil consumed. Mr. Henwood subsequently on the steamer Ryde, 120 tons and 100 h. p., obtained the evaporation of 41 pounds per pound of oil. These high thermal efficiencies were, I am satisfied, obtained by using superheated steam in the combustion chamber. I am convinced, as a result of personal experiment, that by the disintegration of steam used in the injector into two parts of hydrogen and one of oxygen, that our California consumers of oil will be able to obtain equally efficient results. The nascent hydrogen freed from the steam will combine with the carbons not taken up by combined hydrogen in the oil, and with the consumption of the gaseous hydro-carbons they will be enabled to reach the highest thermal efficiencies.

"The effect of thought at the furnace door will be a material reduction in the amount of oil used to obtain a certain equivalent in heat units and this materially means an added advantage to our consumers in the matter of cost. I have not touched on the other extrinsic advantages to be obtained by the use of liquid hydro carbons in the way of uniform steaming power, cost of firing up, lack of ashes, etc., as our manufacturers who use oil are familiar with them.

"I am satisfied that within a few years nearly every railroad in the United States will be using our fuels, and all apprehension of an over production is simply unfounded when we consider the steadily growing demand for our liquid hydro-carbons on this coast. This demand will increase with the inevitable expansion of our manufacturing industries, and this expansion will surely come when we consider the geographical disadvantage of eastern manufacturers when they are brought face to face with our cheap fuel."

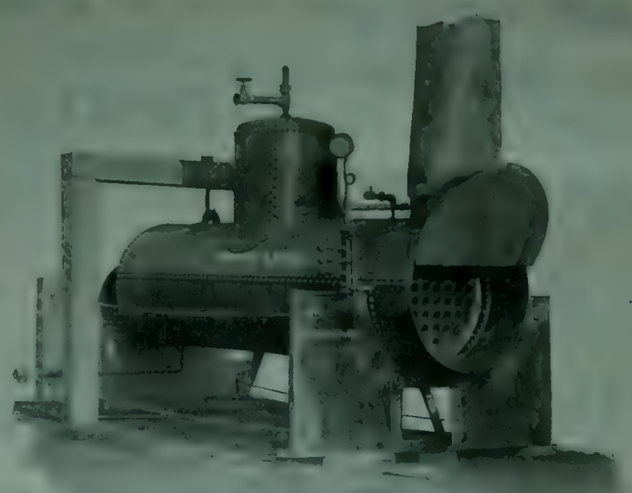
Another Texas Gusher.

A press dispatch from Dallas, Texas, say: Another wonderful oil strike was made at Beaumont on Tuesday equal to the famous Lucas well strike. The new well opened up this afternoon by a force of men drilling for the Southwestern Oil company of Corsicana, a concern closely identified with the Standard Oil company. It is located about one thousand feet to the north of the Lucas well. Oil was struck at a depth of 1,200 feet and a stream was shot into the air for sixty feet above the derrick.

The flow was stopped late in the evening. The output the first day was 10,000 barrels and the capacity of the well is conservatively estimated at 20,000 barrels a day. The oil is said to be of a much better grade than that of the Lucas well and is regarded as a good quality of illuminating fluid. The pressure is said to be greater than that of the Lucas well, indicating a larger flowing capacity.

Before buying Oil Stock or leasing or buying Oil Lands call on A. BARIEAU, Room 23 Columbian Building, 916 Market Street, San Francisco.

THE "HERRON SPECIAL" LARGE DOME BOILER.



In the California oil fields, desirable water for drilling purposes is very scarce, the quantity found usually being so full of minerals and impurities that it foams to such an extent that dry steam seldom reaches the engine; as a result, the ordinary drilling engine is working under a great disadvantage, as it is impossible for it to develop its full power and efficiency of action when water is drawn out of the boiler and carried through the engine, steam valve and cylinder. The large dome boiler overcomes, to a great extent, this serious problem as it furnishes sufficient storage capacity to guarantee dry steam. The "Herron Special" large dome tubular boiler is built especially and exclusively for R. H. Herron Company, who are extensive dealers in oil well machinery, tubular goods, tools, and supplies.

Another feature of this boiler is the longitudinal side seams made possible by constructing the boiler with two sheets; the side seams double riveted. The possibility of scale and dirt accumulation is reduced to a minimum, thus lessening the danger of burning the bottom of the sheet. There is no bottom seam to accumulate rust and sediment, which results in the leaky bottom so frequently found in the ordinarily constructed boiler.

These boilers are made of the best flange steel throughout; every plate has the maker's name stamped thereon and tested. They are supplied with the necessary castings consisting of the mud back, arch bars, combination oil and wood front, and grate bars, (the latter used only when burning wood for fuel.) By means of the construction of this iron front, the operator is privileged to burn wood until oil is discovered or desired for fuel, when by removing the grate bars and punching a hole through the door for the oil burner, the change is made from wood to oil as a fuel. The skeleton cut shows the details of all these points of convenience and practical value. The old saying that "the proof of the pudding is in the eating" is clearly demonstrated in the practical results obtained. By tests made in Kern County, three barrels of oil burned as fuel under the "Herron Special" large dome boiler has accomplished a result in power and efficiency equal to six barrels of oil burned as fuel under the ordinary small dome boiler. Dry steam and the tendency of the large dome boiler to fire easily is the secret of the results obtained. It is possible to cheapen or depreciate other materials and conditions, when undertaking to develop oil territory; but it cannot be disputed that the power is absolutely necessary, and if the boiler and engine are working under any disadvantages, the operations are handicapped from the beginning, and as the load is put upon them and more power required as the depth increases, development becomes slow, unsatisfactory and expensive.

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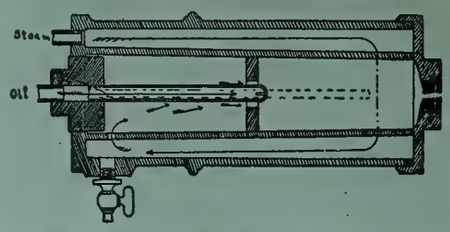

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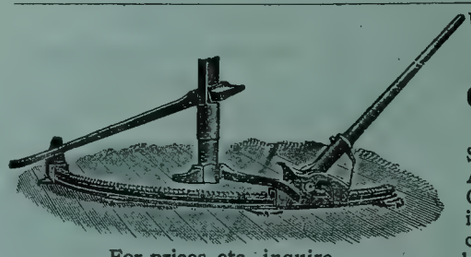

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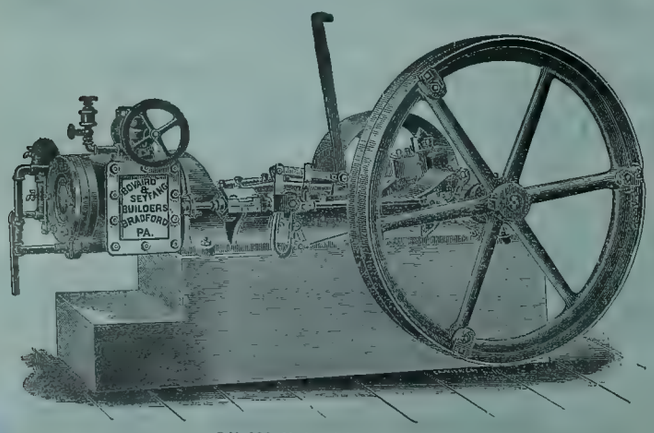

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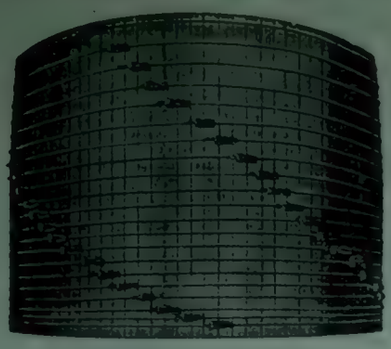

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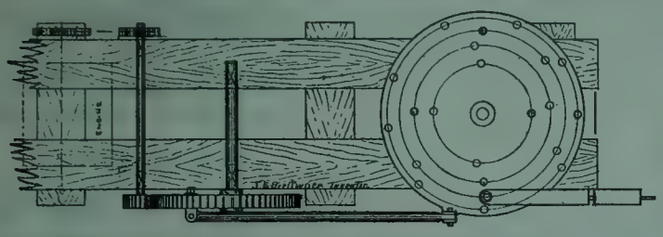

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Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

COLOSSAL OIL AND MINING COMPANY.
Capital.....$500,000
500,000 shares at $1.00 per share.
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice-president and manager, N. Hawthorne Spitzer, secretary and treasurer, A. W. Gale, superintendent of construction.
Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOLDEN REWARD OIL & DEV. CO
Capital.....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice president, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street. San Francisco, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; C T Henderson. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. 500,000 shares being sold at five cents per share; 2 wells drilling, 5 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

J S POTTS OIL, LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53. Thurlow block, 126 Kearny st.
Chicago office— Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000, Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MULBERRY OIL COMPANY.
Incorporated March 5, 1901, under the laws of the Territory of Arizona. Stock non-assessable. Capitalization $500,000 divided into 100,000 shares par value $5 each. This company owns 200 acres on the San Benito River in the San Benito district. Oil found in this district is of the best paraffine base. Officers—Edward Bowman, President; Richard Keller, 1st Vice-president; B. Struven, 2nd Vice-president; S. M. Snyder, Secretary and Treasurer; H. G. Davis, Attorney. Directors—Edward Bowman, Richard Keller, B. Struven, S. M. Snyder, H. G. Davis, C. M. Depew, M. B. Ryer. Offices—927 Market St., rooms 218, 219.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

PCINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000. Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer; I W Taber, President Taber Photo Co, Secretaary Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Buildlng, San Francisco, Telephone, Main 1765.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Coalkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No 17 Gaites block. Bakersfield. Cal.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn: C A Burchom, J H Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 22, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson; Maurice V. Samuels, Attorney; Union Trust Company, Depository. Office—321 Safe Deposit Building, San Francisco, Cal.

WILD GOOSE OIL CO,
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671

X L N T OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco, Cal

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Our derrick and bunk houses are finished and water pipe laid.

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200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

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400,000 Shares of Oil Stock

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CALIFORNIA OFFICE **ADAMS BUILDING,** 206 KEARNY ST.

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E. V. BUCKOW, President. R. D. HEALEY, Vice-President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository

——— The lands are located as follows: ———

Great McKittrick	320 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	240 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

Drilling on Section 10, Township 30 S, Range 21 E, McKittrick District, to be commenced early in March. This property is adjacent to the largest producers in the State.

We are negotiating for other approved Oil Lands, the leases of which are on file, with option clause to purchase.

The first block of stock is now exhausted.
The second block of stock to the amount of 100,000 shares is now selling at 50 cents per share.
The third block of stock to the amount of 100,000 shares will soon be on sale at $1 per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

GRAND PACIFIC OIL STOCK

Grand Pacific Oil Co.'s Well No. 1, Contra Costa County.

Best Investment On the Market

Absolutely Non = Assessable

Stockholders in the GRAND PACIFIC OIL COMPANY Possess three Extra Advantages:

FIRST—The stock covers 2627½ acres of the best oil land in five of the best oil districts, as follows: Sunset and McKittrick District, Kern County; Coalinga District, Fresno County; Kettleman District, Kings County, and Contra Costa County.

SECOND—Stock is absolutely Non-Assessable.

THIRD—Large Capitalization by which successful development in absolutely assured.

12,000 Shares Sold in One Day.

One hundred thousand shares sold in less than three months. Second 100,000 shares now selling rapidly at $1.00 per share; when sold 3rd 100,000 shares will be placed on the market at $2.50 per share

The officers of the company are all well-known business and professional men. A. G. Deardorff, President; J. M. Merrell, Vice-President; John Choice, Secretary; Wells-Fargo Bank, Depository; F. A. Berlin, Attorney; Franklin Person, Superintendent Agencies. Directors: J. M. Merrell, E. H. Baxter, J. A. Miller, John Choice, J. C. Sala, F. A. Berlin, R. L. Rigdon, A. G. Deardorff.

Office, Rooms 412, 413, 414 Parrott Bldg., SAN FRANCISCO. Tel. South 740.

T. E. Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

Endorsed by the California Petroleum Miners' Association.

VOLUME [illegible]

NUMBER 22

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, APRIL 5, 1901.

R.H. HERRON CO.
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Incorporated with a strong directorate under the laws of South Dakota Capital stock 500,000 shares. Par value $1 per share. 200,000 shares in the treasury. Stock non-assessable.

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in best districts: Kern River, Sunset, San Diego, Poso, Glenn County. Will have a drill going on the lands in thirty days. Two other wells contracted for. We own 2670 acres in the celebrated Cottonwood district, Kern Co., Cal. Oil lands for sale or lease on most reasonable terms.

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VOL. 2. NO. 22. SAN FRANCISCO, CAL., FRIDAY, APRIL 5, 1901. PRICE, TEN CENTS

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A Successful Apparatus for Consuming Fuel Oil.

Comparative Tests Made to Show Efficiency and Low Consumption of Oil.

The pioneer among local oil burners is the Wilgus, dating back to 1888, when it came into general use. This is a very simple apparatus, quite different in appearance from the Parsons and the Reed appliances well-known in the Eastern states for this purpose. The main features are an oil feed pipe discharging the oil by drops through three or more small connected perforations in the tip of a nozzle directly above a steam jet which is supplied from a steam feed pipe which surrounds the oil-pipe and discharges by a slot ¾-inch long and 1-32-inch in width. The nozzle is attached to the main feed pipes by an elbow, and the slot is cut in such a way that the mixture of oil and steam spreads out in a fan-shaped horizontal flame.

The steam enters from above through a T-joint which is coupled to a main feed by a quick adjusting union which permits the entire burner to be removed instantly or changed without allowing the steam to run down. Connected with the T is a by-pass furnished with a valve, by means of which a steam jet can be passed through the oil feed pipe for purposes of cleaning. The oil is forced from below by pressure and passes through a strainer, consisting of a sieve placed in a suitable box which is intended to intercept particles of dirt or foreign matter which might otherwise clog and interrupt the action of the burner. This is attached by another quick acting union to the T joint which opens into the oil feed pipe.

Under the existing local fire regulations oil storage tanks must be placed beneath the level of buildings, and consequently a pump and pressure tank are required to regulate the flow of oil. For this purpose Worthington's, Snow's, Dow's and other pumps are used, but it is claimed that only a light oil pressure of about twenty pounds is required with this burner.

A regulating device has been added, consisting of a set of connected levers which act simultaneously in opening or closing the valves regulating the oil and steam feed pipes. After adjustment these valves act automatically in regulating the supply. An over-supply of oil would fail to oxidize, and would consequently cause smoking, while too much steam will cause explosions and extinguishing of the flame. A butterfly damper has been connected with these levers for the purpose of shutting off the air supply with the same movement of the hand which shuts off the steam and oil, and this arrangement is now under experimental test at the California Street Railway in this city.

A statement published by some Eastern mechanical engineers claimed that it required from 14 per cent. to 15 per cent. of the water evaporated in a boiler to run oil burners. This prompted the engineer of a railway company to make a test with Wilgus burners (made at Seventh street and Grand avenue power-house in Los Angeles,) which showed the percentage to be only 3.07 per cent. The following is an account of the test:

Amount of water evaporated in main boiler, 114,604 pounds.

Amount of oil consumed under main boiler, 8,143 pounds.

Temperature of feed water supplied to main boiler, 185 degrees.

Water evaporated to one pound of oil, 14.08 pounds.

Water evaporated from and at 212 degrees, 15.76 pounds.

All the water evaporated into steam furnished the burners was fed through the auxiliary boiler, weighed and charged to the burners. Auxiliary boiler test:

Amount of water evaporated in auxiliary boiler to run burners, 3,520 pounds.

Amount of oil consumed under auxiliary boiler, 423 pounds.

Temperature of feed water sup auxiliary boiler, 113 degrees.

Water evaporated to one pound of oil (actual condition), 8.32 pounds.

Water evaporated from and at 212 degrees, 10.73 pounds.

Percentage of water used to run burners, 3.07 per cent.

Amount of oil consumed running burners at the rate of 14.08 lbs. of water evaporated to one of oil, 30.37 gallons.

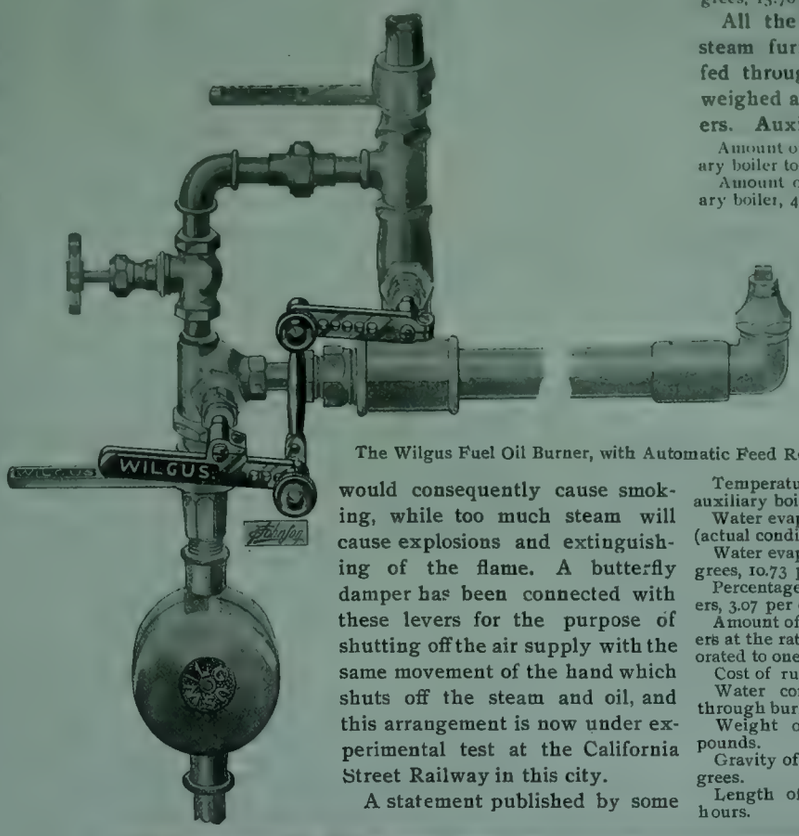
Cost of running burners, $1.47.

Water consumed per pound of oil through burners, .432 pounds.

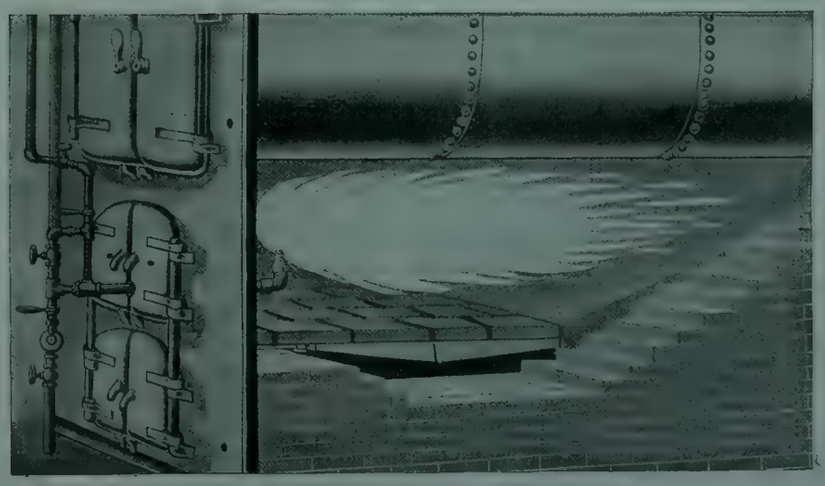
Weight of one gallon of oil, 7.062 pounds.

Gravity of oil (Baume Gauge) 24 degrees.

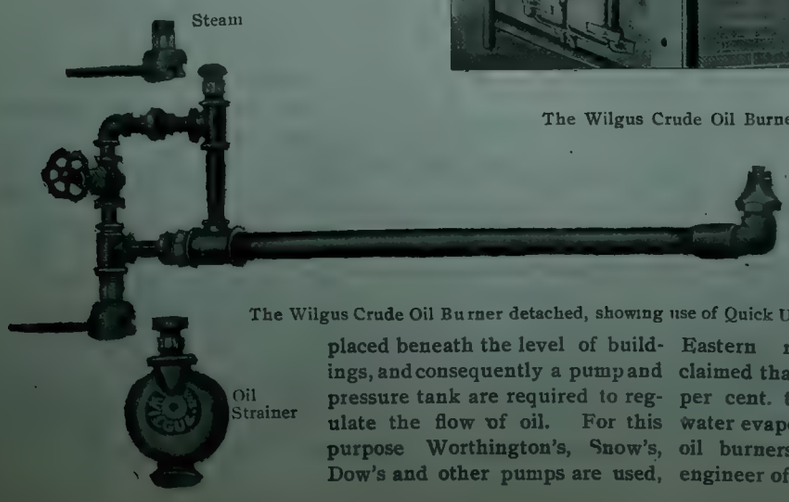
Length of test, seventeen continuous hours.



The Wilgus Fuel Oil Burner, with Automatic Feed Regulator.



The Wilgus Crude Oil Burner in Use under a Horizontal Boiler.



The Wilgus Crude Oil Burner detached, showing use of Quick Unions.

Between 3000 and 4000 of these burners are in use on this Coast Prices range from $18 for No. 0, of 2 to 5 H. P., to $50 for No. 4, 60 to 100 H. P. The cost of installation of a plant recently put in at San Jose was $500 for four boilers of 50 H. P. each.

Competitive trials have been given the Wilgus and Bocthe burners by the railroad companies, under the personal direction of the inventors.

SPECIFICATIONS OF IRON OIL STORAGE TANKS.

Capacity (Bbls. of 42 gallons each—about)	25	50	75	100	150	200	250	300	350	400	500
Diameter, in feet	6	8	9	9	9	14	14	14	14	18	18
Height, in feet	5	6	7	9	14	8	10	12	14	9½	12
Number of rings in shell	1	2	2	2	3	2	2	3	3	2	3
Thickness of 1st ring (B. W. G)	No. 8	No. 8	No. 8	No. 8	No. 7	No. 7	No. 7	No. 7	No. 7	No. 7	No. 6
Thickness of 2d ring	.....	" 8	" 8	" 8	" 8	" 8	" 8	" 8	" 8	" 8	" 7
Thickness of 3d ring	.....	.....	.....	.....	" 8	.....	.....	" 8	" 8	.....	" 8
Thickness of bottom	No. 8	No. 8	No. 8	No. 8	" 8	No. 8	No. 8	" 8	" 7	No. 7	" 7
Size of bottom angle iron, in inches	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2½x2½x5-16	2½x2½x5-16
Size of top angle iron, in inches	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼
Thickness of sheets for tight riveted roof	No. 12	No. 12	No. 12	No. 12	No. 12	No. 12	No. 12	No. 12	No. 12	No. 12	No. 12

Capacity (bbls. 42 gals each)	1000	2000	3000	4000	5000	10000	15000	20000	25000	30000	35000
Diameter, in feet	30	30	30	35	43	54	66	78	86	86	92
Height, in feet	8	16	24	24	20	25	25	25	25	30	30
Number rings in shell	2	4	5	5	4	6	6	6	6	7	7
Thickness 1st ring, B. W. G.	No. 7	No. 5	No. 3	No. 3	No. 3	No. 3	No. 3	No. 2	No. 1	No. 0	No. 00
Thickness 2d ring	" 8	" 6	" 4	" 4	" 4	" 3	" 3	" 3	" 2	" 1	" 0
Thickness 3d ring	.....	" 7	" 5	" 5	" 5	" 4	" 4	" 4	" 3	" 2	" 1
Thickness 4th ring	.....	" 8	" 6	" 6	" 6	" 5	" 5	" 5	" 4	" 3	" 2
Thickness 5th ring	.....	.....	" 7	" 7	.....	" 6	" 6	" 6	" 5	" 4	" 3
Thickness 6th ring	.....	.....	.....	.....	.....	" 7	" 7	" 7	" 6	" 5	" 4
Thickness 7th ring	.....	.....	.....	.....	.....	.....	.....	.....	.....	" 6	" 6
Thickness bottom plates	No. 7	No. 7	No. 7	No. 7	No. 7	No. 7	No. 6	No. 6	No. 6	" 6	" 6
Thickness sketch plates	" 7	" 7	" 7	" 7	" 7	" 7	" 6	" 6	" 6	" 6	" 5
Size bottom angle iron, in	2½x2½x5-16	2½x2½x5-16	2½x2½x5-16	2½x2½x⅜	2½x2½x⅜	2½x2½x⅜	3x3x⅜	3x3x⅜	3x3x⅜	4x4x½	4x4x½
Size top angle iron, inches	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x¼	2x2x⅝
Light nailed roof	No. 20	No. 20	No. 20	No. 20	No. 20	No. 20	No. 20	No. 20	No. 20	No. 20	No. 20
Tight riveted roof	" 12	" 12	" 12	" 12	" 12	" 12	" 12	" 12	" 12	" 12	" 12

THE MONTEREY STRIKE.

Present Prospects and Future Possibilities of the Coast Field.

Monterey county as a prospective oil field is now claiming the interest of many of the successful operators in this line, and is the scene of remarkable activity, writes J. C. Quinn in the Post. During the past four months eight standard rigs have been started up, and there are now fully a dozen more in course of construction. The shale bed in the southern part of the county, in what is known as the Bradley and San Ardo districts, is the most extensive found anywhere on this coast. The width at this point is fully thirty miles' gradually narrowing to the southeast, extending for a distance of twenty miles, then narrows to about ten miles, keeping its width for over sixty miles, disappearing in the ocean at Monterey bay. Throughout this bed the structure is conformable, and exposures made by the cutting through of the Nacimiento, San Antonio and Arroyo Seco rivers disclose a number of perfect anticlines which parallel each other for many miles, gradually merging together in the northwest.

The San Ardo anticlinal, commencing at a point about six miles southeast of the town of San Ardo, strikes in a northwesterly direction, and is distinguishable for a distance of about eleven miles. Upon this line there are numerous live seeps and extensive exposures of bituminous deposits. Rigs are at work on the eastern slope of this anticlinal on the properties of the Tomboy, San Antonio and San Ardo Consolidated Oil companies. The Normal Oil company is also on this strike about four miles southeast and within the axis of the anticlinal. The Tomboy at 1300 feet has pierced the oil-bearing strata, and has a flow of oil estimated to be from 75 to 100 barrels per day. The Bradley anticlinal, commencing at the town of Bradley, is plainly defined for a distance of eighteen miles to the northwest, and is richly marked by oil seeps and sulphur springs. A company lately organized is preparing to bore on this strike near the town of Bradley under the direction and supervision of State Mineralogist, A. S. Cooper.

The Miranda anticlinal, paralleling those above described, lies some three miles to the west. No external evidences of oil are discoverable along this strike, but the conformability of structure and geological conditions are such that Professor De Miranda, the world famous expert, pronounced it the choicest of ground and at the time of his death was preparing to invest his own money in its exploitation. This work has been taken up by the Mountain Chief Oil company, and the work will be diligently prosecuted. This anticlinal is traceable for about twenty miles from the Nacimiento river to the northwest. Two miles to the west is the San Antonio Anticlinal, plainly exposed by the Nacimiento and San Antonio rivers. This appears to be the deeper geologically, and the surface indications point to greater possibilities than are apparent elsewhere. This anticlinal is more clearly defined and has a greater length than any recorded in the United States. Commencing at a point about six miles west of Passo Robles, in San Luis Obispo county, its definition is marked unmistakably throughout to the Arroyo Seco river, fifty-five miles to the northwest.

At the exposures made by the Nacimiento, San Antonio and Arroyo Seco river, the sand rock defining the sides of the anticlinal are of unusual breadth. On the east they are bituminized and average about 300 feet wide; on the west they are fossilized with an average width of about 1200 feet. Wherever exposures are made, the shales within the axis of the anticlinal are profusely bituminized. On this strike are found the most favorable conditions, viz: bituminized sand feefs, sulphur springs, live oil seeps, and perfectly leached shales. The Nacimiento Oil company, operating on this line, is situated about one mile south of the Nacimiento river, in San Luis Obispo county, within the axis of the anticlinal, and at a depth of 500 feet has from the shale formation a seepage of about ten barrels per day; they do not expect to reach the sand until a depth of 900 feet.

To the northwest, on the south side of the San Antonio, the Great American Oil company is boring on the syncline and at a depth of 200 feet have seeps and strong indications of the existence of live oil in the bituminized rock lying about 500 feet to the west, and which they should pierce at about 750 feet. The White Oaks Oil company has just commenced operations about a quarter of a mile to the east, and should strike the oil sand at about 1000 feet. The Monterey Oil company, north of the San Antonio about one mile, is down 800 feet and has the most flattering indications of an early reward for their labors. No other operation is found on this line, until the Arroyo Seco is reached, and there the Salinas Oil company is down 250 feet, with live oil seeps beginning to show. This section is strongly marked and a perfect geological formation is apparent, accompanied by seeps, sulphur springs and leached shales. As a summary, I have no hesitation in asserting that in view of the late demonstration made by the Tomboy Oil company of San Ardo, and the Nacimiento Oil company, which practically settles the pertinent inquiry as to whether oil in this district would be found sufficiently liquid to flow in a well, that the belt described should be a most productive one. The conditions necessary to the production and storage of oil are apparent to the utmost limitation, and nature has proven its fidelity, as the front it presented would, in the absence of the discovery of tremendous oil measures, have been a deception.

OIL FOR GAS MAKING.

W. H. H. Hart Gives Further Particulars.

W. H. H. Hart has furnished the Californian with some additional details in regard to his plan of gas manufacture. In a recent interview he says:

"We shall be in a position to offer gas to the public at between $1 and $1.50," said he. "This will be equivalent to coal at $7 per per ton, a considerable reduction in household expenses, to say nothing of greater cleanliness and convenience. In all towns of 200 inhabitants we intend to erect gas works unless they already exist, and will do so anyhow unless the established concerns make use of our process. We estimate that this will call for the consumption of fully 3,000,000 barrels a year, thus becoming a source of profit to the producer in extending the market, and a benefit to the general public as well as providing a cheaper and better fuel for domestic purposes."

The new process requires nothing but oil for the production of the gas, one barrel being convertible into 4000 feet of gas and furnishing, in the residuum, the fuel necessary to bring it to the vapor state. The system is thoroughly practical, one plant having been constructed in Santa Clara and another now being in process of building at Palo Alto.

Comparative tests have been made of the utility of the several oils obtainable, with the result that the Kern River product is found to be the most valuable for heating purposes, a foot of gas made from it containing 19,000 heat units as against 14,000 contained in an equal amount of the Coalinga oil gas.

As an illuminant, gas made from the McKittrick district oil has not its equal in the state.

Texas Gusher Output.

The first approximate estimate of what the J. M. Guffey gusher, near Beaumont, Texas, could do if opened up was made two weeks ago, when the well was partly opened and let flow through a two-inch line into the tank cars. The flow was timed and in fourteen minutes it filled a tank car of 150 barrels. This, it was estimated, was at the rate of 15,000 barrels a day through a two-inch line, and gives some idea of the amount of oil that must have escaped through the six-inch casing before it was closed in.

KERN RIVER LOGS.

Reports From Companies Operating in 28-28.

A number of companies operating in 28-28, Kern River field, furnished for publication in a recent Mining Bureau Bulletin. The OIL REPORTER will be pleased to receive similar reports from companies that have struck oil.

REED CRUDE OIL COMPANY.

Sec. 34, T. 28, R. 28.

Drift	30 ft
Blue clay	384 "
Water sand	391 "
Blue clay	450 "
Dry oil-sand	475 "
Blue clay	500 "
Dry oil-sand	530 "
Blue clay	570 "
Oil-sand	643 "
Blue clay	658 "
Oil-sand	698 "

REED CRUDE OIL COMPANY.

Sec. 34, T. 28, R. 28.

Drift	25 ft
Blue clay	315 "
Brown sand	400 "
Oil-sand	480 "
Blue clay	495 "
Oil-sand	588 "

PETROLEUM CENTER OIL CO.

Sec. 8, T. 28, R. 28.

Drift	50 ft
Clay and sand	300 "
Oil sand	450 "

INDEPENDENT OIL & DEVELOPMENT CO.

Sec. 28, T. 28, R. 28.

Sand and clay	450 ft
Oil-sand	550 "

GARDNER OIL CO.

Sec. 26, T. 28, R. 27.

Sand and a few streaks of clay, water, and traces of oil	720 ft

COMET OIL CO.

Sec. 28, T. 28, R. 28.

Drift and blue clay	240 ft
Oil-sand	380 "
Cement	480 "
Oil-sand	720 "

CANFIELD OIL CO.

Sec. 29, T. 28, R. 28.

Drift and blue clay	250 ft
Conglomerate	300 "
Blue clay	360 "
Oil-sand	725 "

SACRAMENTO OIL CO.

Sec. 29, T. 28, R. 28.

Drift and blue clay	400 ft
Water-sand	500 "
Blue clay	515 "
Oil-sand	730 "

GRAVES OIL CO.

Sec. 29. T. 28, R. 28.

Drift, etc	380 ft
Dry oil-sand	450 "
Oil sand	520 "
Clay and shale	570 "
Oil-sand	620 "
Clay and shale	627 "
Oil-sand	710 "
Clay and conglomerate	714 "

GLOBE OIL CO.

Sec. 30, T. 28, R. 28.

Drift, etc	300 ft
Water-sand, blue clay, and dry oil-sand	550 "
Blue clay	380 "
Oil-sand	831 "

COMET OIL CO.

Sec. 30, T. 28, R. 28.

Drift and blue clay	390 ft
Water-sand	470 "
Blue clay	562 "
Oil-sand	962 "

CONTINENTAL OIL CO. OF LOS ANGELES.

Sec. 29, T. 28, R. 28.

Drift, etc	340 ft
Oil-sand	352 "
Oil-sand and clay streaks	800 "
Oil-sand, very rich	848 "

SPELLACY, WOOD & CO.

Sec. 30, T. 28, R. 28.

Oil-sand	700 ft

CENTURY OIL CO.

Sec. 24, T. 28, R. 27.

Drift and reddish sandstone	300 ft
Cemented sandstone	330 "
Brea	331 "
Blue clay and sandstone	400 "
Oil-sand	402 "
Hard-sand	452 "
Clay	472 "
Water-sand; unfinished.	

PETROLEUM CENTER OIL CO.

Sec. 24, T. 28, R. 27.

Sandy clay	200 ft
Soft sandstone	400 "
Clay, sand and water	775 "
Oil-sand, still drilling	

SHASTA OIL CO.

Sec 14, T. 28, R. 27

Volcanic ash	10 ft
Granitic sand	115 "
Blue clay and sand	170 "
Shaly, sticky clay	190 "
Coarse blue sand	200 "
Coarse sand and blue clay	270 "
Conglomerate, sand and water	470 "
Conglomerate and gas	515 "
Water-sand	696 "
Clay	710 "
Water-sand	750 "
Sticky clay and oil and much gas	760 "

Strike in Kern River.

A telegram was received last week from the field superintendent of the Rio Bravo Oil company, conveying the intelligence of a fine strike on their property on 8, 29-28, Kern River. This company was organized over a year ago and is a close corporation.

The company owns sixty acres in section 10, 29-28, Kern county, being leased with purchase clause. After the company was formed it was decided to pursue a conservative policy and not offer any portion of the company's stock to the public until it was first ascertained if oil in paying quantities was in sight. J. E. Gray, the contractor on the ground, apprises Mr. Graves that, judging from the conduct of the well so far, it is likely to prove one of the best in the district. The company has only 100,000 shares, and for the purposes of further development it is proposed to issue a limited number of shares to the public, and W. C. Graves, the attorney, whose office is at 402 Kearny street, has been authorized to issue the stock to investors.

The directors of the company are well-known men of integrity and business ability, which assures protection to the investor and a conservative management, which are leading features to be observed by them. The directorate is composed of M. A. de Laveaga, William Palmtag, George Dillman, George W. Clark and Senator Thomas Flint, Jr.

The Kern Oil Co.

According to a statement recently made by its secretary, the Kern Oil company owns in fee simple the southwest quarter of section 32, 28-28, upon which the company's plant is situated, consisting of three complete Standard rigs and one steel storage tank, capacity 36,000 barrels, besides other tankage to the amount of about 4000 barrels. The statement further recites: "We have in our tankage now about 20,000 barrels of the very best oil, and are filling contracts which aggregate us over $10,000 per month. The company also owns the northeast quarter of 22, 28-28, cornering with the above described piece. On this piece we have one good well, but at present are not drilling there. The company has contracted to sell the northwest quarter, and $5000 has been paid on this bargain, the sale being for $200,000, payment to be made from March to October of this year. Out of this sale we expect to make a dividend in March, when the first payment falls due."

The Esmeralda Oil and Development Company : :

CAPITAL STOCK 100,000 SHARES

PRICE PER SHARE - - - $1.00

We own 404 acres of the Choicest Oil Lands in the

Vallecitos District, San Benito County

We are now boring and rapid progress is being made. As our test well struck oil at 32 feet it assures our future.

FREE FROM DEBT AMPLE FUNDS

No Salaries paid to officers. Treasury funds to be used for development purposes only. Limited number of shares to be sold. Stockholders are fully guaranteed against loss.

H. S. Field, President. R. R. Haskell, Treasurer.
W. J. Whitney, Vice-President. Louis Hammersmith, Secretary.

DIRECTORS:

H. S. Field, W. J. Whitney, R. R. Haskell, Charles T. Behan, A. Kingsbury.

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STOCK NON-ASSESSABLE

Incorporated under the laws of Arizona, December 29, 1900.
Capital Stock, $1,000,000; 1,000,000 Shares, par value $1 each.

4000 ACRES IN SAND FLAT OIL DISTRICT, SHASTA COUNTY

Be on time. You cannot miss it. An investment of a few dollars now may bring you a fortune. The first **fifty thousand shares** of treasury stock will be sold for the small sum of **10 cents a share,** the proceeds to be devoted strictly to development work.

Twenty-five Thousand Shares are already sold. **Now is the time** to get in on the ground floor and secure your stock before the raise in price.

Derrick will be erected and drilling commenced as soon as machinery can be purchased and placed on the ground.

Two wells now drilling in near vicinity; one within thirty feet of our land. For information or Prospectus, call on

CHARLES W. POPE

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FRIDAY, APRIL 5, 1901.

Oil Yield of Kern River.

During the month of January there were sent out from the Kern River field 1055 tank cars of oil, and in February 875 cars. This decline was in no sense owing to a falling off in productiveness, but to a shortage of facilities. During the last month there has been the same shortage of cars to take away the oil that has acccumulated in the field. As a consequence of this state of affairs many companies have suspended drilling operations, and pumping has not in any instance been carried on to the full capacity.

On an average thirty cars have been going out each day, each car being equivalent to about 155 barrels.

During the month of February about fifty new wells were completed, and the daily yield increased by about 360 barrels, or about sixty barrels to the well. Of course it is not at all unusual—indeed, it is rather the rule—for each new well to produce anywhere from 100 to 300 barrels a day; but that is when the well is being pumped in the corridors of of the Southern Hotel, where strangers love to congregate, and not out in the field.

This matter of the daily yield of the individual wells is surrounded with difficulty. By a curious concatention of circumstances the mining industry—whether mining for gold or gold in the liquid equivalent of petroleum—has always been noted for stimulating the imagination, and bringing into bold prominence the lineal descendants of Mr. Ananias. It is easily to be understood how such a wondrous oil field as the Kern River is responsible for exaggerations that are oft times given currency regarding the production of individual properties.

As a matter of absolute fact, the superintendents themselves can only approximate the yield, and to state absolutely what a well is producing when tanks and reservoirs are being only partially filled, and are being drawn upon for shipment, is only a close guess and not an official and verified statement.

Apropos of this, the superintendent of the Aztec, Chicago Crude and other prominent companies has stated that only once had they been able to say with absolute certainty what some of their wells had been producing. Ten of the old wells of the Central Oil company were pumped for twenty-nine days without any shipments being made, and it was found that 25,000 barrels were in the tanks at the end of that run. That was an average of 862 barrels per day, and a trifle over eighty-six barrels per well. Since then the company has added two other wells and approximately 1000 barrels per day is being produced.

Among the more important of the producing wells, with the acreage owned by the companies, the Fresno Democrat gives the following:

	Wells.	Acres.
Aztec	9	80
Bear Flag	2	80
Comet	4	80
Canfield	10	160
Continental	4	240
Cortez	3	40
Chicago	3	60
Del Rey	3	40
Euclid	3	20
Four	6	20
Green & Whittier	7	480
Globe	4	20
Grace	6	320
Imperial	12	480
Junction	4	80
Kern	9	480
Kern River	6	630
Monte Cristo	8	160
Mount Diablo	3	20
Nob Hill	4	40
Peerless	8	164
Petroleum Development	17	620
Reed Crude	18	1000
San Joaquin Oil & Dev	10	490
Southern Pacific Company	20	437
Sacramento	5	40
Senator	6	40
Sterling	6	260
Toltec	3	40
Thirty-three	20	160
Vernon	4	20

The Standard Oil Company.

The Standard Oil company, with a completed field tankage of 200,000 barrels and a contemplated additional tankage of thirteen tanks of 35,000 barrels each or a total of 630,000 barrels, costing $180,000, has entered the Kern River field as a positive factor. It is there, and it is there to stay, and the question now before the producers is, how to meet it. At the present moment it looks as if all of them who do not have their oil under contract were tumbling over one another in their eagerness to meet the Standard's requirements in competitive bids. There have been those who have asserted that the scarcity of tank cars was the result of collusion between the Standard and the railroad, but it is much more likely a coincidence growing out of the rapid development of the Kern field, which the Standard had the facilities to meet and the railroad company did not.

Besides the Standard, the Producers' Oil Storage & Transportation company and the United Oil Producers are active competitors in the oil buying market. The system of fixing a price by which the company's buyers are guided is the Standard's custom in the Eastern States.

In view of the entrance of the Standard as an oil buyer in the Kern River field, the following testimony of Mr. John D. Archbold, of the Standard Oil company, before the Industrial Commission at Washington, is of interest:

Question:—"The general question has been asked as to the general effect of the Standard Oil company upon the price that is paid the producer for crude oil, Do you know about what proportion of the Pennsylvania product you purchase?

Answer by Mr. Archbold—Well, I think the percentage of business done by us as a whole, would be perhaps the best illustration of that.

Question—Can you recall, offhand, the figures?

Answer—Perhaps our percentage of the Pennsylvania oil would be less than 82 per cent, because a larger portion of competitive business is done in Pennsylvania than in Ohio. I should say in the neighborhood of 80 per cent.

Question—Your purchases in this Pennsylvania field are made through your pipe line. Have you a general purchasing agent?

Answer—Not through the pipe line.

Question—It is through your general purchasing agent?

Answer—Mr. Joseph Seep of Oil City.

Question—The prices that Mr. Seep then gives are fixed by you?

Answer—Well they are suggested as a rule by us.

Question—He is your general agent and there are various sub-agents there?

Answer—Yes.

Question—Do you recollect how many?

Answer—I should say forty or fifty.

Question—The prices are fixed generally, as you say, from your office. As covering the principles on which the prices are fixed a circular Mr. Seep issued some time ago, was produced here, stating that the prices that he would pay would be fixed, in general, by the worlds markets.

The implication would be that the prices would not vary probably very frequently or very violently. Has it been true generally that prices have kept stable for the crude oil of Pennsylvania?

Answer—Well, the prices have varied somewhat during the past several years according as the outlook was for production, and as the demand was. It could not be better stated by me than the circular states it. We have before us daily the best information obtainable from all worlds markets as to what it is possible to sell for; and we make from that the very best possible consensus of prices, and that is our basis for arriving at the current price.

Question—Generally speaking are the relative prices of the crude oil and the refined oil kept substantially uniform?

Answer—We know all about it every day, of course.

Question—And is the relation kept substantially uniform?

Answer—Oh, substantially so. Of course, it is not always the same. Of course, it seems possible at sometimes to get a higher price, and we are glad to avail ourselves of the opportunity, and sometimes we have to take a closer margin and still buy the crude, and then, of course, we suffer a loss.

Transportation from Coalinga

The little village of Coalinga is in a spasm of unrest at present, for the S. P. R. R. has had a surveying party in the field, and, rightly or wrongly—most probably the latter—it is feared that the company is about to build a cutoff at Ora, the oil-station, and carry the main line close to the oil field and through "The Gap," to make ultimate connection with the Coast line of railroad.

Such a cross-country connecting line would be a splendid thing for all this portion of the San Joaquin valley, says the Democrat, inasmuch as it would render access to the ocean rapid. Even were Coalinga to be sidetracked, it is to be surmised that the masses of people would strive to bear up against such an affliction with fortitude, in view of the more decided benefits likely to accrue by reason of the through line. But whatever the S. P. R. R. may intend to do, it is scarcely probable that the main line will be diverted at Ora and carried close to Oil City, for an increased benefit the company may derive from oil shipments. And yet it is being maintained that this is the purpose of the proposed diversion. But the Union Oil company has contracts with the producers in the field to send their oil through the company's pipe line to Ora, and whether the line of railroad was carried immediately past the oil field or not, those contracts will stand. And it is to be remembered that the pipe line companies—the Standard and the Union—never are at issue with the railroads.

Heretofore the Union has had only one tank at Ora, the loading station, but Nos. 2 and 3 are now almost completed, and work is being begun on No. 4. The pipe line is carried to the foot of the hills, where it divides, the Pioneer line running into Oil City and the other branch being known as "28," the line being nine miles in length. The tankage in the field is quite large, and on account of the impossibility of getting cars, the storage capacity in the field, the tankage at Ora, the storage tank in the foothills, and the other 35,000-barrel tanks in the field are being utilized to their full capacity.

Producers pay 10 cents a barrel for transportation to the pipe line company, and with freight charges deducted, the producer nets according to the quality of the oil.

Chanslor & Canfield have had a powerful pumping plant on section 20 for a considerable time, and now they are laying a pipe line to a storage tank on section 4, and thence to Ora, through which they will run their own oil.

In Pennsylvania there is a law governing the pipe line companies who are the custodians of producers oil. This law permits a gauge to be taken of the tanks of the pipe lines and the expense is borne by the companies owning the lines.

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Flooding a District.

Assuming that oil-charged sands lie in beds between harder and more impervious formations, so that each bed forms an independent reservoir saturated with oil and gas under pressure, in some cases supposed to be at 150 pounds to the square inch, it is apparent that as an outlet is given to the oil and gas the pressure will be gradually reduced. So long as the pressure continues, all force is exerted outward and upward from the rock below, extending back from the sand immediately surrounding the bore farther and farther as the pressure is gradually relieved by the escape of the gas and oil up through the well. By natural law an equilibrium is being established, and is so established when the well ceases to flow. When pumping begins a partial vacuum is formed. It is then that flooding, or filling the oil sand with water to replace the oil and gas, may occur. Producers try to guard against this danger. It is the practice, when wells have ceased to yield oil in remunerative quantities, to draw the casing out of them for use in other wells. Through carelessness these abandoned wells are sometimes left unplugged; that is, the hole is left open instead of being filled with earth. Surface water is thus allowed to run down to the oil-bearing strata and spread itself indefinitely until it reaches other wells oil-bearing stata, so the well will pump oil and water mixed, and perhaps water only. This is a matter of so much importance to the general welfare of the oil-producing districts that a law has been enacted making it a misdemeanor for an owner to operate or abandon a well without taking means to prevent water from the surface or water-bearing strata descend into the oil-bearing sand. The penalty is a fine of not less than $500 for each offense, nor more than $5000, or imprisonment for one year, or both.

Plugging an abandoned well for the purpose of excluding fresh water from the oil-bearing sand is performed as follows: The operator, before drawing the casing, fills the well with earth to a depth of at least 20 feet above the oil-bearing sand, and drives a round wooden plug at least two feet in length, equal to the diameter of the well below the casing, to a point at least five feet below the bottom of the casing. Immediately after drawing the casing a round wooden plug is also driven into the well at a point just below where the lower end of the casing rested, the plug to be about three feet in length, tapering in form, and of the same diameter, at the distance of eighteen inches from the smaller end, as the diameter of the well below the point at which it is to be driven. After it has been properly plugged the well is filled in with earth to a depth of at least five feet above the plug.

The first intimation of flooding in a district is given by an increased production from the wells. Old wells, without any observable cause, improve gradually, running up from five barrels per day to 10, 20 or even 50. After pumping at this rate for some time the oil quickly falls, and the wells yield only oil and brackish water. As the wave moves on, the wells in advance, one after another, are affected in the same way.

Flooding a well has, in the Eastern fields, sometimes been found a very profitable way of closing its career, inasmuch as it thus yielded more in a few months than it otherwise would flow in years, so when the water reaches it the owner knows at once that further operations are useless, thus saving the time and money often expended in fruitless efforts to reclaim wells failing through natural decline.

A Famoso Gusher.

Famoso's well No. 2 now being drilled, went on the rampage at 500 feet and spouted oil twenty-five feet over the casing. This well bids fair to be better than No. 1, which is termed the "King Well" of the Kern River district. It goes to prove that the territory in section 4, 29-28 is certainly the most prolific piece of oil ground in the State of California, and the "Famoso" stockholders are to be congratulated upon having the cream of the section.

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RIVETING BY MACHINE.

Comparison of Mechanical and Hand Work.

Among the tools on which such careful attention has been bestowed by American engineers, the riveting machine is among the most important, and the perfection to which this little appliance has been brought may be learned by appending a description of the new pneumatic riveter, recently brought out by the Philadelphia Pneumatic Tool company. In field work, in the erection of large oil, gas and water tanks, no less than from 80 to 100 rivets per hour have been driven by this tool. It is adapted to a wide range of work on ship framing, structural work, etc., and will drive rivets of any size up to 1⅛ inch, and may be used with any depth of yoke, from 10 inches to 10 feet or more.

The riveter itself is absolutely positive in its action, no dependence being placed on springs or other similar devices. The entire action of the machine is under the control of the operator by means of one throttle lever. The first movement of the lever causes the hammer cylinder to move out against the rivet; the next movement starts the hammer to work upon the rivet. When the rivet head is completed a reverse movement of the lever causes the hammer to stop working and the cylinder to withdraw into the casing by air pressure. The advantage of this arrangement is that the cylinder may be moved out until the bottom set comes in contact with the hot rivet and held there while any necessary adjustments are made before starting the hammer to work. This will, in many cases, prevent spoiling the rivet and necessitating cutting it out. The withdrawal of the cylinder into its casing by means of air pressure, enables the operator to use the machine in any position with the certainty that the cylinder will positively remain inside the casing until he is ready to drive the next rivet. These points will be appreciated by those who use machinery of this kind.

The machine is light in weight and simple in construction, having but three moving parts, and requires 25 cubic feet of free air per minute for operation, while ample facilities are provided for thorough oiling of all parts.

COST OF HAND VS. MACHINE WORK.

Cost to company for air compressor, reservoirs, machinery, water tanks, hose and fittings, mounted on car	$1,073.00
Three hammers and two steam air drills	627.00
Total cost of plant	$1 700.00
Repairs to combined engine and air compressor	$34.00
Repairs to new hammers	6.30
Repairs to old hammers and drills	9.00
Total cost of repairs	$49.30

Proportion of cost of plant chargeable to work per day, on basis of 20 per cent depreciation per year:

Twenty per cent of 1.700 per year $340, or per day basis, 313 working days equals year, $1.09.
Cost to maintain since May, 1899, $49.30
Or per month, 1-17th of $49.30 $2.90,
Per day, 26 days to month, 11 cts.

Cost to operate gasoline engine and compressor per day:

Fifteen gasoline, at 11 1-5 cts.	$1.68
Oil, waste, etc.	.12
	$1.80
Total cost to operate plant per day	$3.00
On basis of running three rivet hammers and forges equal cost for one hammer of	$1 00
Oil for hammer, estimated amount per day	.12
Labor two men, at $2.40 per day	4.80
Labor one man, $2.20 per day	2.20
Total cost to operate one hammer per day	$8.12

Cost of riveting by hand (as noted on commencement of this detail, there are no charges for tools, as the small tools, forges, etc., not shown in riveting by air, practically offsets tools in riveting by hand):

Labor two men, at $2.40 per day	$4.80
Labor two men, at $2.20 per day	4.40
Total cost of hand-rivet gang per day	$9.20

Men, with pneumatic riveter will average 500 rivets per day for $8.12, or per hundred, $1.62.
Men with hand power average 250 rivets per day for $9.20, or per hundred, $3.68.

The above figures demonstrate that it costs more than double to drive rivets by hand than by using pneumatic tools. Pet. Review.

SIGNED A TESTIMONIAL

Which Col. Spellacy Now Feels Called Upon to Explain.

The Eastern Star, a Los Angeles company operating in Kern River, with which a Mr. Schermerhorn is connected, has been doing some extensive advertising in the Eastern States, which has aroused considerable criticism. Among other statements is a testimonial from several Bakersfield citizens.

The testimonial, which is dated at Bakersfield, January 30, 1901, reads: "To Whom it may Concern —We, the undersigned, hereby certify that are perfectly familiar with section 29, township 28 south, range 28 east, M. D B. M., in Kern county, California, and further certify from our personal knowledge of the above described section of land that said land is one of the most valuable sections of oil property in the Kern river district.

"All land in this section is worth from $3500 to $40,000 per acre, and even more, according to present development on same. The twenty acres in this section held by the Eastern Star Oil company of Los Angeles is exceptionally good land, and it is known the 100 acres immediately south of the twenty mentioned cannot be purchased for $1,000,000—in fact not sold at any price. Signed, J. J. Mack, T. Spellacy, E. H. Loveland, E. P. Fallis and William H. Mason."

Mr. Spellacy, in explanation of his connection with the testimonial, has this to say:

"I wish to say nothing that would mitigate against the Eastern Star, as I know nothing of its holdings. I signed a statement some time since certifying to the value of the land and placed an outside valuation on the property of $10,000 an acre. The $40,000 was an error, or was due to an over-zealous agent."

Mr. Spellacy further stated that he does not wish to be placed in a position of booming Eastern Star stock, for, as he knows nothing of the company, he declines to be placed in a position vouching for that company by a statement that went as to land values only.

Natural Gas.

The natural gas supply of Pennsylvania, Ohio and Indiana is on the wane and will show a marked further decrease during this year. The vast stores of the developed fields are reaching exhaustion, and at many places the industries founded on this fuel supply are falling with it. In California there is every probability of an extensive development of natural gas in the near future. It will be developed in the San Joaquin and Sacramento valleys, which exhibit so many evidences of deeply buried supplies of gas, and discoveries will be largely a result of deep borings for oil in the central valley of the state, which undoubtedly holds vast stores of petroleum.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

Lincoln Oil Company OF OAKLAND, CAL.

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered to Investors for A Short Time.

1686 Acres of Oil Lands

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28 27, Kern River district has passed through rich oil sand and will soon be finishedwith the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

This splendid company has been shu down for forty days waiting for a carload of drive-pipe, which arrived on the 28th of March, and is being put down by a crew working night and day.

It was found that when work was ready to proceed, eighty feet of oil had oozed in from the bottom.

For further information apply to

J. H. EDSON, Central Bank Building, Oakland, Cal.

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PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts the State.

COLUSA.

It was reported Saturday afternoon that oil had been struck in the Smith & Gottreil well. An oil pump came on the cars and was taken out. It is said to be a 30 barrel well.

FRESNO.

The Hanford Oil company began drilling on its No. 2 well.

The property of the Fresno-San Francisco, consisting of forty acres in the NE¼ of 1, 20-14, is being thoroughly tested.

The Coalinga Oil district preparations are being made to construct tanks for storage purposes on many of the plants.

The Coast Range Water company at Coalinga is serving seven rigs and preparations are under way to increase its working capacity.

The producers in the Coalinga field have an abundance of oil cars, which relieves the shortness of transportation facilities which has prevailed for some time past.

C. A. Canfield, the well-known oil man, has received word that the machinery of the Mexican Petroleum company, which will soon begin work several miles from Tampico, is on the ground and is being put in place.

Confidence struck oil in the third sand in well No. 4 at a depth of 1000 feet. Frank Cleary, the superintendent at Coalinga, states that there are 700 feet of oil in the well and experts say that it will produce 100 barrels a day.

Section 28 recently opened up some new wells; "28," Independence, Oil City Petroleum and Hanford finished up good producers and the Fauna is finishing up one. Hanford will start drilling a new well on or about the 1st.

Mr. Canfield denies the published assertion that a suit against the Coalinga Oil company relative to its title to holdings in 20, 19-15 is pending in the United States District Court. In the land in controversy the company has no interest. Its holdings are secured by United States patents obtained two years ago.

KINGS'.

The Stanislaus Oil company in the Kettleman district will soon begin drilling.

KERN.

The Brea Santa Ana, in Kern River canyon, went into oil yesterday at 875 feet.

Stratton, on 32, 32-23, Sunset field, is in the same formation, though hardly so deep.

The Chico on 10, 10-23 has started spudding in. The company is near the King.

Empire Oil company is putting a rig on 8, 30-22, and will be spudding in a very few days.

Fullerton-Sunset Oil company has let a contract for the drilling of its first well at Sunset.

A strike was made by the U. S. company on 26, 12-24 at 565 feet. There is an abundance of gas.

Milton and Lizzie McWhorter have deeded to A. A. Widber the E½ of the NE¼ of 34, 30 22.

Majestic in Sunset is down nearly 1200 feet and has reached a blue clay formation that looks good.

The Kings County Oil company on 15, 20-20, has reached a depth of 550 feet and has indications of a strike.

Star Oil company of West Virginia has a portion of its machinery on 11, 8-21 and will begin drilling soon.

The Eight Oil company has purchased from H. P. and Mary Elizabeth Danning the S½ of NW¼ of S, 28-27.

Mercantile Crude, situated in the northwest of 6, is down something over 300 feet and is showing fine indications.

Jupiter Crude on the east half of section 32, Sunset, is making good progress but not deep enough for the oil sand.

Henrietta Oil company has about completed its well in Kern River. It is down 1050 feet, having encountered oil sand at 650 feet.

The Hecla is having good luck with its drilling on 19, 28-28. The drill has, up to the present time, passed through 100 feet of oil sand.

Twenty-eight has about finished boring its fourth well and pumping machinery will be in working order by the first of the week.

Azusa Oil company has nine quarter sections in Sunset district. This property is all leased and operations will begin in May or June.

A. J. Munton of the Famoso has taken the superintendency of the work on 4, 29-28 in the place of W. B. Allyn, who has gone back to San Diego.

The progress of the work of Ludwig & Hickie on the south side is being watched by oil men with a great deal of interest. They are now down 900 feet.

Japanese Oil company, composed of a number of Japanese in San Francisco, intends to begin drilling as soon as its rig, now ordered, can be set up on 3, 30-21.

Maricopa on the southwest of 1, 11-24 is down nearly 800 feet and in promising ground. A fairly good discovery of oil was made at a comparatively shallow depth.

Drilling will begin within ten days on the Mecca company's property in 29, 28-28. Lumber and tools are being taken on the ground preparatory to the work to be done.

Two companies will go in directly on the northwest quarter of 23, 32-23 in Midway. Sultana is almost ready to start and the Dixie has its machinery on the ground.

J-B-B No. 2, Sunset field has reached the oil sand in its first well on 35, 12-24. The striking of the oil sand in that section of the country has become a mere matter of going down for it.

Superior on 2, 11-24, Sunset field has No. 3 in the oil. No. 2 is fast nearing completion and the fourth will soon be at work in No. 4. The company has mapped out much development work.

S. H. Wood et al. have transferred all of section 33 and one-half of section 34, 29-31, to the Crown Petroleum company. It is said $25,000 changed hands in the transaction.

Petroleum Center wells on 28, 28 28, which started off at about 30 barrels and gradually failed to about eight, sanding up, are flowing again. Nothing was done to them to increase their capacity.

Wilson Oil company's No. 2, in the Kern River district is in oil sand. The company has sub-leased thirty acres of its Kern River land to San Diego men and has let contracts to drill ten wells at once. Five rigs are now in place for these wells.

Spring reports a discovery of oil on the northwest corner of 11, 26-28. The sand was struck on Tuesday at a depth of 450 feet. A considerable quantity of water was found, but this was securely cased off and the drill is making progress again.

Wilson has leased to George W. Maywan, Ferdinand Frederick and T. A. Sheppard the SW¼ of the NW¼ of the SW¼ of 4, 26-28 for $2000 and the agreement to pay a monthly rental. The lease is for a period of twenty years. Fifteen wells will be bored.

Kern Queen Oil company, operating on 10, 28-28, Kern River field, also owns land in the McKittrick field, and is getting bids for drilling there. The company will let all its work by contract, and hopes to be ready by the 15th of April. It will drill ten wells altogether.

The drill of Hanford-Sanger in Sunset entered oil sand on the 24th and the prediction is for a 150 or 200-barrel well—in fact a fairly good well is now assured. This company secured the drilling rig of the Stockton Oil & Gas company, which took in exchange a large block of Hanford-Sanger stock.

Monarch No. 2 at Sunset broke loose the other day and for twenty minutes flowed a stream, filling the eleven and five-eighths casing with a solid column of oil and covering the derrick floor several inches deep with the liquid product. The baler had been run down in the well and was caught in the flood and tossed up into the timbers.

Ludwig, Hickey & Eaton are in oil on 17 on the south side. The extent of the strike is not known. The well is a little over 900 feet deep and the formation corresponds to that in the district north of the river. The property on which the strike was made belongs to T. E. Harding and H. A. Blodgett, who own a half section. Ludwig, Hickey & company have under lease the S½ of the NE¼.

Zaca Lake on 4 has completed its first well at a depth of 994 feet, the nine and five-eighths casing being firmly landed in solid formation. The log kept by the driller shows that the first "pay streak" was struck at 510 feet and was forty feet thick. The second sand was seventy feet thick and the third a much thicker and more prolific deposit of sand. It is said that this is the longest string of nine and five-eighths casing in the southern portion of the field.

The Reed Crude Oil company, at a regular meeting of stockholders recently declared a dividend of two and one-half per cent, payable April 1. Upon all stock of record this dividend is payable March 25. The Reed company has 1160 acres in Kern River field. It is not drilling at present, and does not expect to until there are improved shipping facilities. At present they are experiencing a set-back by lack of cars.

Southern Pacific's well on the east line of 25, 28-27 and on the western edge of the Kern River is promising and furnishes evidence as experts claim that the formations have not been pinched out to any extent, so far as developments have yet extended. Manager Briscoe says the well throws a bigger stream than even the best of the Monte Cristo, though a heavier quality of oil. The quantity may be judged from the fact that with a three-inch working barrel, the oil cannot be lowered beyond 100 feet from the surface.

LOS ANGELES.

The East Whittier company is down over 300 feet on No. 2.

The Turner Oil company has made nearly 1000 feet on No. 5.

The Freeman & Nelson company, in Newhall, is down 200 feet on No. 3.

Sate Oil company is drilling well No. 1 and is just entering oil sand at Newhall.

The Alpine Oil company at Newhall has finished well No. 2 and it is pumping about seventy-five barrels a day.

Santa Ana Oil company has finished well No. 1 in the Newhall field, which yields eighty barrels of oil daily.

Commercial Oil company has reached a second stratum of oil sand in well No. 2, at a depth of 650 feet.

On the Mansfield tract northeast of the Rosedale well, the Oil Field Oil company has commenced drilling.

The Iola company is down 1200 feet, in Newhall, on No. 1. This company has been drilling on the well since last March.

The Home Oil company has made nearly 500 feet of hole on No. 12 on which the water has been shut off.

A well has been commenced by the Maybury company on its property near the corner of Western avenue and Temple street.

The Alliance Oil company is drilling at Tunnel station, about five miles north of Fernando. The well is down about 700 feet.

The Warner Oil company will not attempt to make any more holes on its latest well, No. 4, at present. The derrick No. 5 is being built.

The Central Oil company is grading for a new 25,000 barrel steel tank at Los Nietos. The company will also erect a new pump house at the same place.

The Whittier Consolidated Oil company is pulling the casing in the well which it has been drilling north of the city and will discontinue development for the present.

The Central Oil company is pumping No. 26, which still has considerable water in its hole. Drilling is still in progress on Nos. 16 and 28 and on the recently-started No 30.

The Padua Oil company is now down 250 feet. The formation is almost upright, the slight angle tending to make a crooked hole. Casing is now being put in. One large seepage of oil has been struck.

Finding second sand in Uncle Sam's No. 18 is expected to stimulate development work along Hoover street, as several companies are interested in the discovery. Uncle Sam will now deepen some of its wells of smallest production.

The North Whittier Oil company now has the specially-strengthened string of five and five-eighths casing down to a greater depth than was reached by the four and one-half before the smaller size was pulled.

At the Union Oil company's well, on the Olive Association tract, one and a half miles south of the tunnel, Mr Kellerman is now down 450 feet. Smaller casing is being put in and in a few days drilling will again be actively prosecuted.

At the O'Donnell well they have got the casing loose and have taken it out and enlarged the hole, intending to go deeper with the large casing. They are now down 870 feet, and are working night shifts in addition to the day work.

The El Moro Oil company has decided to abandon the test hole which it has been drilling on the forty-acre tract east of the Home company's property. The hole was put down over 1300 feet but only slight traces of oil were discovered.

R. M. Davis & Co. are operating in the Baptist College field, having completed

No. 1 at a depth of 270 feet. The company is getting rigs and other machinery on the ground to do extensive development work, having arranged to drill forty wells this season.

Enterprise Oil company is putting in about 300 feet of eleven and five-eighths casing near Newhall.

In the Elsmere field the Pearl Oil company tapped the sand and gravel at 125 feet and is waiting for casing.

The casing in the Zenith Oil company's well in the Elsmere district collapsed at 125 feet from water pressure. The well is supposed to be about 150 feet from oil sand.

Sulphur Spring Oil company is actively drilling on well No. 1, Elsmere field with apparently good prospects.

The Whittier Producers Oil company which is developing a tract on section 24, has decided to change the location of its derrick. Only about 200 feet of hole has been made on the original site and the formation is such that it was almost impossible to carry down the casing.

Thomas Joyce has resumed drilling on his well near the old abandoned Chandler wells southeast of the Central company's property and the outlook for a producer is good. A remarkable fishing job has just been completed on this hole and Mr. Joyce is hoping that he may be able to worry along without any more "dead" work for a while at least.

MODOC.

Modoc is the latest county to manifest an interest in oil, many claims having been located in the Stonecold valley.

SANTA BARBARA.

Peterson's company is working two shifts, and is making a good showing of oil in the sump hole.

Casmalia company is now getting up another rig on its property adjoining the Elizalde.

The Guadaloupe Oil company, owned by Hanford men, is preparing to drill wells on their property near the lake.

Elizalde Oil company's well is now down 825 feet, with a strong flow of gas and wet seepage. It is expected to find the oil sand in the next 250 feet.

Juanita Oil company's well No. 1 is down 150 feet and still drilling. At 140 feet the well filled with 15 feet of oil which necessitated bailing before drilling could be resumed.

The Commercial Union Oil company's well is down 910 feet in brown shale, with a good showing of oil in the bottom. The company has ordered another rig, which is now being placed.

A. J. Knoblock and Henry Laub, representing the Jerome Oil company, will place contracts for three wells on the Elizalde tract.

SOLANO.

The drilling machinery of the Armijo Oil company arrived last week from Red Bluff. The rig has been taken out to the Miller ranch and is being set up as rapidly as possible. Spudding will begin within the next ten days.

The work of installing the rig for the Rochester company on the John Dickson place is progressing as rapidly as possible and before many days it is expected that the drill will be in operation.

The Vacaville Oil company is boring its well. On Monday a depth of 100 feet had been reached. No casing had been used up to that time and the well caved in. The well was then cased and cleaned out and drilling has been resumed.

SAN LUIS OBISPO.

A car load of heavy casing is at the depot for the Puritan oil well.

Beckett & Crothers announce their intention to begin drilling on their lands at Verde in the coming summer.

The Grover tract on Pisimo Beach has been leased for oil and bonded to purchase. This company will begin drilling soon.

A Los Angeles company will commence work at once on the Carissa plains. This will open open up a new field all tributary to San Luis Obispo county.

The Great American Oil company, which is boring in section 2, township 25, range 10, is down 300 feet, having passed through one oil sand, and have the best indications for a good well.

The Arroyo Grande company has shipped to a point about five miles east of Arroyo Grande a fine new $5000 rig. This company will begin work in the near future with two outfits.

Wood & Church of Pasadena recently purchased, through J. F. Beckett, 275 acres of land at Reed's Station, and will put in a rig as soon as through trains begin to run on the Southern Pacific.

Within the last thirty days as many as fifteen new companies have organized and are now selling stock to commence their wells in this district, near and on each side of the dividing line of Monterey and San Luis Obispo counties.

SHASTA.

The Mount Shasta Oil drill passed through a vein of coal Saturday at a depth of 225 feet. The width of the vein could not be determined as the drill was sunk 500 feet before the bailor was operated and the coal was ground in the pulp of other formations. However, the coal was clearly discernible.

SAN BENITO.

The Nonpareil company is making fine progress on well No: 2.

The Ashurst Oil company is below the 300-foot mark and work is progressing nicely.

The Hamilton Oil company was 150 feet in same sand at last report and had a small increase of flow of oil.

The San Benito County Oil company has drilled 985 feet. The drill is in blue shale. Indications for a strike are improving.

Esmeralda, with Art. Baldwin foreman, began work on April 2, 1901, and are now down about fifty feet, with good indications.

La Primera has a derrick up and is now placing machinery. Will begin drilling in a week with Wm. Carden driller, and Fred Berg as tool dresser.

The Ohio Oil company's well is now at a depth of 500 feet, and is in black shale, the indications being very favorable for oil sands within a short distance.

The World Oil company has a Standard rig at work, and is now down over 700 feet. The prospect is good and no doubt is expressed as to the result.

On account of a broken casting, the Dirigo company was obliged to lay off for several days, but has resumed work again.

E. C. Newell, manager of the Nonpareil Oil company, and M. C. Anneny of Oakland, are securing the right of way for pipe line to King City.

The Hollister Petroleum Development company have drilled about fifty feet through blue clay. Drilling is going on night and day. The water supply is good.

Though Panoche and Silver Creek districts are partially in Fresno county, they are more properly included in San Benito county, where Mulberry district is also attracting attention.

Until about a year ago little development work was done in San Benito county, despite the fact that numerous oil experts and practical men had gone over much of the ground and predicted that it would open out as one of the banner counties of the state.

The London Oil company has closed a contract with private parties for 160 acres of its lands, operations to commence as soon as the roads will permit hauling, which will be soon. Other parties are negotiating, and several rigs will be on the ground in a short time.

The Panoche district lies southwest from Mendota and about 45 miles southeast of Hollister, directly on the line dividing the two counties and adjoining the Coalinga district. M. H. de Young of the San Francisco Chronicle, Dr. Deane, Herman Zadig and other men of prominence are interested in the Ingomar and Century Oil companies. Roads are being built and other necessary work done preliminary to active operations as soon as the weather has settled.

The formation of this part of the Coast Range is mainly sandstone, intermingled with conglomerates and shales of a blackish blue color. This particular sandstone belong to the group known as "old red sandstone" underlying the coal measures, being of a yellow reddish color near the surface, changing to a grayish color as depth is attained. Shales, conglomerates and sandstone smell strongly of petroleum, which oozes out in the ravines on the premises. Several years ago United States Deputy Mineral Surveyor A. Lascy reported upon this property, and stated that the different strata did not seem to have been so much disturbed or broken up as in most of the adjacent parts of the Coast Range.

KERN.

The Royal Sunset is reported to have truck oil at 900 feet.

The Arcola Extension is about ready to begin work on section 2, 11-24.

Rinconado, on 6, 11-23, reports the drill at a depth of 150 feet. Work was started recently.

The Hart Crude Oil company is putting up its houses on the east line of 36, 28-27.

The Mercedes has a second rig ready to operate on section 5, 28-28. Well No. 1 is now down 150 feet.

The rig for I. X. L is about completed and drilling will soon begin. This company has 40 acres of land on 7, 11-23.

Nanticoke, a new company which has a lease on forty acres in 35, 12-24, is building its rig and has ordered its machinery.

Medina at Sunset has what is believed to be a hundred-barrel well. The hole is full and running over, but the casing has not yet been perforated.

The Eastern syndicate has refused to buy the Kern River stock that has been in escrow for the past month at an option of $20 a share.

The Standard Oil decline to give out results of bids submitted, but say from the number of bids received that the

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company will buy more than 25,000 barrels.

The Empire Oil & Development company will begin spudding tomorrow (Saturday) on its property in the SW¼ of S. 30-22.

U. S. Oil, operating on 26-12-14, Sunset district, has reached the first oil sand at a depth of 690 feet, and the owners of stock are elated.

H. P. Dunning has transferred to the Light Oil company the south half of the northwest quarter of S. 29-18. Stamps to the amount of $2,500 ornament the papers.

A meeting of the principal oil producers of California is to be held at the Palace Hotel, San Francisco, on April 12. The object of the meeting is to discuss the oil situation.

Two carloads of drive pipe have arrived for Superior Development on 24, 28-27. This company is down about 600 feet and after shutting off the first water will use the pipe.

Bay City has leased to J. T. Handsaker and James R. T. Mershon the west half of the northwest quarter of 14, 33-23. The royalty is one-eighth and the purchase price is fixed at $300 per acre.

The Transfer has struck oil on 30, 31-23, Midway field. The yield is estimated at fifty barrels. The location is in the middle of the Elkhorn valley, about half way between Bay City and Sunset.

At a meeting held this week the directors of the Globe Oil company declared their first dividend of ½ cent a share on the capital of $600,000. The dividend will be payable April 25, and the bonds for transfer will close April 15.

The Shamrock well No. 4 has been finished with the seven and five-eighths casing and on being perforated commenced to flow at once, the first discharge throwing the oil high over the derrick.

The McKittrick company's well No. 2 went into oil yesterday at 765 feet with nine and five-eighths casing. When the sand was reached, though there was 500 feet of water in the hole, the oil rose 150 feet in the casing.

A significant strike was lately made on the southwest quarter of 21, 28-28, by the Equity Oil company and it is said that drilling has proved that reasonably good wells can be obtained in that locality. This find brings upon the belt considerable territory.

East Puente, on the southwest of 4 29-28, is well satisfied with its prospects. When down between 500 and 700 feet the drill passed through a 45-foot stratum of rich oil sand, and since then several thinner strata have been penetrated. The well is down about 800 feet and last Saturday the oil spilled over the casing.

VENTURA.

The Central Union Oil company has reached oil on the James Sheills place.

The plant of the Santa Paula Home Oil company is one of the busiest corners of that field. The Home company now has a well down 700 feet and the drill is kept at work day and night when possible.

SOLD IN BOSTON.

Large Sum Raised in the Hub For Oil Developments.

Mr. John R. Scupham, a well-known geologist and member of the Academy of Sciences, has just returned from an exploration trip through Kern county in the interests of his oil company, the Crescent, which has a large body of valuable oil land in this district. He leaves today for Santa Cruz county, where his company has another large body of land. The company bought two new rigs and will commence work immediately. Large blocks of treasury stock have been placed on the Boston, where capitalists are taking hold of solid California propositions and are willing to invest large sums in propositions which have merit. A Californian with good financial connections in the Hub, and with a first class oil proposition behind him, if he acts conservatively, need have no trouble in selling large blocks of stocks in the Massachusetts capital.

California and Utah Oil Company

The directors of the California and Utah Oil company are jubilant over the strike made by the Little Standard on 19, 30-21, where the California and Utah have holdings of 320 acres. This section is situated on the trend on the exact line between the Climax and Kern River wells, both of which are large producers. The recent strike increases its value materially, and places it beyond a doubt within the proven district. The California and Utah management are making final arrangements for development, and will be drilling in a short time.

San Diego District.

Cactus Oil company received their Articles of Incorporation Monday and completed their organization Wednesday, and are now ready to receive subscriptions to the capital stock. Their offer is one of the best presented to the public; it is 10,000 shares of fully paid and non-assessable stock for $500. This offer only remains open until April 15. 405 Examiner building.

WORK IN DEVIL'S DEN.

Status of Development on the West Side.

The Oil Edition of the Fresno Democrat contains much up-to-date information about the Valley fields. In regard to Devil's Den it states that very good judgment appears to have been exercised in the selection of lands by the first locators, and by being early on the ground some of the companies obtained possession of large tracts. Whether in every instance their title would bear close examination, however, is a debatable question. The Western Oil and Refinery company (Spreckels) controls by far the largest tract of land in the district, excepting the Devil's Den Consolidated company, which is a later organization of the majority of the companies operating at that time. The Western Oil and Refining company is in possession of four sections in Tp. 25-18. This large body of land is wire fenced, and armed guards prevent prying outsiders from informing themselves too accurately as to what work is being done. More important still, intending location jumpers are kept away by shotgun law, the unusual precautions adopted being in themselves a tacit admission that at least certain of enclosed lands are held by force under loose titles.

The White Dove Oil company is operating on section 27, 25-18, and began work the latter part of December of last year. Drilling was carried on until a depth of 200 feet was attained, and then operations were temporarily suspended on account of a lack of fuel, and hauling being extra heavy during the bad weather. At the beginning of the last month work was resumed.

The Washington company is at work in Cedar Canyon, a branch of Bitterwater creek. The company owns 640 acres and began early in the present year to sink a well, and the prospect is said to be encouraging.

The Safe Deposit Oil company is about to begin sinking on section 35, 25-18, and a full standard rig will be on the ground inside thirty days. This corporation is a San Francisco concern and includes in its directorate Judge Van R. Paterson.

In the initial days of prospecting the lack of water was a serious drawback, the wells and running water being widely separated. It was speedily discovered, however, that in nearly every part of Devil's Den water can be obtained by sinking from 30 to 200 feet below the surface. Such water is suitable for boiler use, but good drinking water is yet by no means abundant.

A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

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Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

$2 Per Share

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With the first well in oil, railroad running through the property, under the management of well-known, conservative business men, 80 acres of proven oil land in Sections 8 and 10, 29-28, Kern River District, recommends the investment to conservative investors. . . . . .

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W. C. GRAVES, Secretary.

Colusa Consolidated Oil and Refinery Co.

This company has purchased 4414 acres of oil lands in the now famous paraffin belt of Colusa county. The oil of this section is paraffin, "not a fuel oil," worth $4 to $8 per barrel. Its lands are 7 miles from railroad and 15 miles from tide-water, which guarantees cheap transportation. 20,000 shares of fully paid up stock is offered at 50 cents per share; after this sale the price will be $1.00. Our vice-president, Mr. R. W. Snow, goes East to purchase machinery for developing; soon as drilling commences sub-companies will then be formed on smaller portions of the lands, and the stock of the sub-companies will be the only stock placed on the market, the moneys received from sales of sub-companies' stock goes into the treasury of this, the parent company, and disbursed in dividends; thus it will be seen that very soon the parent company will be paying its stockholders large dividends, which will make the stock worth a premium in any market, we advise you to look up Colusa Consolidated at once, for its large acreage and low capitalization guarantees a safe and profitable investment.

Subscriptions for stock can be received at the office of

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Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, Apilr 3:

ÆTNA.

1000 at	19	190 00

BEAR FLAG.

200 at	15	30 00
2000 at	14	260 00

CONTINENTAL.

500 at	95	475 00

CORONA.

300 at	08	24 00
500 at	06	30 00

CALIFORNIA STANDARD.

3600 at	43	1548 00
800 at	41	328 00
3100 at	45	1395 00
500 at	48	240 00
500 at	57	285 00
1100 at	44	484 00
128 at	40	51 20
3200 at	42	1344 00

CARIBOU.

1700 at	70	1190 00

EL ORO.

300 at	65	195 00
1100 at	60	660.00

FOUR OIL CO

100 at	54	81 00
1000 at	53	530 00
3280 at	52	1705 60
1000 at	51	510 00

HANFORD.

16 at	90 00	1440 00
1 at	90 00	90 00

HOME OIL.

5 at	4 00	20 00
100 at	3 80	380 00
150 at	3 70	555 00
50 at	3 60	180 00
300 at	3 75	1125 00
275 at	3 90	1072 50
300 at	3 85	1155 00

INDEPENDENCE.

200 at	18	36 00
1500 at	17	255 00

JUNCTION.

50 at	64	32 00
300 at	58	174 00
500 at	60	300 00
200 at	59	118 00

KERN.

60 at	7 75	465 00
410 at	7 62½	3126 25
225 at	7 50	1687 50
50 at	7 37½	368 75

LINDA VISTA.

1000 at	15	150 00
500 at	16	80 00

LION.

400 at	19	76 00
630 at	20	126 00
5500(B 60) at	20	1100 00

MONTE CRISTO.

500 at	2 40	1200 00
200 at	2 45	490 00

MONARCH OF ARIZONA.

200 (S 30)at	53	106 00
300 at	55	165 00
500 (S 90) at	53	265 00
700 at	52	364 00
500 (B60) at	55	275 00
1000 at	51	510 00
500 at	50	250 00
800 at	54	432 00
400 at	53	212 00

OCCIDENTAL OF W. VA.

500 at	58	290 00
100 at	53	53 00
300 at	49	147 00
100 at	50	50 00
900 at	48	432 00

OIL CITY PET.

1100 at	26	286 00

PEERLESS.

150(B60)at	8 50	1275 00

PETROLEUM CENTER.

10 at	15	1 50
500 at	19	95 00
1750 at	18	315 00
1800 at	17	306 00
5400 at	16	864 00
1000(S30)at	15	150 00
1000 (B30) at	16	160 00
600 at	15	90 00
1000(B30)at	15	150 00
2150 at	14	301 00
650 at	15	97 50

REX.

100 at	30	30 00

REED CRUDE.

400 at	56	224 00
200(B30) at	57	114 00
500(S3)at	56	280 00
400 at	55	220 00
500 at	53	265 00
3400 at	57	1938 00
800 at	54	432 00

SAN JOAQUIN.

50(B 60)at	10 00	500 00
50 at	9 75	487 50
25 at	10 00	250 00

SHAMROCK.

100 at	53	53 00
100 at	65	65 00
184 at	80	147 20
200 (S30) at	85	170 00

STERLING.

615 at	2 10	1291 50
100(B30)at	2 15	215 00
100(B 60)at	2 10	210 00
100(B 5) at	2 05	205 00
100(S15)at	2 00	200 00
100(S 30)at	2 00	200 00
2120 at	2 00	4240 00
390 at	2 05	799 50
200 at	2 02½	405 00
100 (Cash)	2 05	205 00

SACRAMENTO.

1250 at	1 50	1875 00
1000 at	1 45	1450 00

TOLTEC.

900 at	75	675 00

WEST LAKE.

1000 at	18	180 00

WOLVERINE.

300 at	1 10	330 00

YUKON.

100 at	35	35 00
200 at	30	60 00

Shares 80,974 Amount $52,851.50

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending April 3rd:

BEAR FLAG.

500 at	13	65 00
1500 at	14	210 00

CALIFORNIA STANDARD.

2000 at	45	900 00
1000 at	42	420 00
1000 (S 30)at	41	410 00
1800 at	40	792 00

CARIBOU.

300 at	68	264 00
100 at	71	71 00
100 at	72	72 00
200 at	75	150 00
1400 at	70	980 00

COLUMBIAN.

300 at	30	90 00

FOUR OIL.

700 at	52	364 00
600 at	51	306 00

HOME OIL.

50 at	3 60	180 00
100 at	3 85	385 00
100 at	3 87½	387 50
250 at	3 90	1365 00
250 at	3 65	730 00

INDEPENDENCE.

500 at	18	90 00
1000 at	17	170 00

JUNCTION.

500 at	62	130 00
2400 at	60	1440 00

KERN OIL.

200 at	7 25	1450 00
100 at	7 50	750 00

LION.

1000 at	21	210 00
1000 (B60) at	20	200 00
500 at	19	95 00
1000(S5)at	19	190 00
4200 at	20	840 00
6000(B 60)at	21	1260 00

McKITTRICK

500 at	34	170 00

MONTE CRISTO.

300(S60)at	2 30	690 00
750 at	2 35	1762 50

MONARCH OF ARIZONA.

2000 at	56	1120 00
100 at	49	49 00
500(S62)at	47	235 00
200(S90)at	48	96 00
300 at	53	159 00
300 (S90) at	50	150 00
1200 at	50	600 00

PETROLEUM CENTER.

1000 at	19	190 00
1000 at	18	180 00
1000(B60) at	18	180 00
2000 at	17	340 00
5000(S90) at	15	750 00
2600 at	16	416 00

OCCIDENTAL OF W. VA.

1000 at	54	540 00

REED CRUDE.

2000 at	52	1040 00
2300 at	53	1219 00

SAN JOAQUIN.

200 at	9 62½	1925 00
1000 at	9 75	9750 00
100 at	9 50	950 00

STERLING.

100 at	2 10	210 00
100(B60) at	2 00	200 00
100(B60)at	2 10	210 00

WOLVERINE.

100 at	1 05	105 00

WEST SHORE.

100 at	3 00	300 00

Shares 56,550 Amount $38,503

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San Francisco, Cal.

GAS IN VENTURA.

Oil Indications on Undeveloped Territory in this County.

That section of the Ventura valley immediately adjacent to Ventura bears a striking resemblance in many ways to the Summerland field. Not alone are there gas springs in many places, but oil springs and seepages, deposits of brea and beds of gilsonite and asphaltum are found in innumerable quantities.

In the river bed on the Chrisman place, according to the Free Press, oil and gas are constantly rising. The oil can be seen bubbling up and floating away on the surface of the water. Near by on the banks there are many gas holes. In a space of several feet the gas has been lighted and burns with a bright steady flame several feet in the air.

The Argonaut or Taylor Ranch Oil company some time ago erected a derrick on the western side of the valley and began drilling for oil, but work was suspended shortly after by the death of W. G. Adams. This well was located near oil and gas seepages and much was expected of it when at work.

The company piped water from the main line on the avenue to the well. During the high water last month the water pipe broke and the pipe was placed in one of the gas holes by some boys. The gas was lighted at the other end, several hundred feet away, and for many days a bright steady light was burning a short distance from the road. The length of time which the gas burns, the steadiness and force of the flames would indicate an inexhaustible supply somewhere on the avenue. Across the road and in a direct line with these, a well was sunk several years ago in what is now the Barnard lemon orchard, and it is well known that a strong flow of gas was struck as well as indications of oil. For some reason the well was abandoned. Farther east in the canyon on the Hartman place a well was drilled for water about eight years ago. At a depth of 150 feet a flow of gas was struck, which, rushing from the mouth of the well sounded like the waves on the beach and could be heard at a great distance.

Along the sides of the canyons on the Hartman and Fraser places many oil seepages are noticed and there are beds of asphaltum and gilsonite. On the mesa east of the avenue, there is a large area which has dropped perpendicular into the earth, showing plainly some sort of internal disturbance.

Farther up the valley in what is called Brea canyon, the Weldon Oil company is doing the first thorough development work yet attempted. For several years this company has been mining asphalt in the canyon and about two months ago began drilling. The well is located on a line between the asphalt mine and a great seepage of live oil and according to the estimate of the drillers, oil should be found at about 700 feet. They expect however to have to go 1000 feet, but will go 2000 feet if necessary.

The Los Angeles Exchange

Stocks continue to move briskly on the Los Angeles Exchange and while the aggregate business transacted during the week past will not quite reach the high-water mark of the preceding seven days, nevertheless trading has been good and prices on the whole very satisfactory. While it may be said with truth that some of the strongest oil companies' securities will not always bring their real value on the open market, owing to the limited purchasing capacity, exchange prices may be taken in the long run as a fair criterion of stock values.

Reed Crude has been weaker during the past few days, ex-dividend sales being made in some quantities as low as 53½c, the closing quotations for last Saturday being 54c. At these figures many thousands of shares have changed hands. Westlake has advanced from 17¾ to 19 cents. On account of the recent strike Uncle Sam gained a couple of points during the week but has again receded to 9½ and 10 cents United Petroleum reached the $125 mark during the week at which price numbers of shares went over the board. Southern Consolidated went up several notches, influenced by bids for large quantities from the management. The twin stock Fullerton Consolidated was similarly influenced by heavy bidding from the office. Both have shown some signs of weakness since.

Queen of Arizona, the only mining stock regularly listed on the exchanges climbed from 27 to 32 cents on account of the favorable report by the exchange committee which went to Arizona to inspect the property, augmeuted by several large buying orders. This stock bids fair to become one of the popular traders of the board.

The curb shows signs of renewed life, many unlisted stocks changing hands at slightly better figures.

Holders of oil stocks in general are apparently taking a more optimistic view of the petroleum market situation.

To Drill in Redding.

The former Reddingite is forming a company in San Francisco for the purpose of drilling for oil on his place on the river bank known as Gleavesville. Mr. Gleaves owns several acres there bounded on the north by the river, east by the sawmill tract and south by the Redding cemetery.

If oil is not discovered artesian water undoubtedly will be, and that in itself would be valuable.

At the Mount Shasta well, gas is still in evidence. A depth of 190 feet has been attained. The drill was in extra hard sandstone Thursday.

For the benefit of those who are unable to get away week days the Mount Shasta people are to drill all day Sunday. Undoubtedly many will avail themselves of the opportunity of witnessing an oil drill in operation. The drilling crew will take their weekly vacation on Monday.

OIL LANDS

General Agency for Oakland and Alameda Real Estate.

Oil Lands in proven districts

Appraisements made. Full charge taken of property.

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San Francisco Office, Room 30, 2nd floor Mills Building.

Telephone, Main 285

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Pacific Coast Securities . . .

Stocks Bonds Mines

Oil Lands and Ranches

45 Sutter St., San Francisco, Cal.

TELEPHONE, BUSH 209

If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

Jacalitas Petroleum Co.

Operating in the Great

Kern River District

The most successful Oil District in California, and the largest producer of crude petroleum in the state.

Our property is in the heart of this oil producing district.

There is absolutely no possibility of a dry well on any portion of our land.

Money spent in stocks in Kern River district is an investment sure to bring satisfactory returns. Small capitalization. Economical management.

Write or call for a prospectus, map, etc.,

JACALITAS PETROLEUM CO.,

399A Parrott Bldg, San Francisco

RECENT WORK AT COALINGA.

Developments in the Southeastern Part of the Field.

It has been shown by practical experience that the oil in this field trends from the northwest toward the southeast. Without doubt there are many strata of oil, some of which lie close to the surface in places, one overlying the other, and as development proceeds toward the southeast new strata are encountered from time to time, and oil of various gravities are found. West of the Coalinga field the extensive outcroppings of oil sand, on either side of well-defined anticlines, seepages and oil springs, are of frequent occurrence. This particularly applies to the Warthan canyon region. The canyon has been formed by the eroding away of the crest of the anticlinal, and all along the sides of the canyon, as it crosses township 21-13, can be seen stratum after stratum of sand that is heavily impregnated with oil. Near the northwestern end of the township are several oil springs, and an extensive seepage is found on township 21-14. In section 24, 21-13, the anticlinal leaves the canyon, and for a short distance runs unbroken. It is in this western extension that companies are now beginning to operate with success.

The southwestern limits of the Wartham valley is barred by the Coast Range Mountains, on the northwestern side of which is a formation of shale, sandstone and calcareous rock, and from the summit of which rises what is known as the Old He Wall. This rocky barrier is supposedly a fragment of the floor of what was once the ocean bed raised in vertical form to a height of over 2000 feet above the ocean level, 150 feet in thickness and several miles in length.

Throughout this entire valley, the indications of oil are plentiful, but, though it has been claimed that oil sand has been found, no thorough exploration has been made, though some thousands of acres of land is tied up under mining claims.

The magnificently producing wells that won reputation for the Coalinga field were on section 20, 19-15, but in the interim such developments have been made on section 28 as are likely to eventuate in that becoming the most productive part of the field. Indeed, section 28 is as much a surprise by reason of the generous formation of the oil stratum as section 20 was by its pinching narrowness along the section dividing line.

The Hanford Oil company, organized about two years ago as a semi-close corporation, and with an issuance of only 2000 shares of stock of the par value of $10. The officers of the corporation are: D. Finn, president; S. Shannon, vice-president; F. Hight, secretary, and Messrs. Finn, J. J. Mooney, Herman Nathan, S. Rehofer, Frank Pryor and J. La Blanc for the board of directors. The stock is now quoted at from $105 to $108, with practically no sales, for from the first the company has, by the exercise of good judgment, developed the 640 acres it controls at a minimum cost and with a maximum of return upon the investment.

In striking contrast to other parts of the field, the oil stratum on section 28 is as flat as a billiard table. It appears as if a bit of the Kern River field had been dropped on the extreme edge of the Coalinga hills. That in itself has proven a most fortunate thing for the company, which has preferred to lease most of its land on royalty while slowly developing its own home territory. The Hanford has itself got one well completed, and is drilling on No. 2, and a 25 horse-power gas engine and pumping plant is now being installed. There are thirteen completed wells, however on Hanford ground. The Oil City Petroleum leases 200 acres and an equity in an additional eighty acres. The "38" Oil company leases 120 acres, of which an equity in forty acres has been sub-leased to the Independence on 20 per cent royalty, and also has four producing wells, the average production of which is seventy barrels a day.

The Independence on its sub-leased land has five producing wells, and one now being drilled. The average production is fifty barrels a day. The Fauna Oil company, of which Attorney L. C. Cory of Fresno is president, leases 30 acres and is drilling on its first well. It is down 400 feet, and at about 500 feet it is expected to touch the oil sand. The Rock Oil company subleases 80 acres from the Oil City on a 20 per cent royalty, and has well No. 1 down about 1100 feet. These several leases leave the Hanford company with 160 acres of unleased territory to exploit at its leisure while receiving a handsome royalty on the entire production of section 28. The average depth of the wells on this section is from 900 to 1000 feet, and the average production rom 75 to 80 barrels a day.

While work is active in other parts of the Coalinga field, that being carried on in the western extension is—with that being done in 28—the most important, as it opens up a wide vista of possibilities as to the productiveness and permanence of the oil stratum extending along the very border of the foothills as they grade into the valley.

The Confidence is operating in 13, 19-5, and has some fairly good flowing wells. Nos. 2 and 3 are producing and No. 4 is being completed. The average depth is about 900 feet. Judge Risley, late Superior Judge of Fresno county, is interested with other Fresno men in the work being carried on in this section, and owns himself about 100 acres in the southeast corner that has not yet been exploited at all.

Two or three days ago the Confidence well No. 4 struck the oil sand at 1000 feet. There are 700 feet of oil in the well, and Frank Cleary the superintendent, believes it will produce 100 barrels.

Immediately across the dividing line on section 30 the Ætna company of Fresno struck a heavy flow of oil last week. It is just across the section line, and close to but an angle from the Confidence wells, and is down between 900 and 1000 feet.

The Golden State is also operating in section 30, north of the Confidence and Producers' Guarantee, and is now down on the first well about a hundred feet.

The Coalinga Standard Oil company has 66½ acres in the NW ¼ of section 31, leased from the S. P. R. R. company at a royalty of 25 per cent. It adjoins the Confidence on the east, and is bounded on the north by El Capitan's land, where a well is now being drilled 100 feet from the line. To the west is the Roanoke company, on section 36, whose well is aiso in course of being sunk; and on the south are the Crude Oil and Esperanza companies, on section 6, who are also drilling. Last year a rig was on the ground and work begun, and a well is down 400 feet. At from 700 to 800 feet it is expected that it will be in oil sand.

In section 32 the Ajax, Call, Corona and Wisconsin companies have rigs on the ground and have begun drilling, and the same applies to the Tower.

There is some prospecting going on in an eastern extension of the oil field, but so far sufficient work has not been done to determine the character of the ground. The Caribou company has got a completed well in the southwest corner of section 22, but it produces only about 30 barrels.—Democrat.

Around the Bay.

Contra Costa is looming up. The Harvey well is in oil. On Monday Clover Leaf struck a heavy flow of gas and struck the shell that covers the oil in Coalinga field. Clover Leaf Stock is selling at $2 per share up to 10th inst.

If you want a prospectus printed call at this office. We have hundreds of cuts to choose from.

Delinquent Sale Notice.

Loma Prieta Prune Ranch. Principal place of business, San Francisco. Location of ranch, Monterey county, California.

Notice.—There is delinquent upon the following described stock, on account of the assessment levied on the 25th of February, 1901, the several amounts set opposite the names of the respective stockholders,

	Shares	Amt.
George J. Bucknall	5	$50
Thomas P. Woodward	2	20
James F. Muirhead	2	20
O. M. Smith	1	10

And in accordance with law and an order of the Board of Directors, made on the 25th day of February, 1901, so many shares of each parcel of such stock as may be necessary will be sold at public auction at the office of Madison & Burke, 636 Market St., San Francisco, California, on Monday, the 22nd day of April, 1901, at the hour of 3 o'clock p. m. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Directors, FRANK MORTON, Secretary.

J. B. HILL,

Member Producers' Oil Exchange.

ORDERS TO BUY OR SELL OIL STOCKS PROMPTLY EXECUTED.

Office—Belden Block, 137 Montgomery street, room 13, second floor.

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

Safe Investments

INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order NOW and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

MOSTELLER & ALLEN, Brokers
565-566 Parott Building, San Francisco
Send postal for "Oil Facts and Figures," now in press.

A GOOD SHOWING.

A Company That is Not Afraid to Make a Financial Statement.

Below appears the balance sheet of the Corning Oil & Gas company, whose advertisement appears in another column. This company is one of the strongest now operating north of San Francisco, and unless all signs fail the well now being drilled should strike a good flow of oil.

Some companies seem to be extremely unwilling to make a full financial statement, and a good many enquiries are made as to how the money received from sales of stock and otherwise has been expended. A statement like the following is easily prepared, and would, if published, relieve the minds of many anxious stockholders.

BALANCE SHEET.

	Dr.	Cr.
Capital stock.....$		$14,749.50
Chas. Kaufman, Treasurer.....	6,959.67	
Real Estate.....	3,125.00	
Machinery account.	4,407.42	
Bills Receivable.....	120.00	
F. Houghton.....	85.15	
Lease account.....	500.00	
Expense account.....	823.18	
Wm. Liersch.....	30.00	
Thos. McGuinness.....	105.00	
Chas. Nonneman.....	500.00	
Mrs. Gus. Liersch.....	250 00	
F. M. Kesselring.....	50.00	
Geo. E. Tuman.....	200.00	
Profit and Loss.....		9.05
Electric Light account..... ...	2.40	
Private Telephone Line....	85.05	
Freight.....	205'00	
Mrs. A. C. DeLuce..... .	15.00	
Miss Virginia Boyd.....	10.00	
G. W. Markham..... ..	30.00	
B. V. Crumrine.....	2.00	
John J. Shultz.....	25.00	
W. B. Miller.....	35.00	
Mebius & Drescher.....	200.00	
Geo. H. Hale.....	100.00	
California H. E. & Supply Co..		3,105.47
Wm. E. Wheelock.....		85
	$17,864.87	$17,864.87

Statement—Assets

Amount in treasury..... .....$	6,959.67	
Real Estate (400 acres land)...	3,125.00	
Machinery.....	4,407.42	
Note of G. W. Markham.....	120.00	
Lease account—20 year lease on 3,370 acres.....	500.00	
Private telephone line.....	85.05	
Personal accounts owed us.....	1,637.15	16,834.29
Accounts showing loss, Expense $838.18, Light $2.40, Freight $205.00.....		1,030.58
		$17,864 87

Assets $16,834.29—Liabilities $3,106 32.

The Kern Valley.

F. R. Deremer, the Secretary of the Kern Valley Oil company, is an active representative of a wide-awake concern. Although incorporated only March 5, the company has already put its first rig in place and is now at work on its Kern River holdings, section 14, 28-27, as the following letter will show:

SAN FRANCISCO, MAR, 31, 1901.

F. R. DEREMER—Dear Sir: I have to report to you that the Standard rig for the Kern Valley Oi. company is being placed on section 14, 28-27, just north of the Lincoln Oil company. I have duplicated the rig of the "Wisconsin" on 24; it is rated the best in this field. There is very flattering news from the wells around where Kern Valley is placed.

The Lincoln are actively going down. With a double crew they recently got 1040 foot of the best drive pipe (nine-inch) from Middletown, Pa., and are completing the well with it. I would request that you order 800 feet, ten inches, 600 feet eight inches, drive pipe (same as Lincoln) for the Kern Valley. I am more than ever taken with this drive pipe. Instead of the ordinary casing, most of the companies are adopting it. The cost is somewhat more to start on, but the well is much surer. I am getting a forty-horse-power steel boiler and thirty-horse-power engine and cables, to go down 1500 feet. This power will be sufficient to drill one, and pump two or three at same time. We set the derrick on that plateau just off road (where we thought best) about sixty feet in from east line and 125 feet from line Lincoln. We can have a cluster of four wells on this plateau. I have made all necessary contracts for water, etc.

An Energetic Manager.

One of the most enterprising oil men of the city is W. A. Fourness, Consulting Engineer for the Western Oil, Clare Oil, and Manchester & Liverpool Oil companies. These three companies under his management are rapidly making preparations for development work in the several well known districts of the state. Each of the companies is organized under the law of South Dakota, making their stock non-assessable.

A limited number of shares of each is now on sale at twenty-five cents per share, to provide funds to push development. Mr. Fourness is interested in oil lands in many parts of the state and has offices at 228-9 Parrott building, San Francisco.

G. H. Jones.

It is with regret that the REPORTER records the death of G. H. Jones, who passed away suddenly on Wednesday, Apri 3. Mr. Jones was prominently engaged in the oil business, and was a member of the board of directors of the California Petroleum Miners' Association, since its inception, was treasurer of the Anglo-American Oil company and also connected with the World Petroleum, Zem Zem and other companies of recent formation. He was a man of sterling character, well-known in the business and social life of San Francisco and for the past few years has been active in promoting the oil interests of the state. The funeral takes place Friday at Masonic Temple.

Coalinga Water Supply.

The lack of water has been one of the handicaps under which companies in the Coalinga field have labored, but this has been measurably overcome. Captain McClurg was drilling in the Alcade canyon for oil and struck artesian water, but it was too far from Coalinga to be piped at a profit. Since then he has sunk a well on the lower benches of the Coalinga foothills, and the Coalinga Water company, after carrying its pipe line for about six miles, is now supplying twenty-five rigs with all the water necessary at the rate of $125 a month for each rig. As the running expenses are nominal, the cost of sinking the well, installing the pumping plant and laying the pipe line being the sum total of expenditures, the return from a water well is not to be desp sed.

The Coast Range Water company is operating on section 12, and has a force pump and 70 horse power boiler. In twenty hours 105,000 gallons of water can be pumped into an upper tank that is 600 feet above the wells in the oil field, but to date all the water pumped has been utilized by the rigs now operating on the western extension of the field.

On section 18 a company, in which Robertson & Rawlins, the Hanford capitalists, are the leading spirits, is sinking a water well and in the near future will also be supplying water, particularly to the closely adjacent western extension.

MADE MONEY IN OIL

Each and every one of our investors is making money in oil. We are not working on prospects, but by safe, sure and profitable investments we are earning substantial profits for our many investors.

So Can You

If you will consult we will put you right.

Standard Oil Promotion and Investment Co.

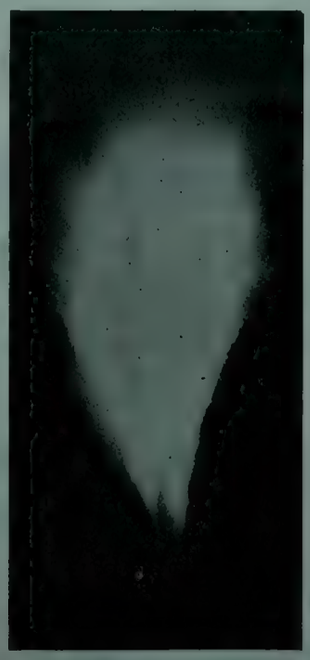
INCORPORATED.

LICENSED BY UNITED STATES GOVERNMENT.

575-576-577 Parrott Building - - San Francisco, Cal.

Corning Oil and Gas Co.

Of Tehama County, Cal.



Offers for sale 10,000 shares of stock for development purposes at

50c Per Share

CAPITAL STOCK - - $100,000
TREASURY STOCK - $100,000
PAR VALUE OF STOCK - $1.00

F. Houghton, President,
Wm. E. Wheelock, Vice-President
Chas. Kaufman, Treasurer.
H. P. Andrews, Attorney.

Leases 3730 acres of oil lands for 20 years and owns 400 acres in the Stoney Creek Gas and Minera District.

Write for prospectus giving State Mineralogist's report and analysis of gas from three shallow wells in our territory.

Henry McGuinness, Secretary,

Corning, Cal.

Desert Oil Claims.

The record for the number of desert oil claims filed in a day was broken one day last week when location notices for 191 claims, covering 30,500 acres were filed in San Diego. On the preceding day there were 89 claims filed, making a total of 288 in two days. Of the 191 claims 170 were filed by a party of San Francisco people composed of T L. Owen, E. H. Michels, H. M. Gorham, Thomas Hodge, Charles M. Martin, Hermann Zadig, A. S. Wilberg, Alfred Fuhrmann, W. A. Jacobs, P. Kerr, C. M. Sontagg, J. V. Coleman, and J. A Ferson. All of the 170 claims are contained in one notice, a brief description of the location of each claim being given. The majority of them are in townships 14, range 7, 8 and 9 east, while some of them are in township 13, range 8 and 9. Some are in township 16, range 11. The total number of acres in this lot of claims is 27,200.

Oil Companies Incorporated.

Rand, Oil & Land company. Principal place of business, Randsburg, Kern county Directors: M F Doland, G E Craig, E G Dixon, J B McAuear, E J White, T McCarthy, W Blanchard and W A McGinn. Capital stock, $500,000; subscribed, $800.

Brown Shale Oil company. Principal place of business, Oakland. Directors: B C Winston, E T Soderstrom, L B Mallory, J I Smith, H D Curtis, A C Van House and H Schmidt. Capital stock, $300,000; subscribed, $700

West Point Oil company. Principal place of business, San Francisco. Directors: W W Deamer, R F Cahill, D Jutton, W S Armstrong and G B Jacobs. Capital stock, $10,000; subscribed, $1,500.

Noyes Land company. Principal place of business, Santa Barbara. Directors: J W Taggart, A T Noyes, W B Metcalf, W J Barnett and A G Booth. Capital stock, $56,000; subscribed, $500.

Wheeler Oil company. Principal place of business, Fresno. Directors: W M Bettridge, J T Lowry, W A Ferguson, W J Kittrell and C C Wheeler. Capital stock, $100,000; subscribed, $500.

Midas Oil company. Principal place of business, Chico. Directors: J W Roper, R A Newbarth, J W Griswold and J G Newbarth. Capital stock, $300,000; subscribed, $600.

Canfield Drilling company. Principal place of business, San Francisco. Directors: E Sanborn, F H Yost, Bakersfield; J B Gildersleeve, Palo Alto; C M Fickert, San Francisco, and D M Dorman, Rivera, Los Angeles county. Capital stock. $60,000; subscribed, $100.

Mescalitan Island Oil & Development company. Principal place of business, San Francisco. Directors: J Dolbeer, J S Spear, Jr., W H Seamans, T Kirkpatrick, D T Cole, A G Meyers, H P Bancroft, J Simons and J W Carr. Capital stock, $600,000; subscribed, $9,000.

Cuthbirth Oil & Development company. Principal place of business, Los Angeles. Directors: T L Beers, J Cuthbirth, W P Saunders, C J Wells, C A Manuel, all of Los Angeles. Capital stock, $300,000; subscribed, $3,600.

El Zandero Oil company. Principal place of business, Los Angeles. Directors: H Zandero, W Waddington, M E Waddington, B D Zandero and T R Harris. Capital stock, $75,000; subscribed, $41,320.

Cedar Ridge Oil Oil Development company. Principal place of business, Alameda. Directors: J B Barber, A W Cornelus, A D Cushing W P Dillon, D S Brehaut, E J Dubbs and W B Hodges. Capital stock, $100,000; subscribed, $60,000.

East Rumsey Oil & Development company. Principal place of business, Guinda, Yolo county. Directors: T Steele, G Boniface, L S Vertrees, L P Everett, R L Neiman, B Dutton and F L Gibbs. Capital stock, $200,000; subscribed, $7.

Colusa County Oil company. Principal place of business, San Francisco. Directors: J D McGill, Oakland; H M Orr, C L Merele, Alameda; A A Andre, B F Harville, San Francisco, and A A Eckstrom, Los Angeles. Capital stock, $500,000; subscribed, $35.

Oil Canyon Company of Monterey county. Principal place of business, Los Angeles. Directors: M Dieterle, A A Lyon, Wm. Dellamore, F W Erbacher, R H O'Bryans, M J Whitman, all all of Los Angeles. Capital stock, $500,000; subscribed, $7.

The Worsick Asphalt Paving company. Principal place of business, Hanford, Kings County. Directors: G B McCord, W H Worsick, F Bader, N P Duncan, L S Chitte den, J Manasse, J O Hickman, all of Hanford. Capital stock, $10,000; subscribed, $100.

California Central Gas & Electric company. Principal place of business San Francisco. Directors: John Martin, F H Pierson, H N Roeding, H R Noack, San Francisco, and J A Briton, Oakland, Capital stock, $500,000; sudscribed, $500.

Superstition Mountain Oil company. Principal place of business, San Diego. Directors: E A DeHaven, C W Geoghegan, H E Mills, F H Mead, P C Remondino, all of San Diego. Capital stock, $25,000; all subscribed.

When you want to swear go to
LEB D. CRAIG
Notary Public and
Commissioner of Deeds
16 Montgomery St.
bet. California
and Pine, San Francisco.

VAST FORTUNES IN OIL

have been made out of small investments in first-class oil stocks. The surest, safest and most profitable investment before the public to-day is

CALIFORNIA OIL STOCK

but do not allow yourself to be bunkoed by the unscrupulous protmoors who will fleece you out of three times what the stocks are worth, and will tell you any kind of a story in order to get your coin. Buy only through regular U. S. Government Licensed Brokers, who will charge you only the lowest market prices. We can sell for cash or installments at greatly reduced prices, 500 or 250 shares, 50 or 25 shares each in the following reliable companies, all operating in the principal oil producing districts of the state:

Bachelor's Oil company, Pacific Petroleum company Ltd., California Rock Oil company, Hollister Crude Oil company, Three States Oil company, Palm of Devil's Den Oil company, Diamond Oil company, Famoso Oil & Inv. company, Sunset Center O. & D. company, Contra Costa Oil & Pet. company.

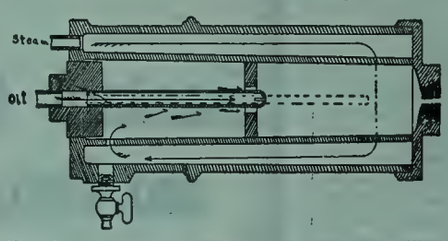
Do not buy your "eggs all in one basket." We can save you from 25 to 40 per cent. Before you invest write to

THE OIL INVESTMENT AGENCY

PAUL R. LEWIS, Manager and U. S. Government Licensed Broker.
210 Hearst (Examiner) Building, San Francisco, Cal.

A Word to the Wise is Sufficient. Be Wise

Pacific Coast Machinery Company



Dealers in Crude Petroleum for fuel and gas and manufactures of the Land kin Retort Oil Burner unequalled for economy and ease of regulation. Complete oil burning plants our specialty. Oil delivered in carload lots or by tank wagon or drum. Bakersfield, McKittrick or Coalinga oil in any quantity, long time contracts or otherwise. Lowest prices, best and most economical equipment. Everything guaranteed. We also manufacture the Larkin Oil Filter for filtering dynamo and machinery oils. In addition to our fuel oil business we are also agents for the Stirling Water Tube Boiler, St. Louis Car Company, Missouri Car and Foundry Company, and the G. D. Boiler Cleaner Company. If you are thinking of using Crude Petroleum for fuel give us a call.

Pacific Coast Machinery Company, 12 Fremont Street, San Francisco.

THE DABNEY OIL COMPANY

OF McKITTRICK (Incorporated)

Has opened offices in this city at 330 Pine Street, Rooms 5 and 6. The Dabney Oil Company has now Ten Producing Wells. Will complete two more this month and two in March. Will pay a dividend April 1st. Owns the famous Dabney gusher. Is selling oil in carload lots. Offers a limited number of shares of its stock at **$1.00** per share. A gilt-edged investment. Will pay not less than 1 per cent a month in dividends on and after April 1, 1901. Can you do better? Call or address

DABNEY OIL COMPANY, 330 PINE STREET, ROOM 5.

For information and terms for oil in carload lots apply at the office.

Kern River
Oil Land.

Proven territory on line of Railroad for sale. Splendid chance or those about to form an oil company.
This is on the Grace Oil Company's tract, which has been drilled upon and proven to be fine territory. Oil wells also to the north, east and west. We have nothing cheap to offer. This is no wildcat, but proven valuable oil land in the best known field in California. Railroad runs through property. Storage Company's tanks on adjoining tract.

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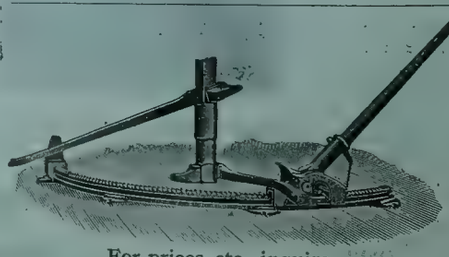
S. C. MASON, Agent, 101 Chronicle building



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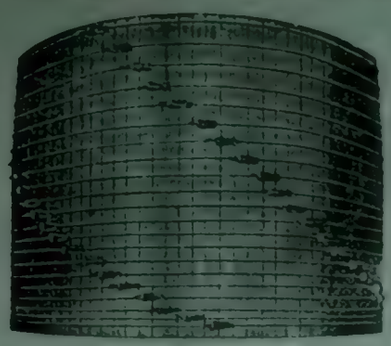
The Excelsior Adjustable Round Hoop Tanks

Are the **Cheapest Most Practica** AND **Satisfactory TANKS.**



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30,000 Gal. Size 20-2½x14 feet high.

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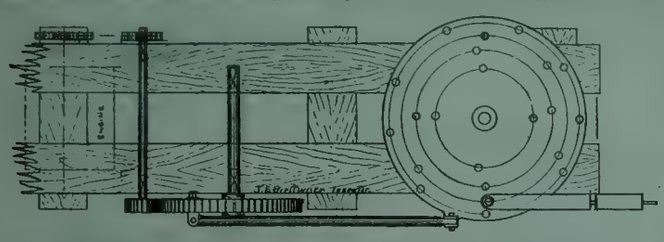
A PUMPING POWER

That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



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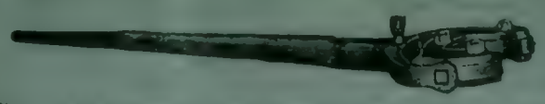
The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem boxes



Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.
It is only necessary to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.

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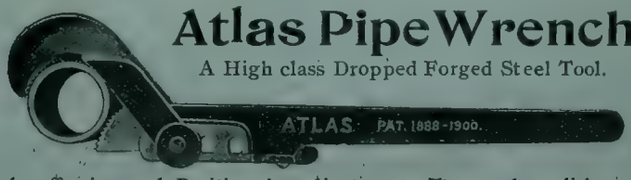
Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.



Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

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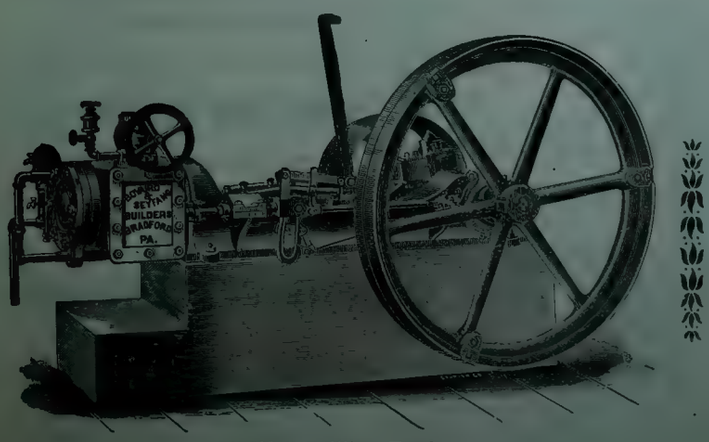

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ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, F. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francsco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

COLOSSAL OIL AND MINING COMPANY.
Capital.....$500,000
500,000 shares at $1.00 per share.
Location of lands, Kern, Sonoma, Santa Clara and San Mateo counties, 2200 acres of proven oil lands.
Officers: Geo. W. Frame, president, J. M. Gale, vice-president and manager, N. Hawthorne Spitzer, secretary and treasurer, A. W. Gale, superintendent of construction.
Offices: Emma Spreckels Bldg., 927 Market St., San Francisco, Cal

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOLDEN REWARD OIL & DEV. CO
Capital.....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14, M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice president, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street. San Francisco, Cal.

GREAT NORTHERN OIL, CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital..... $1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in MKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office, Room 435, Parrott Building, S. F.

J S POTTS OIL, LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 3 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president. J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Ed. win R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MULBERRY OIL COMPANY.
Incorporated March 5, 1901, under the laws of the Territory of Arizona. Stock non-assessable. Capitalization $500,000 divided into 100,000 shares par value $5 each. This company owns 260 acres on the San Benito River in the San Benito district. Oil found in this district is of the best paraffine base. Officers—Edward Bowman, President; Richard Keller, 1st Vice-president; B. Struven, 2nd Vice-president; S. M. Snyder, Secretary and Treasurer; H. G. Davis, Attorney. Directors—Edward Bowman, Richard Keller, B. Struven, S M. Snyder, H. G. Davis, C. M. Depew, M. B. Ryer. Offices—927 Market St., rooms 218, 219.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A D Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

PCINT RICHMOND OIL COMPANY.
Incorporated August 7, 1900 Capital $100,000. Number of shares 100,000 Land in Contra Costa County Officers and directors—President, Henry B Russ, capitalist; Vice President, J C Martin, road foreman of engines S P R R Co. Treasurer; I W Taber, President Taber Photo Co, Secretaary Arthur Wheeler, attorney S D Woods, member of Congress for Second District, Stockton. A Keller, agent S P R R Co, Alameda Point. J O Denny, journalist, San Francisco. Office, room 41, fifth floor, Mills Building, San Francisco, Telephone, Main 1765.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital..... $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Co kling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY.
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Chunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn. W. W. Hutchinson-Maurice V. Samuels, Attorney; Union Trust Company, Depository. Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office—552 Parrott building, San Francisco, Cal

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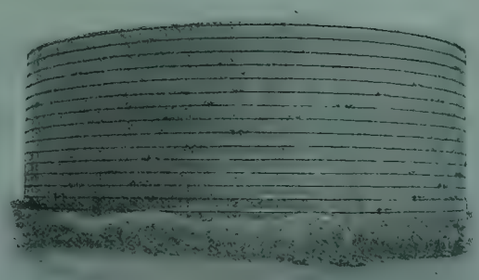

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Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	240 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

Drilling on Section 10, Township 30 S, Range 21 E, McKittrick District, to be commenced early in March. This property is adjacent to the largest producers in the State.

We are negotiating for other approved Oil Lands, the leases of which are on file, with option clause to purchase.

The first block of stock is now exhausted.
The second block of stock to the amount of 100,000 shares is now selling at 50 cents per share.
The third block of stock to the amount of 100,000 shares will soon be on sale at $1 per share.

The company reserves the right to withdraw all stock from the sale without further notice.

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Is now established by the proven richness of its holdings in the Kern River District. We are not only in the CENTER OF OIL PRODUCTION IN CALIFORNIA, but our first well is the peer of anything in the vicinity. Our engagements require us to complete three more wells this summer, making

Four Wells in Six Months

That is the reason why we will sell Treasury Stock for a short time longer at the same price. WE MUST HAVE QUICK CASH FOR RAPID DEVELOPMENT. Energetic work now will put the company on a dividend paying basis this year.

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At the old price of 50 cts. a share. Stock will be advanced to 75 cts the 10th day of April, at which time well No. 2 will be on the pump

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VOLUME 3 NUMBER 25

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, APRIL 12, 1901.

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Standard Oil Promotion and Investment Company

PACIFIC OIL REPORTER

VOL. 2. NO. 23. SAN FRANCISCO, CAL., FRIDAY, APRIL 12, 1901. PRICE, TEN CENTS

OIL FOR THE ISLANDS.

Pacific Coast Manager of the the Standard Oil Company Returns from Honolulu.

The Prospect Exceedingly Favorable that a Large Amount of Oil Will Be Used for Fuel at the Islands. A Tank Steamer to be Built at Once.

On Friday of last week Mr. W. S. Miller, the Pacific Coast manager of the Standard Oil company, returned from an extended business trip to Honolulu.

The object of Mr. Miller's visit to the Hawaiian Islands was to ascertain whether or no it was possible to introduce oil into the islands to take the place of coal for fuel.

Mr. Miller did not attempt to make any definite contracts for the simple reason that he could not guarantee the delivery of oil immediately and also because he did not propose to guarantee the islanders with oil at a certain price when perhaps the price of oil six months or a year from now would differ greatly from what it is at the present time.

He saw enough, however, to prove to his entire satisfaction that the manufacturing and other industries of the islands presented a vast market for the California oil industry, and immediately on his return the Standard Oil company decided to commence the building of a mammoth tank steamer capable of holding a million and a half gallons of crude oil or over thirty-six thousand barrels.

The construction of this steamer will commence at once, but it may be nine months before it is completed and before she makes her appearance in the San Francisco harbor. She will be built in the East.

If it is possible to secure one of the tank steamers now plying for the Standard Oil company between Atlantic and European ports, she will be used immediately for transporting oil from California to the Hawaiian Islands.

The Standard Oil company now employs a large fleet of tank steamers and this fleet is constantly increasing as the demand for American oil increases in Europe. The outward trips are made with oil. The steamers are so constructed that they can be thoroughly cleansed from even the smell of oil and their return trips are always made loaded with merchandise of every description. The tank steamer which will run between San Francisco and Honolulu will go out loaded with oil, will then be cleaned and will return loaded with the products of the islands.

The coal men of Honolulu have become decidedly alarmed at the prospect of having to compete with oil, and are proposing to lower the price of coal to such an extent as to make it practically useless for the fuel consumer to change from coal to oil. The manufacturers, however, realize that it is impossible for the coal men to keep their promises and that it is absolutely impossible for them to furnish coal at as low a price as oil can be furnished. The coal men are also endeavoring to make conditional contracts with ship owners which will enable them to obtain greatly reduced freight rates, but as their proposed arrangements are purely conditional there is no reason for believing they will be consummated.

Tank Steamer of the Standard Oil Company now plying between Atlantic and European ports. This Steamer will carry 36,000 barrels of oil. A similar Steamer is now being constructed for the Standard Oil Company, to run from San Francisco to the Hawaiian Islands and elsewhere.

NEW STATE MINERALOGIST.

Lew E. Aubury, State Mineralogist, California State Mining Bureau.

On the 6th of the present month the new State Mineralogist, Lewis E. Aubury of Los Angeles, assumed the duties of State Mineralogist vice A. S. Cooper, term expired. Mr. Aubury is an experienced mining man and metallurgist, first employed by the Standard Mining company at Bodie in 1879. The following year he was located at Tombstone, Arizona, where he was superintendent of the Mayflower mine for several years. He introduced the process of working gold ores and tailings by the cyanide process in this territory, and installed the first plant for this purpose. He has also been engaged in mining operations in different places in Southern California, Arizona, New Mexico, and done considerable work on mines in Mariposa. He has been recently consulting engineer and mining expert for California and Arizona companies. Mr. Aubury has announced his intention to invite the attention of Eastern capital to the mining industry of the state, and with this view will issue a bulletin in a few months giving the status of the copper mining in this state and its future outlook. He states that the value of the copper produced last year was about $4,250,000, that is, about $1,000,000 more than oil. The copper prospects which exist the entire length of the state are to be mapped and described, that Eastern capital which has been looking to Montana and Arizona for copper investments may be attracted to California. Quicksilver mining is also to receive a larger share of attention, and more interest will be taken in quartz mining. Mr. Aubury has attained high professional rank as a metallurgist and mining engineer and as a successful mining operator. He is a native son, having been born in Placer county in 1862 and is a past grand president of the N. S. G. W., in which order he is very popular. He is a member of the American Institute of Mining Engineers and is second vice-president of the California Miners' Association, in which he has been an active leader for several years. He has a wide acquaintance with the miners and mining industry of the state, high professional attainments and much practical experience. He is a man of pleasing personality and high character, endowed with energy, ambition and executive ability and will undoubtedly effect an efficient and progressive administration of the Mining Bureau. He states that the oil industry will not be slighted during his term but will receive its full proportion of attention. Field work cannot be begun until after July 1, when the new appropriation for the bureau becomes available. After that date field assistants will be appointed and the investigation of the oil and mining fields will go on. Since the appropriation for field work was exhausted, Professor W. L. Watts, who has long devoted himself to the oil industry in the service of the bureau, has been working on his private professional account as an expert with headquarters in Los Angeles, but it is anticipated that he will be reappointed to the service of the bureau by July and resume his familiar work. A. S. Cooper, the retiring State Mineralogist, who has attained such a wide reputation as an expert in the oil industry, and who has given the industry so much attention during his administration, has opened an office in San Francisco and will devote himself to the industry in a professional way.

SOUTH OF KERN RIVER.

Increased Attention Being Directed to This Promising District.

Thousands of Dollars Now Being Expended in Actual Development—Derricks Being Erected on Every Side—Several Important Oil Strikes Have Been Made.

Some years ago Mr. W. L. Watts, C. E., who until lately has been connected with the State Mining Bureau as its Field Expert, and who is acknowledged to be one of the best geologists who has ever examined California formations, spent some time in Kern county as the guest of John Barker, who at that time owned, and still owns, a large tract of land south of Kern river and south of the most thoroughly developed oil portions of the Kern River field.

While stopping with Mr. Barker as a guest, Mr. Watts made careful examination of the land in the vicinity from a geological standpoint, and informed Mr. Barker at that early period that he believed that oil could be found in vast quantities in that section of territory which is now termed "the South of the River Oil District."

The territory comprised in this comparatively new district lies east and north of Bakersfield, mainly in township 29, range 28, and in township 29, range 29. The Southern Pacific railroad runs along the southern boundary of the district, the term "southern boundary" meaning that actual development work has not as yet extended beyond the line of the railroad.

Until recently the Kern river has practically been the southern boundary of the Kern River district.

Why this should have been so long regarded as the southern boundary of this great producing section is hard to determine. The river bed is but a mere scratch on the surface. There are no geological signs south of the river which would indicate that oil cannot be found as abundantly there as it is found north of the river. Why the derricks should be lined up as thick as cornstalks in a field north of the river, and not one should be seen across the narrow and shallow bed of Kern river, is a mystery which no one thought to unravel by drilling until a few weeks ago.

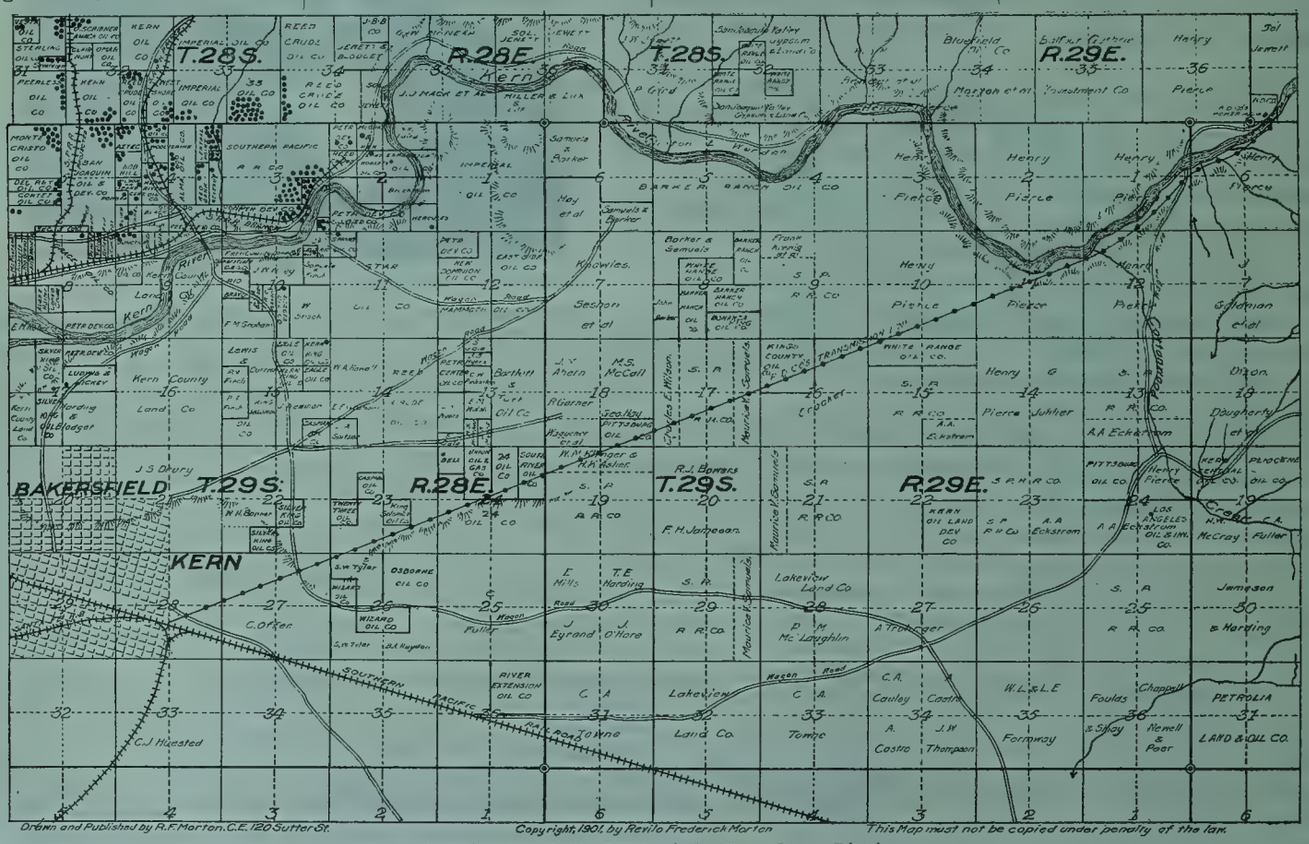
Since the first of January a marvelous change has taken place in the aspect of this south of the river district. Derricks are being built as fast as teams can haul the lumber out of Bakersfield. Drills are pounding their way down to the oil sand as fast as modern machinery and powerful engines can drop them into the wells. Already oil has been struck, and of a quality which is even superior to that found north of the river.

Maurice V. Samuels, an attorney of this city, and who is largely interested in different oil enterprises in different oil districts, has the greatest faith in the ultimate outcome of the territory south of the river. He says: "In common with many other people who have made careful examination of the Kern River district I am strongly inclined to believe that the best part of the Kern River district, so far as the quality and quantity of oil is concerned, is yet to be uncovered. The oil which has been discovered thus far in the Kern River district in the territory north of the river is of a comparative inferior quality. Its gravity is low. Scientists tell me that the oil discovered north of the river is not an oil found in its natural state or place of formation but is an oil which has probably seeped from lower levels and has become thickened through a seepage process. They tell me that the original oil will be found in larger quantities and having a higher specific gravity lower down. Now the trend of the strata in the Kern River district is from the north to the south, therefore if the opinions of the scientists are worth anything a superior quality of oil will be found south of Kern River but at a greater depth. In other words, although it will cost more to drill a well south than north of the river, yet the result in the end will be more satisfactory on account of the better quality of oil obtained in larger quantities."

Referring to the territory south of the river, the oil writer of the Bakersfield Echo has this to say:

"This side of the river is now beginning to attract the attention of oil men in a way it would seem it should have done long ago. They have gone east and north with scanty or no results, when all the best wells on the north side were those nearest the river, clearly indicating, it would seem, that the best prospecting ground was on the opposite side. There are reasons why it may be necessary to go deeper, but usually, where the oil formation lies lowest, are the most productive wells. Before any marked attention had been directed this way, oil had been found in more than one place, but it seems the boring outfits were inferior and good wells could not be opened. Now some fine rigs are at work and the value of this part of the oil field will soon be determined."

Samuel & Knowles, whose office is in the Chronicle building, in this city, have made fortunes for themselves and their associates on account of their successful oil operations north of the river. It is a significant fact that these gentlemen have recently acquired a large tract of land south of the river and are on the lookout for more. Mr. Samuels, on being questioned as to his opinion as to the oil value of this portion of the district, frankly stated that he believed that within a comparatively short time very important discoveries would be made south of the river and that he and his associates were acquiring all the land they could, and he went on to say to an OIL REPORTER representative: "While I believe that the south of the river portion of the district will soon be producing very largely, still I prefer that nothing should be said about it. The motive which prompts this desire is I frankly confess purely



Morton's Map of the South of the Kern River District.

selfish, but when the value of this land is fully realized its price will correspondingly increase. The value of this land is increasing rapidly each week as new discoveries are being made and unless these discoveries are stopped the land will bring as much per acre south of the river as it is north of the river, that is from $1,000 to $4,000 per acre. We are not now engaged in actual development work ourselves because the companies we have already developed are producing largely themselves, but the time will soon come when you will see our land covered with derricks and when storage tanks will be even more of a necessity than they are now across the river."

Among the companies, individuals and firms now operating in this new district are the following:

Bakersfield Oil & Dev. company.
J. W. Wiley.
Samuels & Finch.
W. Snook.
Rio Bravo Oil company.
Acacia Oil company.
F. M. Graham.
Lewis & Currier.
Eagle Oil company.
Kern King Oil company.
King Solomon Oil company.
J. Newman.
Caspian Oil company.
J. S. Drury.
The Star Oil company.
Spring Oil company.
W. A. Howell.
L. A. Spitzer.
Crude Oil company.
Imperial Oil company.
Petroleum Development company.
New Dominion Oil company.
Eastside Oil company.
Petroleum Center Oil company.
C. W. Pinkerton.
Twenty-Four Oil company.
Bell Oil company.
South Side Oil company.
Union Oil and Gas company.
River Extension Oil company.
Beaver Oil company.
Samuels & Barker.
Samuels, Knowles, Sesnon, et al.
M. S. McCall.
W. K. Ashurst.
Barker Ranch Oil company.
White Range Oil company.
Bonanza King Oil company.
R. J. Bowers.
F. H. Jameson.
Lake View Land company.
Frank Kœnig.
Kings County Oil company.
Henry Pierce.
Kern Oil Land Dev. company.
Los Angeles Oil & Invest. Co.
Dixon, Dohety, et al.
Kern Central Oil company.
H. W. McCray.
Kern Valley Oil company.
Jameson & Hardy.

One of the companies which has struck oil in this newly discovered oil district is the Rio Bravo, operating in section 8 and 10, 29-28. This company has for its directors, M. A. De Laveaga, one of the leading capitalists of San Francisco; William Palmtag, president of the Farmers and Merchants Bank of Hollister; Hon. Thomas Flint, Jr., president pro tem. of the Senate, Geo. Dillman, and George W. Clark. The San Francisco representative of this company is W. C. Graves, the attorney, of 402 Kearny street. This company expected to be obliged to drill at least 1,000 feet before oil was struck. The company was agreeably surprised a few days ago to strike the oil sand at 870 feet when oil was obtained in great quantities and with a force which sent it spouting over the top of the derrick. This company is practically a close corporation. They refused to sell any stock until they had demonstrated the fact that they had oil. It is needless to say that now they have put their stock on the market it is being taken up with avidity by those who appreciate a good investment.

Another company which has struck oil is the Acacia, operating in 10, 29-28. The superintendent of this company is Paul D. Finch, a contractor, who put down successfully ten wells for the Reed Oil company across the river. Mr. Finch is now one of the leading stockholders in the Acacia, and is to be congratulated on the fact that his well struck a good flow of oil at 1000 feet. The company is not satisfied, however, with the well at this depth but will continue it to the third stratum of oil sand if it has to drill to a depth of 1500 feet where it expects to strike the underlying light oil.

The Spring Oil company, operating in 11, 29-28, has already a forty-barrel well obtained at the slight depth of 400 feet. Well No. 2 is to be drilled at once.

The Electric Oil company is now drilling its first well near the Acacia, and is down about 550 feet with 100 feet of oil sand.

Ludwig, Hickey & Eaton, in 17, 29-28, at a depth of 1100 feet, have struck a fine flow of oil on property belonging to H. A. Blodgett and T. E. Harding.

Messrs. Snook & Finch have a first-class well at 1005 feet in 10, 29-28.

The Caspian Oil company have a well down 874 feet in 15, 29-28, and will go deeper.

The King's County Oil company originally was operating in the Kreyenhagen district, where it controls 520 acres. Being unsuccessful in the Kreyenhagen, it moved over to the South of the River district on to the northwest quarter of 16, 29-29, and drilled a well 320 feet, which gave them a bountiful supply of water which up to that time had been a scarce article. They resolved to use this well for a water-well and have moved their rig ten feet away and are now drilling well No. 2, which will be continued, if necessary, to 2,000 feet. This well is being sunk jointly by the Kings County Oil company and the Bonanza King Oil company. This company, of which Mr. Hotaling is president, drilled a well to a great depth in the Coalinga district unsuccessfully and then determined to move to the district south of the river, and have joined forces with the Kings County Oil company to prove the territory.

The Twenty-Four Oil company is likely to be one of the most profitable oil companies now operating south of the river. It owns all of section 24 in township 29, range 28, consisting of 640 acres. Before purchasing the company had the best expert advice as to the value of this land for oil purposes, and its stockholders confidently believe the ground secured to be as good as the best in the Kern River district. The general manager of this company is Mr. Harry W. McCray, one of the best known civil engineers and surveyors in California. For many years he has been connected with the Kern County Land company and understands the oil situation of Kern county probably as well as any other man who has made a study of the territory. The president of the company is J. F. Parkinson, a wealthy citizen of Palo Alto, and the vice-president is William Palmtag, president of the Farmers' and Merchants' Bank of Hollister, while the secretary and treasurer is J. B. Heywood, also of Palo Alto.

The Bell Oil company, a subcompany of the Twenty-Four Oil company has now a derrick up on the northwest quarter of the northwest quarter, and expects to commence actual development work immediately. The Twenty-four Oil company has made several very important leases to other companies; among these is a lease of the east half of the northwest quarter to the Union Oil & Gas company recently organized which has already ordered and obtained its rig and will be at work within thirty days. This company issues its stock guaranteed by first-class real estate mortgages, the appraised value of which largely exceeds the face value of the stock. The mortgages are deposited with the California Safe Deposit and Trust company. The company is under the direct management of John G. Whitson, and is virtually a close corporation, very little stock being offered for sale. At least eight wells will be sunk this year. Stockholders of this company run no chances and the stock, being of the best on the California market, will amply repay the investment. This company received an offer on Tuesday for two-thirds of its capital stock from the east.

Other companies which have been formed by subleases from the Twenty-four Oil company are the Bell Oil company and the South Oil company both of which expect to commence active development work immediately.

The Caspian Oil company is now down 874 feet on 15, 29-28, and is working in blue clay; they expect to have to go at least 1,000 feet if not 1,500.

The River Extension Oil company owns the northeast quarter of 36, 29-28, consisting of 160 acres of patented land. Scientific and practical examination has been made of the property by experts connected with the field from the very beginning. The topography of the property is such that every acre is available for development purposes, the Southern Pacific railroad passing through the section thus affording transportation. Water and fuel are at hand, while the title is absolutely perfect. The officers of the River Extension Oil company are well known among the oil men of the state. They are, H. Francis, president; W. S. Downing, vice-president; H. A. Jones, secretary and treasurer. The other directors are George A. Moore, F. Macpherson, H. A. Brown, and E. H. Kramer. With the large holdings of this company, the absolute certainty of striking oil and the constantly increasing value of its land, the stock of this company is meeting with a ready sale and will greatly enhance in value.

The Kern Valley Oil company is another strong company which has already started operations north of the river in 14, 28-27, but which also controls 2,2 o acres south of the river and east of Bakersfield in the oil district known as the Cottonwood Oil district. The Kern Valley Oil com- has over 6,500 acres of oil land in various districts, and financially is one of the strong companies of the state. It expects to commence operations in Cottonwood inside of thirty days, and will soon open up a large extent of territory which has been pronounced by experts to be second to none in the state so far as oil indications and geological formations are concerned.

It is a significant fact that the railroad company has withdrawn from sale or lease all its land in the south of the river district.

This has been done on the advice of J. B. Treadwell, who is the field expert and superintendent of the railroad in the Kern River district. Up to a few months ago Mr. Treadwell had given his attention almost entirely to the district north of the river, but having become convinced that the district south of the river was as valuable as that north of the river, he has advised the company to that effect, and as a consequence all the land belonging to the Southern Pacific has been withdrawn from the oil market.

The Wizard Oil company, which has 120 acres in 26, 29-28, is another strong company backed by ample capital and will be drilling by the middle of May. On Saturday last George E. Ames, Jr., who is the superintendent of the Wizard Oil Company, left San Francisco for Bakersfield to commence work at once. The rig has been purchased, and as soon as the drill commences dropping work will be pushed vigorously night and day until the oil sand is reached. The stock of this company has all been subscribed, and as the property of the Wizard Oil company is undoubtedly in the oil belt the promoters have reason to expect a first-class well. The officers of the company are H. Epstein, president; George E. Ames, vice-president; John J. McCarthy, secretary; the London & San Francisco Bank, depository.

In speaking of the district south of the river a Los Angeles oil paper last week says:

"Property bought in section 22, 29-28, at $100 per acre three weeks ago cannot be had now for $300 per acre.

"Friday of last week the northwest quarter of section 25, 29-28, was sold for $2,000 to a Seattle syndicate headed by J. M. Prather."

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

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FRIDAY, APRIL 12, 1901.

Go Slow and Don't Worry.

"Give a calf enough rope and he will hang himself," is a maxim as true today as it ever was, and it applies to those who are bearing the price of oil. The companies who are selling at the lowest figures will soon be out of the business. Meanwhile the companies who are holding their oil in proper storage tanks, or better still, are not pumping their wells at all will in the end make money. Instead of selling their oil at 25 cents a barrel they will soon be able to get twice that for it, and by holding it are making money every day.

No Need to Grumble.

The last issue of the Petrolia Advertiser, published at Petrolia, Ontario, says: "Oil producers are not as cheerful this week. On April 1st (and this is no April fool joke) the price of crude dropped 2 cents per barrel at all the receiving stations in this district, making the figure rest at $1.59 per barrel."

If the Canadians grumble at $1.59 per barrel what would they say if, as a result of foolish competition, the price of oil at the wells dropped to 25 cents?

Several wildcat companies have already gone to the wall on account of the low price of oil. More will follow.

Certain companies are wondering why their stock is depreciating. Perhaps if they stopped selling oil at such low prices the price of their stock might advance.

Prior to 1876 the estimated production of oil in California did not exceed 175,000 barrels. In 1877 there was produced 13,000 barrels, and from that time on there has been a steady increase in the amount of the product, until last year the output amounted to 4,500,000 barrels.

THE LOW PRICE OF OIL.

Meeting at the Palace Hotel Called to Discuss Matters.

What the Managers of the Standard Oil Company and the Bakersfield Combination of Producers Have to Say About the Situation.

The following letter dated San Francisco, April 8th, 1901, has been sent to the various oil producers who have offices in this city. The letter is printed on the letter head of the Monte Cristo Oil & Development company, which has lately achieved some notoriety by making a large oil contract covering a considerable period of time with the Market Street Railroad company. The letter reads as follows:

Kindly remember that a meeting of the oil producers has been set for Friday evening, April 12th at 8 o'clock at Marble Hall, Palace Hotel

The undersigned has been requested to call this meeting by important producers, and one of the important subjects which will be discussed will be the selling price of oil, and an effort will be made, if sufficient of the producers are present, to prevent the present competition of oil against oil and to adopt ways and means to obtain satisfactory and profitable returns for all oil sold. Other matters of importance to producers will be discussed and if deemed advisable acted upon.

No one is bound to abide by the opinion or opinions of anyone. This is simply an attempt, if possible, to prevent competition among oil producers, and to prevent middlemen from slaughtering the product

Your presence is urgently and earnestly requested, and the views of each and every one will be listened to with consideration.

This will probably be the last effort made, if unsuccessful, to obtain joint action of some kind on the part of the producers. Every producer is directly and personally concerned. Be present, and be prepared to air your views.

Yours respectfully,
HENRY ACH.

This letter, coming as it does from the representative of the Monte Cristo Oil company will probably draw together a large number of oil producers who will be very glad to have Mr. Ach contradict the prevailing rumor that the Monte Cristo company was one of the main factors in bringing about the present demoralized state of the market by making its contract with the Market Street Railroad company. The phrase in the above letter "oil against oil" is exceedingly apt. Oil men are supposed to be in competition with the coal dealers, but just at present a number of the large as well as the small producers seem to be competing against the oil men who desire to obtain a fair price for their oil.

If the present ruinous competition does not cease, California oil men will find themselves in the same position as were the oil men of Ohio when the Ohio field first came into prolific bearing. In that state fourteen years ago the policy of "oil against oil" brought down the price to fifteen cents per barrel, at which price it remained until the producers arrived at the conclusion that they were losing money, and until increased consumption of oil made a demand for the material which enabled the producers to dispose of it at a profitable figure.

Some of the producers who ought to know what they are talking about declare that the present low price of oil is due to the fact that the Southern Pacific company, although it has plenty of tank cars, refuses to use them for transporting the oil. If this were so it would create a shortage in the market and the supply would not equal the demand, and consequently the refusal of the Southern Pacific to haul oil would increase the price of the oil which they were willing to haul.

The S. P. company, however, is using its best endeavors not only to build their own tank cars as rapidly as possible, but also to obtain more from the East.

In an interview with the Pacific Coast manager of the Standard Oil Company, Mr. W. S. Miller spoke as follows to a representative of the PACIFIC OIL REPORTER:

"One result of the present demoralized state of the oil market will be to ruin a number of small companies who have made contracts or are about to make contracts which they cannot fill.

"In the attempt to obtain the money for further development purposes some of these companies have agreed to sell oil at prices which are lower than the price of production. Consequently, instead of obtaining money for development purposes they will find that they are losing money, and in three months will be worse off than they were before. The result will be that they will soon become absolutely penniless and their property will be swallowed by other and larger companies which have had sense enough to hold their oil rather than sell it at ruinous prices. Other companies have made contracts which they cannot fill because they will not be able to produce the oil themselves or to buy it from others. They in their turn will soon be swallowed up.

"Other companies have made contracts to deliver oil for a considerable length of time and have given bonds for the faithful performance of their contract. These contracts in some cases are very long. Now we will say they have contracted to deliver oil at twenty cents at the well. Suppose in six months they find that they can obtain 35 or 40 cents per barrel at the well or even more. The result will be that it will pay them to forfeit their bonds at a loss perhaps of many thousands of dollars provided that by forfeiting the bonds they can make twice as much money as they lose.

"Just now the question is 'how can the demand for oil be increased.' We are buying thousands of barrels every week and we are also using every endeavor to increase the list of consumers. Manufacturers all over the coast are beginning to realize the superiority of oil over coal but it takes time to make the changes, and after the changes are made in some instances it takes a little time to perfect the new burning arrangements; but when oil comes into general use as a fuel the demand will increase to such an extent as to regulate prices in spite of foolish competition. When these conditions are realized we may expect to see the end of a demoralized oil market."

Mr. George X. Wendling is the president of the combination of Kern County oil producers among which are some of the largest companies in Kern County. Some of these companies are backed by large capital and additions are being made daily to this combination. Said Mr. Wendling on Wednesday:

"I fully realize the present condition of the market. Oil is being sold at a low figure. In some cases I am told individual contracts are being made at a price that scarcely covers the cost of production and in almost every case the price which is asked for oil is lower than what it should be.

"It is said, however, there is no great evil without some good and this maxim applies to the present condition of the oil industry.

"Our Association is making contracts every day with consumers and these contracts would not have been made were it not for the extremely low price of oil. Oil is now being used in manufactories, not only in San Francisco, but throughout the interior and the number of manufacturers who are changing their furnaces from coal to oil burners is increasing daily.

"It takes time, however, and money as well, to make these changes. Many thousands of dollars have already been spent by manufacturers in making the necessary changes and these changes would not have been made had not the present low price of oil made it an object so to do.

"It also happens, in many in-

stances, that those who make the necessary changes were not thoroughly acquainted with their business, and when the machinery was started up it was found that the oil burning appliances were not placed as they should have been, and the work had to be done over. This has meant a shut down in the factories and a consequent considerable loss of money. This loss, however, has been largely compensated for by the present low price of oil.

"Another reason which accounts for the demoralization of the market is the fact that certain producers having but few wells and these newly perforated have attempted to foist upon the market oil of such a character as to make it practically useless for fuel purposes. The oil thus furnished in many cases has been full of sand and has had an excessive percentage of moisture. This oil is offered at exceedingly low prices, say from 20 to 25 cents a barrel and not worth half that, in fact, being practically useless for fuel purposes.

"I am told that last week one company from Kern county shipped eight carloads of oil to San Francisco and the entire lot was so filled with sand that it was rejected.

"When and how the present state of affairs will stop it is hard to suggest but I believe the end is very near and that within a very short time the price of oil will reach its normal figure."

Over ten years ago Mr. R. W. Gorrill, who is now associated with F. M. Smith, the borax king, in Colusa county, examined a large portion of Kern county with a view to possible oil developments and at that early day vainly endeavored to interest capital in drilling for oil.

In relation to the present state of the oil market Mr. Gorrill has this to say:

"The price of oil in San Francisco must be based on the following proposition: The lowest price of Welsh anthracite coal that has ever been delivered in San Francisco is $5 50 per ton. It usually runs at about $8.00, but taking the base of $5.50 per ton, the heat units produced by one ton of Welsh anthracite coal exactly equals the heat units produced by four barrels of the Kern River oil. To make the following deductions and calculate the true price of oil in San Francisco, four barrels of oil must equal the price of one ton of Welsh anthracite coal. From these four barrels must be deducted the freight, which today is 49½c., or say, 50c. per barrel. This would bring the heat units of oil at $2.00 per ton, which, deducted from the price of Welsh anthracite coal, would leave for the four barrels $3.50 in the field. The price of oil in those fields must be 87½c. per barrel, or else the oil cannot be imported to this market. This deduction is absolutely arbitrary, as any man in a moment can figure it out, and without doubt this establishes the price of fuel oil in San Francisco, unless the product should exceed the demand, which is hardly a possible conclusion to arrive at."

In other words, Mr. Gorrill argues that in order to compete with coal, oil cannot be sold in San Francisco at more than 87½c. per barrel.

Transportation of Oil at McKittrick.

About New Year a right of way was given by the McKittrick Oil company and the McKittrick Extension Oil company to the Southern Pacific Railroad company for an extension of the Asphalto branch from a point near the quarter corners between sections 21 and 22, township 30 south, range 22 east, M. D. M., to a terminus one-quarter of a mile east of the corner post between section 7 and 18, in the last-named township, and sections 12 and 13 in township 30 south, range 21 east, M. D. M. One of the conditions of the grant specified that the road shall be in operation within six months from date thereof. The movement of oil is much facilitated by this extension, the new station being known as Olig.

The Dabney company has a pipe line from its storage tanks to the station at McKittrick, about a third of a mile away, and three stand pipes for loading cars. The fall to the station is about 200 feet, and the oil, being of light gravity, runs easily to the railroad.

The new station of Olig is on the McKittrick company's land, and on the same section the company has granted to the Pacific Coast Oil company and the Union Oil company the right to construct their storage tanks. With the field piped, the difficulties heretofore existing will be done away with. The Kern River has had its own four-inch pipe line to McKittrick, and during the summer pumped oil for the Giant also. In winter the oil would not run freely. Now the Giant has a line to the new station, and the Kern River company is taking its line up. The McKittrick is now putting in a one-half mile pipe line, and other companies are improving their facilities for handling the product in a similar way.

10 Cents Per Share

One Well started, with Two Others contracted for

10 Cents Per Share

Stock will advance to 25c on April 15. The company will fill all orders at 10c placed in the mail up to and including above date.

THE KERN VALLEY OIL CO.

OF CALIFORNIA

Incorporated with a strong directorate under the laws of South Dakota Capital stock 500,000 shares. Par value $1 per share. 200,000 shares in the treasury. Stock non-assessable.

HAS 6,600 ACRES APPROVED OIL LAND

in best districts: Kern River, Sunset, San Diego, Poso, Glenn County. Will have a drill going on the lands in thirty days. Two other wells contracted for. We own 2670 acres in the celebrated Cottonwood district, Kern Co., Cal. Oil lands for sale or lease on most reasonable terms.

A very few Shares left at 10 Cents per Share

Write at once for full report and maps, and all information to

THE KERN VALLEY OIL COMPANY

OF CALIFORNIA

Room 13, 5th Floor, Mills Building,

San Francisco, Cal.

A Few Reliable Agents Wanted on the Coast and in the East

STOCK Non-Assessable

STOCK Non-Assessable

THE GORRILL WELL.

A New Well to Be Drilled Immediately near Arbuckle.

R. W. Gorrill returned this week to Colusa county where he has been engaged for some time in the endeavor to strike oil about nine miles from Arbuckle.

Mr. Gorrill is an oil expert second to none in the state, he having studied under Prof. Thurston of Ohio, and having gained practical experience in the oil fields of Ohio, Pennsylvania, and Nova Scotia. He also was employed by the government for a long time in experting the oil fields of Japan.

Mr. Gorrill has associated with him in his oil business Mr. F. M. Smith, the borax magnate. These gentlemen have the utmost faith in the oil future of Colusa county, and they have secured by lease and by purchase eighty square miles of land which they believe is equal to the best oil land in the United States so far as geological indications are concerned.

Mr. Gorrill has drilled two wells thus far in Colusa county, and has obtained an oil of a superior quality in each well, but owing to the formation of the ground has been forced to abandon both wells at about 900 feet. He has gone back to Colusa this week to commence another well where he believes the formations to be such as will enable him to drill to a depth of 1500 feet where he expects to strike oil of a superior quality. Mr. Gorrill uses exceptionally heavy machinery and strings of tools on account of the hard formation which he has to go through. Yet with the machinery at hand he can make as rapid progress as is made in other localities where the formation is softer.

If Mr. Gorrill succeeds in striking oil of a quality and in the quantity which he expects it will revolutionize Colusa county, and make F. M. Smith one of the greatest millionaires of the age.

Work at Temblor.

This oil field is an outlying part of the McKittrick district, and is ten miles to the northwest, comprising one-half of range 20-2, township 29. Although some extensive developments have been made the extent of the field is altogether undetermined. It is believed, however, that it is a mere continuation of the oil belt, and like the more southern districts the width of the oil stratum has yet to be defined.

Work in the district began in the spring of 1900, says the Democrat, and now the Climax Oil company, in section 36, 29-21, has four producing wells, each flowing about forty barrels, and that have never been perforated. These are shallow wells, a depth of only 400 feet having been attained, with seventy-five feet of oil sand. The oil is of light quality, but has an admixture of water.

El Zumo Puro has a well nearly completed, and a strike was recently reported, which has not, however, been verified. Other companies busily at work sinking are the Little Standard, Adirondack, Argonaut, DeGroot, Common Sense, Diamond, Gould Center and Oil Center, and several others.

The only actual bit of bad luck was encountered by the Gould Central. The well first sunk had to be abandoned, but operations have been begun on another site.

Water for boiler use has been rather scarce, and before the extension of the McKittrick line the nearest station was about thirteen miles southeast. And now the haul to Olig is a long one. With the development of the oil field this season, however, a further extension of the railroad will be made if it is warranted by the oil production in the Temblor field.

Another Texas Gusher.

A press dispatch says the sixth gusher oil well has been added to the Beaumont field, and it is reported to be the finest well yet struck. The well is 1040 feet deep and shows a pressure of eighty pounds to the square inch, which is said to exceed the Lucas gusher, 100 feet away, and which has hitherto maintained the record of being the greatest producer in the world.

The oil pool where it was struck is only forty feet deep and is resting on a bed of sulphur. After the oil was struck the pipe was permitted to sink until it struck the bottom and it rested after forty feet had gone down. The drillers then bored four feet into what they say is a bed of pure sulphur. In two of the other gushers sulphur was struck before the oil was reached.

Bakersfield Realty Transfers.

John B. Wright, Laura Clarke Wright, James L. Gillis, Kate Gillis, Daniel W. Carmichael and Myrtle R. Carmichael, all of Sacramento, have deeded to Harry M. Davis of Richmond, Mo., and Clark W. Harrison of London, the ten-acre tract described as a portion of section 29, 28-28. The consideration was $45,000, or $4500 an acre.

George T. Folsom has deeded to his wife the S½ of the NE¼ and the SE¼ of the NW¼ of section 1, 30-28. The consideration was love and affection.

Lot 31, in section 36, 30-27, has been deeded to John Griffith by the Kern County Land company.

John Kett of Tehachapi has sold to Miss M. G. Brown of Berkeley an undivided one-half interest in the NE¼ of section 20, 32-34.

W. C. Bissell has purchased from A. N. Jones and others the SE¼ of section 2, 25-27, the NE¼ and SW¼ of 32, 25-28 and the NE¼ and SW¼ of 20, 26-27.

The SW¼ of 6, 31-23, comprising 160 acres, has been deeded from N. P. Chipman, to John Heenan to C. Hunsaker to the Almota Oil Mining company.

John Crump has leased to J. T. Handsaker and J. R. T Mershon the SE¼ of the NW¼ and the SW1-4 of the NE¼ of 32, 31-23.—Californian.

If you want a prospectus printed call at this office. We have hundreds of cuts to choose from.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

Lincoln Oil Company OF OAKLAND, CAL.

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered to Investors for A Short Time.

1686 Acres of Oil Lands

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28 27, Kern River district has passed through rich oil sand and will soon be finishedwith the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

This splendid company has been shut down for forty days waiting for a carload of drive-pipe, which arrived on the 28th of March, and is being put down by a crew working night and day.

It was found that when work was ready to proceed, eighty feet of oil had oozed in from the bottom.

For further information apply to

J. H. EDSON, Central Bank Building, Oakland, Cal.

A few Reliable Agents wanted to sell our Stock

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts the State.

BUTTE.

The drill which was lost in the Hesperian well in Butte county has been fished out and operations resumed.

COLUSA.

Four oil companies will be operating in the Bear-Sulphur creek country in the near future, and two have already begun operations near Bear creek.

The Minor Oil company began drilling Wednesday March 27th, and on Saturday the drill was down forty feet in rock. This company is in section 10, township 14 north, range 5 west.

The Bear Valley company was putting up its derrick last week and are now drilling. This company has its rig located at the junction of Bear creek with Sulphur creek, in section 27. The Gibson oil seep is in the connecting section half a mile away. The Chehalis company's land is only a short distance away, and it will have a rig on the ground in a few weeks. This will make five rigs in the territory.

CONTRA COSTA.

The Tide Water Oil company has struck a fine flow of oil. This company is located about eight miles from Antioch. The drill is still going down and the flow of oil increases.

Two new companies backed by Eastern capital have been formed this week and intend to commence active development work immediately in the vicinity of the Tide Water Oil syndicate. The names of these companies are Paxton Gold Bond Oil company and the Antioch Oil company.

FRESNO.

Mercantile Crude is fighting sand and water at Coalinga.

Star No. 1 is over 1000 feet on section 34 and making hole.

Crescent, in the Coalinga field is pulling 11 5-8 to go deeper with it.

Carmelita, near Coalinga is 950 feet and has a casing job.

El Capitan is in the third sand and looking well.

New York will begin spudding on section 20 on No. 3 in a few days.

Frank Cleary reports 700 feet of oil in Confidence No. 4, on section 31.

Commercial Petroleum No. 1 is 400 feet and waiting for a rope socket.

Minnesota No. 1 is over 1000 feet on section 33 and the water shut off in the blue shale.

Sam Shannon came in last week and started up on the Hanford No. 2.

Fred McNear was in last week to take a look at his Main State well No. 1. It is a good one.

Ajax is 1015 feet with 9 5-8 casing.

Lockett has two good wells on section 30. Sand troubles him, as it does all of the wells in that end of the field.

Coalinga Oil company and Home have quit pumping temporarily. There are about 150,000 barrels of oil stored at Coalinga.

Coalinga Oil company's big 35,000-barrel tank ran over last week and a loss of 1000 barrels of oil was sustained. Joe Chauslor remarked that he didn't care about the oil, but hated to see the white painted tank streaked.

Balfour, Guthrie & Co., who purchased the California Oil & Gas company's property at Coalinga, are now waiting the arrival of the company's incorporation papers from England, when the organization of the company under California laws will be completed and active operations begun. The passage of a new Incorporation Act in the old country has delayed matters.

HUMBOLDT.

The hall at Briceland and Mr. Briceland's residence have been fitted with gas pipes, and are burning natural gas from the gas wells in the neighborhood. Mr. Briceland has but recently put gas burners in his residence.

Sidney M. Stone, superintendent of the Wild Goose and Humboldt oil wells, has been having some work done at the Humboldt. This looks as though business would commence there in the near future.

W. W. McGuin, representing the Union Oil company, an Eastern concern, and in no way connected with the Union Oil company of California, was in Petrolia recently. Mr. McGuin has made an examination of the Humboldt oil belt and believes there is oil there, but he says it will require a 2800-foot well to reach it. He also made an examination of the Briceland and Garberville oil lands.

The attempt to get hold of the lost tools in the Wild Goose oil well has failed, and as a result it is believed that the company will order the rig moved a short distance and another hole sunk. The hole is 1500 feet deep and 11⅝ inches in diameter. The driller succeeded in sinking a line of small casing some distance alongside of the stem and clearing the hole out nearly to the bottom of the bit, but when the casing was pulled up to allow the fishing tools to catch hold of the top of the stem, the loose walls caved again, filling the well up to the rope-socket on top of the stem.

KINGS.

Esperanza is about 300 feet on No. 1. The drillers are troubled with sand and water.

KERN.

The Hawkeye has discontinued work on 18, 28-28.

The Wilson has completed two wells on its Kern River section 4 lease.

The Palms Oil company of Bakersfield is pioneering in San Diego county.

On the west line of 13, 28-27, the Florence company is getting ready to begin work.

The Provident found oil on the east line of 23, 28-27, at 360 feet, a shallow depth in that neighborhood.

The Missouri, 29, 28-28, is down 800 feet in No. 1 and No. 2 has begun spudding.

The Nevada county, on 30, has two wells drilling, and is building the rig for No. 3.

The Amazon, on the southeast of 30, 28-28, has the timbers on the ground for the rig.

Forty acres in section 35, 12-24, have been secured by the Nanticoke Oil company.

Kern River, No. 8, is ready to be perforated, and No. 7 is to be finished this week.

The second well of the Mt. Diablo Oil company is put on the pump. No. 1 is to be deepened.

The Continental pays a dividend of three per cent on April 20th and the Central Point one of two per cent on May 1st.

The Cortez, 5, 29-28, has struck a streak of hard clay at 820 feet, which it cut only thirteen feet in ten days. There are 300 feet of sand so far.

The Volcan is to be at work on well No. 2 by the end of the week. A derrick is up and rig installed. No. 1 is ready for the pump.

The American Oil company is going to celebrate the beginning of drilling for oil at the Tehachapi with a bull's head barbecue on the 14th of April.

The Occidental Oil company has erected a building on section 2, 11-24 as a machine shop. The plant will include two large lathes and a steam hammer.

The Spencer, at McKittrick, has contracted for a 1500-foot well. It is now down only about 700 feet. They tapped a small quantity of oil at 350 feet.

On section 35, 12-24, on property adjoining the Royal Sunset company, the J. B. B. company No. 2 has reached the oil sand in its first well.

The Golden Rod, on section 8, 29-28 has 400 feet of oil sand in the hole and 150 feet of the casing has been perforated. Arrangements have been completed for work on well No. 2.

One of the new companies in the Kern River field is the Persells, which will soon begin operations on section 29, 8-28. The company owns ninety acres in the Kern River field.

The Globe's compressed air plant for lifting the oil from its wells in the Kern river field was given a trial the other day, and worked very satisfactorily.

The Raisin city's water well in the Sunset yielded at the rate of 300 and 400 barrels a day, on a six hour's test.

The Sunset Consolidated well is not flowing now, and has settled down to a very small producer, so the operators have decided to commence deepening it at once.

The Piedmont Oil company, on 29, 28-28, have 300 feet of oil sand in their No. 1 well, which was finished at a depth of 935 feet. Well No. 2 will be started at once.

Clairmount Oil company on 32, 28-28 have completed their first well at a depth of 950 feet and have 450 feet of rich oil sand. The well will be perforated this week.

The American company, which is ready to begin drilling at Tehachapi, has found globules of oil on the surface of the water in a twenty-six foot well recently finished. The bottom of the hole is in white porous sandstone.

The Sunset King company on section 19 has been bailing oil from the hole for several weeks and selling it to other operators in the field at 90 cents per barrel. So far the company has cleared $300.

The Randsburg "Miner" says that the parties who are going to sink a well in Black's canyon have selected the location for the well, and that the agreement will be signed up this week.

Two companies are to go in directly on the northwest quarter of section 23, 32-23, the Midway, one, the Sultana, which is almost ready to start; the other, the Dixie, which has its machinery on the ground.

Federal, on 3, 30-30, has passed the 1000-foot mark, but has made no strike yet The last string of 4½-inch casing has been inserted and drilling will be continued for a few hundred feet, unless oil in paying quantities is sooner discovered.

Kern Crude, a recently organized company, has a rig up and, barring delay, will be drilling by the middle of the week. It is located on 24, 32-23, not far from Bay City, whose well has already proven the productiveness of the sands in that locality.

A successful experiment has just been made in pumping oil from a well in the Kern River field with compressed air. This method has been tried with success in the local field, but the first really satisfactory result in the northern field was in well No. 1 of the Euclid Oil company, which was on the pump last week.

The Chicago Crude, on 30, in the Kern River field, is pumping four wells into the settling tanks, and will shortly be emptying into its big 25,000-barrel reservoir. Connections are now being made with the reservoir and as soon as completed the oil will be turned in. The

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

Safe Investments

INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order NOW and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

MOSTELLER & ALLEN, Brokers
565-566 Parott Building, San Francisco
Send postal for "Oil Facts and Figures," now in press.

Toltec on the same section has a reservoir of similar capacity, and is pumping preparatory to filling it up. It has two wells pumping and three drilling.

On the Superior Extension, 28, 32-24 Midway field, an abundant supply was tapped between 400 and 500 feet and for a considerable distance there was nothing short of a flood.

Black Goose in the northeast quarter of 24, 28-27 is also in rich sand and has excellent prospects. Its nine and five-eighths string of casing is in the ground 1110 feet—about the longest string ever driven in the river field.

Century in the southeast corner of 24, 28-27 has attained a depth of about 1100 feet and is in the sand. The drill has already gone into this stratum seventy feet and according to all reports it is very rich.

Equality, which has finished a small well on the southwest quarter of 21, 28-28, has determined not to sink it to a greater depth, but to begin a new one and send it down to the lower strata. This locality is comparatively new territory.

Chicago Crude on 30, in the Kern River field, is pumping four wells into the settling tanks and will shortly be emptying into its big 25,000-barrel reservoir. Toltec on the same section has a reservoir of similar capacity and is pumping preparatory to filling it up. It has two wells pumping and three drilling.

Many of the companies in the Kern River district are making temporary reservoirs by damming up small canyons and pumping the oil into them. The necessity for them comes about because of the car shortage, but will pass away with the increased facilities by the railroads. Sovereign has five of these reservoirs and Reed Crude several one of them twenty feet deep.

LOS ANGELES.

The Warner Oil company is at work deepening No. 4. The rig for No. 5 is rapidly approaching completion.

The Uncle Sam Oil company has completed well No. 18 in the local field, and reports that the new producer will be one of the largest in the west end.

The Central Oil company is drilling at present on Nos. 16, 28 and 30. No. 26 is pumping, but still has considerable water in the hole.

The present contractors, who are at work on the Raymond well, section 25, have carried the hole down to a depth of 1140 feet.

The Murphy Oil company's well No. 2 is 1900 feet deep with 7 5-8 casing hanging loose and a good showing of light oil, about 25 gravity.

The East Whittier Oil company has made over 400 feet on No. 2. A lost bit caused a short delay the first of the week, but drilling has been resumed.

The New England Oil company has its No. 2 well on section 30 down nearly 300 feet. The drilling is hard, but three small strata of oil sand were encountered during the first 200 feet.

The Home Oil company is making good progress on No. 12. After the completion of No. 12, development will be suspended for a time while some of the pumping wells are deepened.

One of the new holes just completed on the Geigrich property in the East End of the local field, sent in 1160 feet, is now giving up a steady flow of fifty barrels per day, and there are others.

On the Cornell grounds, near Yale street, in the East End, a well was recently put on the pump, and has since given up from thirty-five to forty barrels of oil.

In the middle-wes ern local field, near the corner of Colton and First streets, the Green Mountain Oil company has started well No. 3, which is to be drilled only a few feet from No. 2, one of the company's best holes.

The North Whittier Oil company is putting in a string of 4½ inch casing in the well being drilled on the north side of the foothills. Several small strata of oil sand have been encountered in the last sixty feet.

The Placerita White Oil company has found a site for its new well at Newball, which will be drilled on property adjoining that of the Freeman & Nelson. A Star rig has been ordered and a well will be under way within the next thirty days.

On the Bouton property, near Yale and College streets, in the East End, Maier & Zobelein are now pumping four shallow wells, which are giving a total of twenty-two barrels per day, showing that there is still oil to be found in the first stratum.

In the well of the Freeman & Nelson company, in Placerita canyon, the drill has gone down 500 feet, and there is oil in the hole within 150 feet of the surface. This company was delayed with a fishing job for three weeks, but has resumed operations.

The La Brea Rancho Oil company, operating in the nothwestern extension, recently purchased the La Brea ranch, and has been putting down wells for some weeks as fast as the drills could be sent. There are now some six producers, the last having just been completed.

It is reported that the Union Jack Oil company has abandoned its second well, commenced some time ago on land just south of First street, Los Angeles. The company had considerable bad luck with this well, losing a string of tools and twisting the casing.

The Central Oil company is making good progress on the grading for the 24,000-barrel steel storage tank to be put in at Los Nietos. The company already has storage for 12,000 at this point. A pumping plant will be connected with the tankage.

ORANGE.

The Fullerton Consolidated is ready to spud in.

The Fullerton-Sunset began drilling Monday.

The Santa Fe people will start work on their 27th and 28th wells next week.

The Rincon Crude Oil company's first well is down 1050 feet, having passed through two oil strata.

The Loftus company has resumed operations on No. 10, which has lain idle for a long time.

Gas is still flowing strongly from the abandoned Liberty company's well on Telegraph canyon.

Rig, engine and belt house are ready for the string of tools for the Columbia company's first well on land recently leased from the Union company.

Grading is completed for the new gas-engine power plant to be put in on the western extension of the Santa Fe lease, and like progress has been made on the new power house to be built on the Loftus properties.

The output in the Fullerton fields during March was over 52,000 barrels, there being an increase in the output on the Graham & Loftus, Santa Fe, Brea Canyon and Fullerton Consolidated leases.

Grading has been begun on a new site, recently selected, for the Olinda company's fifth well. It will be about half-way up the steep hillside, on the southernmost entrance to Soquel canyon, a hitherto untried locality.

SHASTA.

Natural gas has been struck in the well of the Mount Shasta Oil company at Sand Flats in Shasta county at a depth of 152 feet.

The twenty-six foot iron stem of the Shasta Consolidated Oil company broke recently when 700 feet below the surface. The drill had to be fished up and the stem sent to San Francisco to be repaired. The repairs have been completed and work resumed.

SAN MATEO.

The Bella Vista Oil company, much to their surprise has struck a fine seepage of oil at a depth of 135 feet in their well near San Gregerio. The drill comes up covered with oil and the contents of the sand pump are fairly soaked with it.

SAN BENITO.

The San Benito Oil company on the Topo, is drilling.

The La Primera is making fine progress.

The Hamiltonian Oil company in the Vallecitos is down over 150 feet.

The Hollister Petroleum Development company is down 170 feet.

The Cerro Bonito Oil company will purchase a Standard rig at Coalinga.

The work of constructing the San Juan Oil company's derrick near San Juan has commenced.

The Esmeralda contemplates putting up rig No. 2 on 26, 17-11 in Vallecitos.

The Bostonian Oil company will order a rig at once to drill on its 960 acres in sections 19 and 30, 7-11.

The Esmeralda Oil company has drilled fifty feet. This company struck a seepage of thirty-seven feet.

The World Oil company in Panoche is drilling right along and rapidly nearing a depth of 700 feet.

The San Benito County Oil company is now forty feet past the 1000 mark in blue shale.

The Hollister Petroleum Development company has reached a depth of 160 feet.

The derrick of the San Antonia Oil company on the Dougherty place near San Juan is completed.

The drill of the San Benito County Oil company has reached a depth of 1050 feet. A small quantity of oil was found.

Nonpareil rig No. 2 has drilled over 200 feet. If drilling were stopped now the company has about an eight-barrel well.

San Benito Crude Oil company has three carloads of lumber at Tres Pinos and is awaiting tools and machinery for drilling.

Two oil companies, the Partello and Randall are organized to work on territory leased from the American Mutual Oil Mining company, which holds over 42,000 acres in different parts of the Vallecitos. Work will commence on three wells before June 1. The American Mutual Oil Mining company holds about 3000 acres more in other districts in San Benito county.

SANTA BARBARA.

The Drexel Oil company is drilling on the Hope ranch.

The Jerome Oil company of Arizona has entered the Santa Barbara field and will drill on the Elizalde ranch.

Work on well No 2 on the North Star wharf is well under way. No. 1 indicates a fair producer, but power has not yet been rigged to pump it.

An engine and boiler for the Casmalia Ranch Oil company has arrived, and will be put in position this week. The company is down 850 feet and in very favorable formation. It is ex, ected that oil will be struck at 1200 feet.

The Seaside Oil company are moving their old seven and one-half motor to the North Star wharf, where it will be used to pump the wells of that company. A new five horse-power motor was set up in the new power house recently built and will pump the Seaside wells beyond the track.

The Western Union Oil company, on the Carreaga ranch, near Santa Maria, is attempting to straighten out its casing which collapsed by the earthquake several weeks ago. While working over 300 feet from the bottom of the hole, they have succeeded in bailing out considerable oil.

TEHAMA.

Twelve oil locations north of Paskenta were filed in the County Clerk's office Tuesday. Eight locations were filed the day before.

The Pacific Petroleum and Gas Development Company's well is now down to a depth of 200 feet in the earth. Gas in large quantities issues forth at that depth.

The Corning Oil & Gas company has been delayed in beginning its drilling on account of a defective stem which had to be replaced.

KERN.

The deed for the Mercedes twenty-acre tract along the southerly end of 5, 29-28 formerly a part of the Monte Cristo property has been placed on record. It calls for four payments of $25,000 each. The company has one drill in operation on its grounds and another about ready.

Valley View on 12, 28-27 has tapped what is said to be good sand at a depth of 1075 feet. The drill has not gone far into the stratum, but sufficiently to prove that the strike is an important one.

McKittrick's well No. 2 has gone into oil at 765 feet with 9⅝ casing. This well is even a better one than No. 1. When the sand was reached, though there was 500 feet of water in the hole, oil rose 150 feet in the casing. Well No. 1 demonstarted that there is at least 200 feet of sand at that point. Well No. 2 is 400 feet from well No. 1.

Thirty three and Imperial are engaged on the 35,000-barrel tanks on their grounds. When completed each will have a storage capacity of at least 70,000 barrels, and more will be provided as

Dey Crude Oil Co.

IN LOS ANGELES OIL FIELDS.

We are now drilling our well No. 1 on our property in the Western Extension District of the Los Angeles Oil Fields, with dozens of wells in close proximity.

IN THE FAMOUS SUNSET DISTRICT.

We have acquired 40 acres in this district already noted for its gushers and big producers, where we intend to commence drilling in June.

BUY NOW NOW AT 25c.

Our non-assessable treasury stock is offered for sale at 25c per share only until April 20th, when price will be advanced to 50c per share. Orders by mail given prompt attention. Dividend paying stock for sale.

Rooms 6 and 7, 8th floor Mills Bldg., San Francisco.

soon as required. The companies are installing a pumping plant and will be in line to force the oil up into the tanks.

Shasta on the southeast of 14. 28-27 has penetrated three thin strata of oil and has gone ninety feet into clay.

The Oil Rate Case Postponed.

The hearing in the case of the oil producers against the Southern Pacific and Santa Fe companies for a reduction in rates of oil transportation was postponed by the Railroad commissioners until Friday, May 3. This was done at the request of Frank H. Short, who represented a number of the producers, as he desired time to prepare and file an amended complaint. Other oil companies were represented by Ex-Attorney General Hart, and Attorneys Herrin and Stevens appeared on behalf of their respective corporations. The original complaint had been filed on behalf of nineteen oil companies, and the railroad attorneys had entered a demurrer on the ground that the complaint did not state sufficient facts and did not give the rates desired by the companies.

Los Angeles Stocks.

After a week of spiritless trading, during which time only an average amount of business went through the clearing-house, the Los Angeles Stock Exchange wound up the week's business last Saturday with a good deal of flurry, over 27,000 shares of stock changing hands during the single session of that day.

Westlake was the most active security, and advanced rapidly from 19 to 21 cents. The increased demand for this stock was brought about largely by the report of a second sand having been discovered in one of the company's wells that has just been deepened. Reed Crude has been registering steady losses, having fallen from 54 to 53 cents, closing Saturday at 53¼c. Continental has suffered from a small bear movement, and was forced down during the week to 9½c., recovering slightly later. Yukon has become an unknown quantity on the Southern Board. Central holds its own at $1.15, and is apparently on the rise. Southern Consolidated, after a brief jump brought about by active bidding by the management, has fallen lower than ever, and is now quoted at 5c. Still further advances have been made by United Petroleum, which has climbed to $130 per share. Pacific Slope holds its own and is apparently on the advance.

Only two mining stocks have found a market during the past few days. Queen of Arizona, which has made a steady advance from 25 to 32½ cents. Butte Lode also found buyers at $20 a share. The mining committee of the exchange is now engaged in an effort to list a number of the better class of mining companies' and considerable activity is expected in this line.

The Dey Crude.

The Dey Crude Oil company has just acquired forty acres in section 2, 10-23, in the famous Sunset district. This company is now drilling on its lands in the Los Angeles district, where it is surrounded by dozens of wells producing oil. Drilling will be commenced on its Sunset property in June. The product of this property they will have the opportuniry to dispose of along with the other producers in this famous district to the Jewett & Blodgett refineries at 75c. per barrel.

NOTICE.

TO THE STOCKHOLDERS OF THE TEMPLORE OIL COMPANY, A CORPORATION.

There will be a special meeting of the stockholders of the Templore Oil Company, held at the office of said company, at room 118 Phelan Building San Francisco, at 8 o'clock A. M. on the 15th day of April, 1901.

This meeting is called for the purpose of increasing the capital stock of the said company from $200,000 to $500,000. By order of the Board of Directors.

J. S. GRAHAM, President.
F. M. PERSINGER, Secretary.

The Lincoln Oil Company.

This company has been delayed, waiting for drive casing which has now arrived, and work is going forward. When ready to begin operations again they found about 120 feet of oil in their 9⅝-inch casing. They are now in the third sand at 900 feet.

Six wells in the immediate neighborhood have struck oil in good paying quantities and will be heavy producers. The company will for a very limited time sell stock at 50 cents a share in order to complete the first well, and when this is done the stock will be removed from the market. J. H. Edson, the manager, has just returned from the field, where he has been superintending the renewal of work, and feels very confident that the Lincoln will turn out a 600-barrel well.

A New Map.

R. F. Morton, the map maker at 120 Sutter street, has just completed a map on a large scale of the Kern River and Sunset oil districts. It is easily read, is correct and up to date in every particular. It is extremely valuable to oil men.

The London.

The London Oil company, with its holdings of about 5000 acres in the Fresno-San Benito district, is to be benefited fully as much as any other one company by the recent strike of the Hamiltonian Oil company on its property in the vicinity of that of the London Oil company. The London has just made arrangements for a sub company, the London Calistoga, to begin drilling on section 9, in 17-12. This company has already ordered a Keystone No 9 rig, and will operate as soon as it is possible to place machinery, which is on the way from the East. Within a few months the London Oil company intends to have several rigs drilling on its lands in this Fresno-San Benito district that is now coming so rapidly into favorable prominence.

Oil Men, Attention!!

The Occidental Exploration Company buys, develops, exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

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LIMITED NUMBER OF SHARES OFFERED FOR 25 CENTS PER SHAR

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A FEW THOUSAND SHARES TO BE SOLD AT 25 CENTS PER SHARE.

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THE CHEHALIS OIL & MINING COMPANY

will operate on 2060 acres in Colusa County adjoining the Gibson Gusher. They offer the greatest possible returns to investors of any company in California. Crude oil actually worth $6 per barrel has been found. Stock is absolutely non-assessable. A limited amount is now offered at a ground floor price.

For map, prospectus, etc., call on or address

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232 Montgomery St., San Francisco.

The Esmeralda Oil and Development Company : :

CAPITAL STOCK 100,000 SHARES
PRICE PER SHARE - - - $1.00

We own 404 acres of the Choicest Oil Lands in the

Vallecitos District, San Benito County

We are now boring and rapid progress is being made.
As our test well struck oil at 32 feet it assures our future.

FREE FROM DEBT AMPLE FUNDS

No Salaries paid to officers. Treasury funds to be used for development purposes only. Limited number of shares to be sold. Stockholders are fully guaranteed against loss.

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W. J. Whitney, Vice-President. Louis Hammersmith, Secretary.

DIRECTORS:

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THE KESWICK CRUDE OIL COMPANY

STOCK NON-ASSESSABLE

Incorporated under the laws of Arizona, December 29, 1900.
Capital Stock, $1,000,000; 1,000,000 Shares, par value $1 each.

4000 ACRES IN SAND FLAT OIL DISTRICT, SHASTA COUNTY

Be on time. You cannot miss it. An investment of a few dollars now may bring you a fortune. The first **fifty thousand shares** of treasury stock will be sold for the small sum of **10 cents a share,** the proceeds to be devoted strictly to development work.

Twenty-five Thousand Shares are already sold. **Now is the time** to get in on the ground floor and secure your stock before the raise in price.

Derrick will be erected and drilling commenced as soon as machinery can be purchased and placed on the ground.

Two wells now drilling in near vicinity; one within thirty feet of our land. For information or Prospectus, call on

CHARLES W. POPE
First Vice-President
11 Montgomery St., San Francisco.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, April 10:

ÆTNA.

500 at	19	95 00

BLACK JACK.

900 at	1 00	900 00

BEAR FLAG.

300 at	12	36 00
500 at	10	50 00
500 at	09	45 00

CARIBOU.

600 at	58	348 00
675 at	68	459 00
400 at	71	284 00
900 at	70	630 00

EL ORO.

600 at	60	360 00

FOUR OIL CO.

600 at	52	312 00
750 at	51	382 50
1300 at	50	650 00

HANFORD.

5 at	88 00	440 00
12 at	90 00	1080 00

HOME OIL.

200 at	3 75	750 00
1050 at	3 80	3990 00

INDEPENDENCE.

1300 at	17	221 00
1500 at	18	270 00
1000 (B30) at	19	190 00
750 at	20	150 00
7050 at	19	1339 50
7000(B 30) at	20	1400 00
1300(B60)at	20	260 00

JUNCTION.

300 at	58	174 00
100 at	57	57 00
200 at	55	110 00

KERN.

50 at	7 25	362 50
150 at	7 37½	1106 25

KERN RIVER.

10 at	11 12½	111 25
60 at	11 75	705 00
80 at	11 50	920 00
100 at	11 25	1125 00

LION.

1000 (Cash)	19	190 00
250 at	20	50 00
700 at	19	133 00
200 at	18	36 00

MONARCH OF ARIZONA.

1500 at	55	825 00
2100 at	54	1134 00
2300 at	53	1219 00
100 (S 90) at	49	49 00
100 at	52	52 00

MONTE CRISTO.

300 (S90)at	2 40	720 00
200 at	2 45	490 00
1250 at	2 50	3125 00

McKITTRICK.

100 at	30	30 00

McKITTRICK CONSOLIDATED.

500 at	12	60 00
500 at	14	70 00
240 at	15	36 00
100 at	18	18 00
500 at	16	80 00
400 at	17	68 00

OCCIDENTAL OF W. VA.

400 at	48	192 00
200(B30) at	50	100 00
900 at	50	450 00
700 at	49	343 00
100 at	51	51 00

OIL CITY PET.

200 at	27	54 00

PETROLEUM CENTER.

2000(S90)at	14	280 00
1000(S30) at	14	140 00
400(B30)at	15	60 00
1000(B10) at	15	150 00
500(B30)at	16	80 00
500(B 30) at	17	85 00
100 at	17	17 00
500 at	16	80 00
850 at	14	119 00
6450 at	15	967 50
100(S 90)at	13	13 00

PEERLESS.

50 at	8 12½	41 25
150 at	8 25	1237 50
100(B60)at	8 50	850 00

REED CRUDE.

200 at	52	104 00
600 at	51	306 00
1500 at	50	750 00

SHAMROCK.

100 at	76	76 00
100 at	75	75 00
360 at	75	270 00

SAN FRANCISCO & McKITTRICK.

65 at	1 00	65 00

SAN JOAQUIN.

20 at	10 00	200 00
100 at	9 87½	987 50
100(B30)at	10 00	1000 00
50 at	9 75	487 50

STERLING.

100(B 30)at	2 15	215 00
100 at	2 15	215 00
900 at	2 10	1890 00
400 at	2 12½	850 00
200 at	2 05	410 00

TOLTEC.

800 at	75	600 00

TWENTY-EIGHT

200(B60)at	1 40	280 00
100 at	1 35	135 00
100 at	1 32½	132 50
600 at	1 30	780 00
140 at	1 25	175 00
100 at	1 27½	127 50
100 at	1 32½	132 50

WOLVERINE.

50 at	1 15	57 50
50 at	1 10	55 00

Shares 66,357 Amount $43,260.75

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending April 10:

CONFIDENCE.

5 at	80 00	400 00

CALIFORNIA STANDARD.

500 (B 30)at	43	215 00
2100 at	42	882 00
3000 at	43	129 00

CARIBOU.

300 at	71	213 00
1100 at	70	770 00

FOUR OIL.

300 at	52	106 00
1100 at	51	561 00

HOME OIL.

50 at	3 85	192 50
200 at	3 80	760 00

HANFORD.

5 at	90 00	450 00
5 at	88 00	440 00
2 at	89 00	178 00

INDEPENDENCE.

1000 at	18	180 00
3000 (B30) at	20	600 00
4500 at	19	855 00

JUNCTION.

500 at	59	295 00
1500 at	56	840 00
500 at	60	300 00

LION.

1000(S30)at	18	180 00
1000(S 60)at	18	180 00
250 at	18	45 00
950 at	20	190 00
2900 at	19	551 00

MONTE CRISTO.

100 at	2 40	240 00
100 at	2 50	250 00

MONARCH OF ARIZONA.

500 at	55	275 00
200 at	54	108 00
500 (B60) at	55	275 00
700 at	52	364 00
600 at	53	318 00

McKITTRICK CONSOLIDATED.

500 at	20	100 00
200 at	16	32 00

PEERLESS.

50(B90) at	8 25	412 50
50(B90) at	8 75	437 50
150 at	8 37½	1256 25

PETROLEUM CENTER.

1000 at	17	170 00
1000(S30) at	15	150 00
1000(Cash)at	15	150 00
3000 at	14	420 00
3500 at	16	560 00
8500 at	15	1275 00

REED CRUDE.

240 at	50	120 00
1500 at	53	795 00
5000 at	52	2600 00
600 at	51	306 00

STERLING.

140(B60)at	2 10	294 00
200 at	2 15	430 00
100(B30)at	2 10	219 00
300 at	2 10	630 00

WOLVERINE.

100 at	1 10	110 00

Shares 56,097 Amount $21,821.75

Two oil trains pulled out of the Kern River field last Saturday containing seventy-one cars—a good shipment for one day.

C. E. WILSON & CO.,

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Oil Stocks Bought and Sold.

Asphalt in Los Angeles.

The Globe Asphalt company which has its plant at Obispo west of Long Beach, operated in conjunction with the Sunset Oil Refining company, is preparing to commence this season's shipments of commercial asphalt in June. The company's Obispo plant is said to have the largest capacity of all the plants of the United States. The annual consumption of commercial asphalt, used for street paving purposes in the United States, is about 100,000 tons, of which quantity about forty thousand tons can be produced at Obispo On producing the commercial asphalt the mined rock product and the viscid liquid asphalt left in refining California crude oil are blended and clarified.

The shipping of asphalt from the Obispo plant last season commenced in July and continued during August and September. Within that period twelve miles of streets in Chicago, Buffalo, N. Y., and other cities were paved with asphalt produced at the Obispo works.

Work Has Started.

Work has been started on the property of the Kern Valley Oil company in the Kern River district in 14, 28-27, and in a short space of time this company will be in oil. Their first block of stock which was placed on the market at ten cents per share has been exhausted. Twenty thousand shares are now being offered at 25 cents per share and upon their disposal the price of stock in the company will be advanced to 50 cents. The rapidity with which this company is working and the good business judgment they are exercising, is meeting with commendation from the investing public and in all probability this second block of stock will be exhausted in a few weeks. This company is using the money, derived from the sale of their treasury stock, for developing purposes and as a consequence each block of stock offered commands an increased price, inasmuch as any particular block represents the total amount of developing work done to date. It has an actual, not a gambling value. The company is working two shifts of men, a day and a night shift, and will reach oil sand in three weeks or less. Contracts for two other rigs have been let.

Warthan Creek Field.

The Warthan Canyon district lies to the northwest of Kreyenhagen, and may be approximately defined as running through townships 22 14, 21-13 and 20-12. The geological formation is of the lower tertiary period, and is marked by numerous gas vents, oil seepages and the presence of marine petrifactions.

The Democrat describes the trend of the oil sand and shale as to the northwest and southeast, the general inclination being about 25 degrees. The first sand stratum encountered is brown and the second gray. Prospect wells in the district have shown that 60 per cent. of the oil here developed is identical with the Kreyenhagen product and is a lubricating oil of fine quality.

The Echo Oil company is engaged in drilling a well with excellent prospects. The Arcola and the Coalinga Crude Oil company have made arrangements by which each will have a rig on the ground and begin work on May 1st.

Lying close to a well developed oil field, and yet away from the line of well prospected territory, the Warthan Canyon field has heretofore received little attention. It is, to the nearest point, about six or seven miles from Alcalde, the terminal point of the S. P. R. R. Coalinga branch line. As there is a plentiful supply of wood and water in the vicinity, the district is a cheap one in which to operate, and the superiority of the product is prompting many investors to plan for active work this season.

Water Pump at Coalinga.

The new pump for the Valley Water company that is putting in a water plant in the Coalinga oil fields for the purpose of supplying the operators over there is being put in place. The machine is built by the Dow works in San Francisco, and is called the Dow triplex high duty pump, with a strength to afford a pressure of 1000 pounds to the square inch, and a delivery under that pressure of sixty gallons per minute at the storage tanks on the mountain from whence the water is to be distributed to the various oil fields of the district. The elevation of the tanks to which the water is to be forced, is something like 2000 feet from the well where the pump and machinery is located. The company has secured a long lease of a good well of water, and this enterprise will add materially to to the oil well industry over there. The company will furnish water to all oil companies who wish it at the rate of $125 per month per well.

Gold Bonds.

Bonds drawing from two to four per cent per annum, interest payable semi-annually. These bonds mature in ten, fifteen, twenty, twenty-five and thirty years Every bond issued is protected by first mortgages, placed in trust with the California Safe Deposit & Trust company. The Trust company certify on the back of each bond that they have ample security in trust to protect the bond. Back your stocks with these bonds and you can sell them. Companies incorporated under any state laws desired.

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If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

STANDARD OIL BIDS.

Kern County Producers Apparently Distrust Each Other.

March 30th was the day set for the opening of bids from Kern County producers for supplying the Standard Oil company oil in lots of 25,000 barrels, the delivery to be made by the first of May.

One who did not understand the situation would naturally suppose that with the present large and increasing production of oil in Kern county the producers who center about Bakersfield would gladly take advantage of the opportunity thus offered to dispose of their oil. In fact, it was generally supposed that at least a dozen of the large companies would tender their bids not in the spirit of cut-throat competition but with the hope that the Standard Oil would require, not only one lot of 25,000 barrels, but at least a half dozen or even more similar lots, which would enable them to accept, not only one, but several bids, thus avoiding the necessity of unwise competition and giving the producers an opportunity of disposing of their oil at satisfactory figures.

Much to the surprise of oil men generally not a single satisfactory bid was received by the Standard Oil company. It would seem that each large producer in the district was afraid of every other large producer, and thought that if he put in a low bid some one else would put in a still lower bid, and thus he would have shown his hand to no advantage to himself.

The result of this general distrust was that no satisfactory bids were received.

This, however, does not mean that the Kern River producers are not selling their oil to the Standard Oil company. Two large contracts were made last week, one covering 40,000 barrels and another covering 45,000 barrels. Just what prices were made for the oil it is impossible to find out at the present time as neither the companies or the Standard Oil people are willing to state the prices agreed upon. It is, however, understood that the price was in the neighborhood of thirty cents, delivered at the pipe-line of the Standard Oil company and that the deliveries were to be practically immediate.

Oil in Canada.

Though found in Quebec, Nova Scotia and Alberta, most of the oil in Canada comes from Ontario. It was in 1860 that attention was first drawn to this province by a Mr. Tripp, who owned a farm where now stands the village of Oil Springs. The first flowing well was struck on February 19, 1862, when James Shaw of Oil Springs found oil at a depth of 160 feet, in what became known as the "upper vein." By 1867 the business had settled down to a heavy basis.

The center of the industry is at Petrolia and Oil Springs fields, Lambton County, the source of the oil being the shallow coniferous limestone, at a depth ranging from 375 to 500 feet, the oil stratum varying from five to ten feet in thickness. The yield per well is small, but the cost of production is also so very small that good returns are obtained on the money invested, and about $20,000,000 have been expended in the work of development.

The crude oil is dark green in color, with a specific gravity of 35 degrees, with a paraffine base, and yields 42 per cent of illuminating oil. It also furnishes a fine quality of lubricating oil, the residuum supplying a large proportion of wax, from which candles are made. The refuse makes a superior fuel, being rich in carbon.

The finished products inspected during 1800 amounted to 11,927,981 gallons, and as this only represents 42 per cent, the total number of gallons of crude petroleum would be 28,399.955, which is equal to 808,570 barrels. This amount has only been exceeded once, in 1894, when it was but a little greater. The value of a barrel of petroleum increased 8 2-3 cents during 1899, as compared with 1898, and the total value was $1,202,020, the largest for any year up to this date. The value of the finished products of petroleum in Ontario has been placed by the government at $2,806,837, which is the most valuable of all the mineral products of the district, and represents more than 25 per cent of the mineral output of Ontario.

Petrolia was formerly the center of the refining interests. In 1898 a modern refinery was completed by the Imperial Oil company at Sarnia, on the St. Clair River, near the Southern extremity of Lake Huron. This point has an abunddant supply of water, which was lacking at Petrolia, better railroad connections and the great advantage of distribution that the lakes afford.

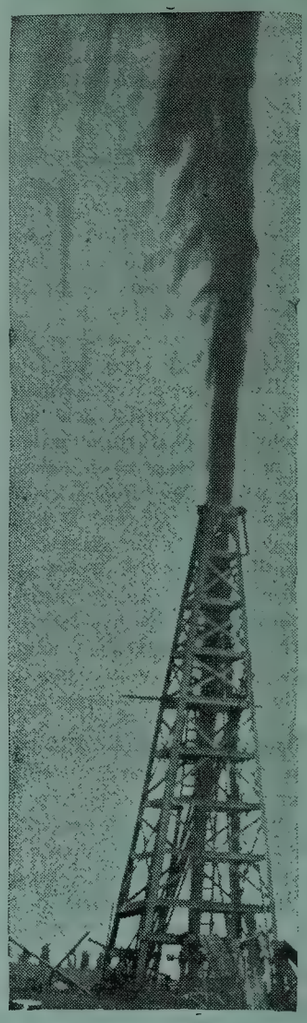
The refinery is connected with Petrolia and Oil Springs by pipe line. Most of the petroleum from the outlying small pools is shipped by railroad. The price of crude petroleum was $1.40 cents per barrel for the first three months of 1899, while at the close of the year it brought $1.66½; the average for the year was $1.48 2-3, as compared with $1.40 for 1898. This petroleum is much the same as the Lima-Indiana petroleum of the United States, and requires a special similar treatment to remove the sulphuretted hydrogen from the products of the crude. The average price of Lima-Indiana crude petroleum was 87½ cents per barrel for 1899. The higher value of the Canadian petroleum is owing to an import duty on the crude petroleum of $1.12 per barrel, $2.52 on illuminating and $2.10 on lubricating oil.

The London capitalists who began drilling in the so-called Gaspe Bay oil field in 1899 have since drilled thirty-three wells, and many of these have reached a depth of from 2500 to 3800 feet.

The capitalists interested organized the Petroleum Trust company in the fall of last year, and about that time a 12-mile pipe line was completed to the harbor, where a refinery was recently erected.

Petroleum has been found in the South Kootenay county, B. C., but little development work has been done, and only since the oil excitement in California began has systematic prospecting in that neighborhood been carried on.

Only 24 Shares



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A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

LOW CAPITALIZATION

Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

$2 Per Share

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OIL IN COLUSA.

Expert R. W. Gorrill Tells of the Geological Formations.

Expert R. W. Gorrill, one of the most competent oil experts in the state, has the following to state concerning the oil indications and geological formations of Colusa county. This article is particularly valuable, as it is the only scientific opinion that has yet been published concerning this new oil district, which Mr. Gorrill firmly believes will be found to be one of the most prolific oil districts in California.

Below is Mr. Gorrill's article in full:

The oil fields of Colusa county are entirely different from any oil fields so far discovered in the state of California.

All the other different fields belong to the tertiary formation, and oil found in the eocene, neocene and pliocene is of asphaltic base or origin, while in Colusa county there have never been any of these strata found. In Colusa county the sandstones and shales are all cretaceous. This is demonstrated by all the shales carrying any amount of annatheriums and ammonites (gigantic shells and snails of a remote period).

Starting from the plains west of Arbuckle, the ground slowly rises for about six miles, when it strikes the lateral hills which put off from the main Coast Range at an angle of about 45 degrees, these lateral hills running almost due northwest and southeast and impinging against the Coast Range in township 14 north, 4 west.

This main Coast Range through Glenn, Colusa and Yolo runs due north and south, while the lateral hills, as before stated, run southeast and northwest.

In these lateral hills is the most perfect anticline that has ever been discovered in the state of California, being over nine miles long and having a radius of over one mile that is demonstrated both on Sand Creek and Salt Creek.

In boring on the Smith and Gorrill well, 485 feet of shale was penetrated, interspersed with thin strata of numalithic limestone, before the sandstone proper was reached, every foot of this shale being petroliferous. At this depth the finest oil sand was struck, but was only two and one-half feet thick, being a very fine grain and producing but very little oil. The oil produced was of a paraffine base, carrying bromides and iodides, and at this depth salt water was reached that gave a large amount of chloride of sodium to the gallon, or in other words, three and one-quarter ounces of salt per gallon, this being about double the amount that sea water contains. Gas was struck which gave a bright yellow flame, no other tints of red or blue being shown in the gas. A pressure of 280 pounds was exerted by this gas, showing conclusively that the oil-bearing strata were still lower down and that this gas emanated from a paraffine base.

Going westward from this anticlinal is a perfect monocline formed by what is known as Cortena valley. To the westward of this about nine miles are the oil seepages of the Gibson ranch and where the Herron & Orr well was bored. This well, although sunk to a depth of over 860 feet on a serpentine base, produced no oil.

The stratifications as shown by this monocline lead the experts to believe that the Smith & Gorrill well, to be successful, will have to reach a depth of from twelve to fifteen hundred feet. All the indications and dformations are very similar to the Bradford fields of Pennsylvania.

The Corning.

The Corning Oil and Gas company in Tehama county will commence drilling next week. The gas found all over the lands of the company has been analyzed at the State University, and found to consist as follows:

Light Hydrocarbons	.3
Carbon Dioxide	.9
Heavy Hydrocarbons	.3
Oxygen	.8
Carbon Monoxide	.1
Methane	86.8
Hydrogen	7.6
Nitrogen	3 2
	100.0

The presence of other hydrocarbons other than methane and the presence of heavy hydrocarbon and the very small amount of nitrogen indicates that the gas came from petroleum.

A Heavy Assessment.

The Kern River Oil company has levied an assessment of one dollar per share in order to make the purchase of 160 acres of land in section 4, 29-28, Kern River district. The option on this property would expire July 1.

A Safe Investment.

Columbian Oil company is wonderfully well located in section 29, 28-28, with two standard rigs in operation, surrounded by wells on every side, with very rich oil sand, 400 to 500 feet in depth. The location, surroundings and management of the Columbian Oil company are all of sufficient excellency to insure confidence, in fact, assure the safety of an investment in the stock of this company. H. W. Meek, President and E. B. Stone, Vice-president. Office, 900 Broadway, Oakland.

No Plugging Wells.

The governor has turned down by pocket veto Assembly Bill 302, Chandler, which was an act to add a new section to the Penal Code, to be known and numbered as section 625½ of said code, in relation to the plugging of water producing wells or holes, drilled or otherwise made, in territory producing oil or similar carbonic substances.

Delinquent Sale Notice.

Loma Prieta Prune Ranch. Principal place of business, San Francisco. Location of ranch, Monterey county, California.

Notice.—There is delinquent upon the following described stock, on account of the assessment levied on the 25th of February, 1901, the several amounts set opposite the names of the respective stockholders,

	Shares	Amt.
George J. Bucknall	5	$50
Thomas P. Woodward	2	20
James F. Muirhead	2	20
O. M. Smith	1	10

And in accordance with law and an order of the Board of Directors, made on the 25th day of February, 1901, so many shares of each parcel of such stock as may be necessary will be sold at public auction at the office of Madison & Burke, 636 Market St., San Francisco, California, on Monday, the 22nd day of April, 1901, at the hour of 3 o'clock p. m. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Directors, FRANK MORTON, Secretary.

Corning Oil and Gas Co.

Of Tehama County, Cal.

Offers for sale 10,000 shares o stock for development purposes at

50c Per Share

CAPITAL STOCK - - $100.000
TREASURY STOCK - $100,000
PAR VALUE OF STOCK - $1.00

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Wm. E. Wheelock, Vice-President
Chas. Kaufman, Treasurer.
H. P. Andrews, Attorney.

Leases 3730 acres of oil lands for 20 years and owns 400 acres in the Stoney Creek Gas and Minera District.

Write for prospectus giving State Mineralogist's report and analysis of gas from three shallow wells in our territory.

Henry McGuinness, Secretary,

Corning, Cal.

Colusa Consolidated Oil and Refinery Co.

This company has purchased 4414 acres of oil lands in the now famous paraffin belt of Colusa county. The oil of this section is paraffin, "not a fuel oil," worth $4 to $8 per barrel. Its lands are 7 miles from railroad and 15 miles from tide-water, which guarantees cheap transportation. 20,000 shares of fully paid up stock is offered at 50 cents per share; after this sale the price will be $1.00. Our vice-president, Mr. R. W. Snow, goes East to purchase machinery for developing; soon as drilling commences sub-companies will then be formed on smaller portions of the lands, and the stock of the sub-companies will be the only stock placed on the market, the moneys received from sales of sub-companies' stock goes into the treasury of this, the parent company, and disbursed in dividends; thus it will be seen that very soon the parent company will be paying its stockholders large dividends, which will make the stock worth a premium in any market; we advise you to look up Colusa Consolidated at once, for its large acreage and low capitalization guarantees a safe and profitable investment.

Subscriptions for stock can be received at the office of

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318 Pine Street, San Francisco

Hydraulic Process with Oil.

A process is about to be adopted by Superintendent Kellogg of the Kern River. The Kern River at present has its mile of 7⅝ pipe line completed from its wells to Olig. The fall is 140 feet and the oil runs by gravity. Five standpipes have been erected at the switch for shipping purposes. The company now has three new rigs in process of construction and will begin spudding next week. The superintendent has decided to start three wells with eight-inch drive pipe, and believes he can go into and through the sand with one string. The greatest trouble in that district has been encountered in the first sand, and three strings of casing have been used before the lower sand was reached. By the new plan to be adopted, or at least tested, a string of two-inch tubing, with a bit attachment, will precede the casing. A powerful pump will force heated oil through the tubing, and it is thought the sand can be held in suspension and forced over the top, thus keeping the hole clear to allow the casing to follow down. In the east this plan has met with success with water, and in the absence of an abundance of water oil will be used in the experiment.

Besides this method of drilling, Mr. Kellogg has invented a simple contrivance called "The Adapter" that is intended to do away with the work of swedging when two or three strings of casing are cut in a well. This apparatus, on which a patent has been applied for, consists of two half circles of castings, disc shaped, that can be fitted between the different sized casings at the point of cutting. They are simply dropped into place and can be removed if necessary to pull a string of casing, and the work of pulling is simple, the casing not having been battered in the process of swedging.

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The Equity Oil & Petroleum company. Place of business, San Francisco Directors: G W Schnell, D Kouff, San Francisco; A F Green, M Gutter, I Harber, Alameda. Capital stock, $300,000; $500.

Cactus Oil company. Place of business, San Francisco. Directors: F Barrett, G R Parkinson, H H Barrett, Palo Alto; R R Ritchie, G W Terrill, San Francisco; K W Brown, Fresno; C F Henking, W F Barlow, San Diego, and A B Bigler, Bakersfield. Capital stock, $1,000,000; all subscribed.

Manhattan Oil & Gas company. Principal place of business, Bakersfield. Directors: W W Ayers, San Francisco; H B Chaney, G O Blodgett, W B Chaney, Bakersfield; A J Henderson, Kern. Capital stock, $500,000; subscribed, $125.

American Fuel & Power company. Principal place of business, San Francisco. Directors; D S Watson, A Sutton T C Coogan, A D Cross and R McK. Dupera. Capital stock, $25,000; subscribed in full.

The Ready Oil company. Arizona corporation. Directors: E J Riewerts, G H Swain, J W Jones, A I Fallman, J F Dinsmore, J M Bradley, Monterey county; E Bergemann, W McNaul, San Miguel; J M Johnson, Berkeley; W B Howe, San Jose. Capital stock, $900,000; subscribed, $5,000.

Fowler & Fresno Oil company. Place of business, Fowler. Directors: E Gower, H Lewald, C H Norris, A R Brown, R R Griffin all of Fowler. Capital stock, $300,000; subscribed, $25.

Oil Field Oil company. Principal place of business, Los Angeles. Directors: N P Nelson, W Wilson W E Brown, G A Cartelyou, R G Cochran, all of Los Angeles. Capital stock, $250,000; subscribed, $120,000.

Colorado Springs Oil & Development company. Deal in real estate, oil wells, etc. Place of business, Bakersfield. Directors: J R Irons, R B Swayne, F D McClure, J L Quaintance, C H Weed, all of Bakersfield. Capital stock, $75,000; subscribed, $500.

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We have no promoters' stock, and are selling only treasury stock, EVERY DOLLAR of which goes into the development fund, which is held intact to pay for drilling operations ONLY.

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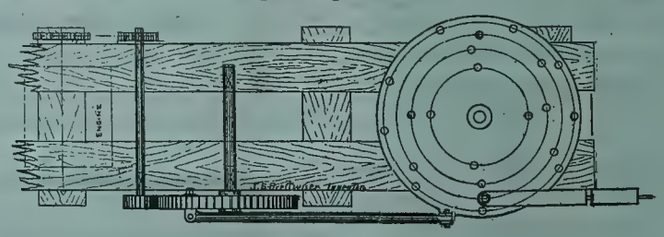

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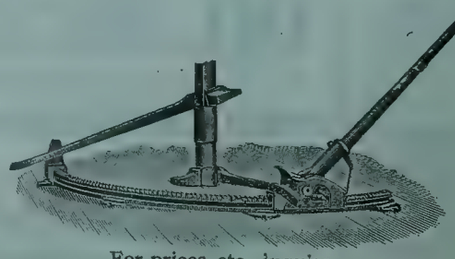

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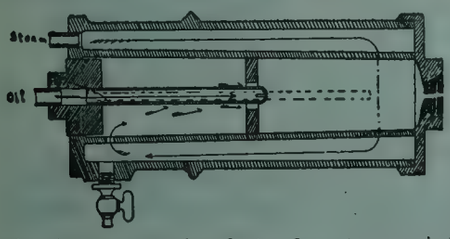

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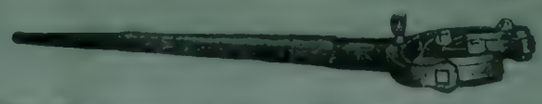

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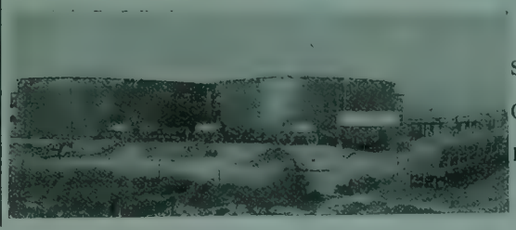

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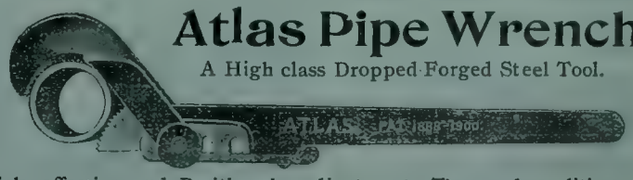

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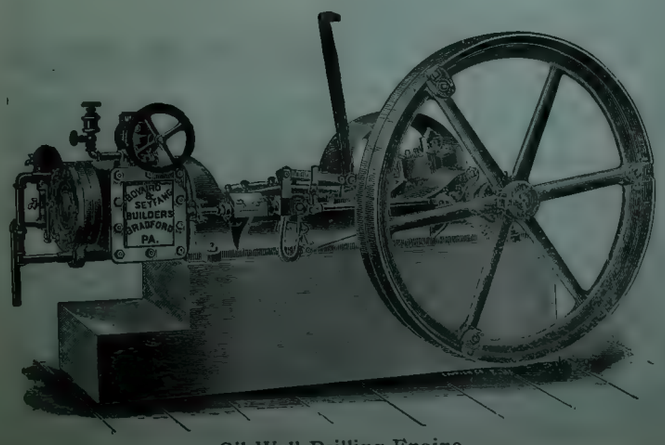

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BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOLDEN REWARD OIL & DEV. CO
Capital.....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice president, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street. San Francisco, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer.
Office: 783 Market St., San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GRAND PACIFIC OIL CO.
Capital..... $1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL, LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 3 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 33 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20. 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MULBERRY OIL COMPANY.
Incorporated March 5, 1901, under the laws of the Territory of Arizona. Stock non-assessable. Capitalization $500,000 divided into 100,000 shares par value $5 each. This company owns 260 acres on the San Benito River in the San Benito district. Oil found in this district is of the best paraffine base. Officers—Edward Bowman, President; Richard Keller, 1st Vice-president; B. Struven, 2nd Vice-president; S. M. Snyder, Secretary and Treasurer; H. G. Davis, Attorney. Directors—Edward Bowman, Richard Keller, B. Struven, S. M. Snyder, H. G. Davis, C. M. Depew, M. B. Ryer. Offices—927 Market St., rooms 218, 219.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A F Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; H A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital $500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson-Maurice V. Samuels, Attorney; Union Trust Company, Depository. Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

X L N T OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
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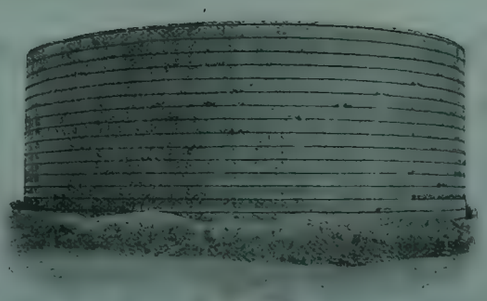

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ROOMS 413 AND 414, SAN FRANCISCO, CAL. TELEPHONE MAIN 846.

E. V. BUCKOW, President. R. D. HEALEY, Vice President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository

——— The lands are located as follows: ———

Great McKittrick	320 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	240 acres	Solano County	100 acres

And are known to be in the Heart of the best Producing Oil Districts.

Drilling on Section 10, Township 30 S, Range 21 E, McKittrick District, to be commenced about May 1st. This property is adjacent to the largest producers in the State.

We are negotiating for other approved Oil Lands, the leases of which are on file, with option clause to purchase.

The first block of stock is now exhausted.
The second block of stock to the amount of 100,000 shares is now selling at 50 cents per share.
The third block of stock to the amount of 100,000 shares will soon be on sale at $1 per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

GUARANTEE UPON GUARANTEE

Famoso's Well No. 1 is Finished and is Pumping Over 600 Barrels daily. Well No. 2 is in the Oil.

Guaranteed from the beginning by the Continental Building and Loan Association, the value of the stock of

The Famoso Oil and Investment Company

Is now established by the proven richness of its holdings in the Kern River District. We are not only in the CENTER OF OIL PRODUCTION IN CALIFORNIA, but our first well is the peer of anything in the vicinity. Our engagements require us to complete three more wells this summer, making

Four Wells in Six Months

That is the reason why we will sell Treasury Stock for a short time longer at the same price. WE MUST HAVE QUICK CASH FOR RAPID DEVELOPMENT. Energetic work now will put the company on a dividend paying basis this year.

Our Stock is a Bargain

At the old price of 50 cts. a share. Stock will be advanced to 75 cts the 10th day of April, at which time well No. 2 will be on the pump

Call at our Office, or send for Prospectus and Information. Inquire about us from any reputable journal identified with the Oil Business.

OFFICERS:—John P. Albro, President; A. J. Munton, Vice-President; T. A. Sheppard, Secretary; S. D. Miner, General Manager.

Office: Room 393 Parrott Building, San Francisco

Branch Office, 1330 E Street, San Diego, Cal.

Endorsed by the California Petroleum Miners' Association.

VOLUME 2 NUMBER 24

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, APRIL 19, 1901.

NON-ASSESSABLE STOCK

California & Utah Oil Company

Incorporated under the laws of the State of South Dakota. Capital $1,500,000; par value $1.00 per share.

CALIFORNIA OFFICE **ADAMS BUILDING, 206 KEARNY ST.**

ROOMS 413 AND 414, SAN FRANCISCO, CAL. TELEPHONE MAIN 846.

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FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

Famoso's Famous Record...

Two Big Wells in Seventy Days

Dividends Our Object

Well No. 1 finished and pumping
Well No. 2 ready for perforation
Well No. 3 now being drilled

Stock Non-Assessable

Ready to Market Fuel Oil in Quantity

Treasury Stock Now Selling at 75 Cents to Continue Quick Development

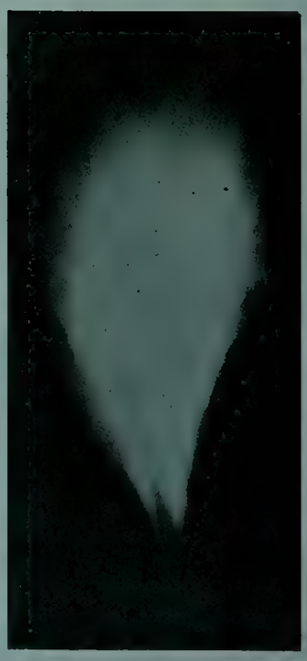
Famoso Oil and Investment Co.

393 PARROTT BUILDING

SAN FRANCISCO, CAL.

Corning Oil and Gas Co.

Of Tehama County, Cal.



Offers for sale 10,000 shares o stock for development purposes at

50c Per Share

CAPITAL STOCK - - $100,000
TREASURY STOCK - $100,000
PAR VALUE OF STOCK - $1.00

F. Houghton, President.
Wm. E. Wheelock, Vice-President
Chas. Kaufman, Treasurer.
H. P. Andrews, Attorney.

Leases 3730 acres of oil lands for 20 years and owns 400 acres in the Stoney Creek Gas and Minera District.

Write for prospectus giving State Mineralogist's report and analysi of gas from three shallow wells in our territory.

Henry McGuinness, Secretary,

Corning, Cal.

PACIFIC OIL REPORTER

VOL. 2. NO. 24. SAN FRANCISCO, CAL., FRIDAY, APRIL 19, 1901. PRICE, TEN CENTS

OIL AT McKITTRICK.

Present Prospects and Future Outlook of a Noted Field.

A Review of the Production and Output of the West Side Oil Field—Some Recent Developments.

Reflection in Lake of Oil made by Building Restraining Dams on Kern River Company's Property at McKittrick.—The Tanks are Inadequate for the Great Supply of Oil from the Flowing Wells.

Jumping on the passenger car attached to the oil cars which run out from Bakersfield at an early hour, the visitor passes at an easy-going rate over the flat alluvial plains of the western San Joaquin Valley, and after a three hours run over the forty-eight-mile spur the road rises abruptly in the outskirts of the low outlying foothills of the Coast Range. The engine which pulled the train was resurrected from the scrap-heap, fitted with oil-burners, and put on the route, and occasionally it stops on the grade about a quarter of a mile from the terminus, and finishes the trip to the station in two sections, while most of the grumbling passengers get out and walk the remainder of the distance. The town, which is situated south of the track, consists of a half dozen unpretentious rough board shanties and in front the wily employes of the local livery combination lie in wait for the unsuspecting tourist. In the early days of the oil excitement the station agent lived in a freight car, but now times are changed and the railroad company has put up a neat and commodious depot. Bad as the railroad is, it is better than nothing; indeed, if it were not for the road, the McKittrick field would be practically undeveloped. It was built several years ago to enable the products of the asphalt beds to be brought to market; and when the production of asphalt fell off, the company was on the point of discontinuing the train service, when the oil boom struck the country, and the tri-weekly train became a daily.

Just south of the town the derricks rise in an irregular line to the south and run along the crest of the little bluff which runs to the westward, commonly known as the "break." The town is located near the site of the old Asphalt Refinery which burned down and was subsequently rebuilt a mile and a half away. The charred embers of the burned building may still be seen, and alongside the trenches from which the liquid asphalt was taken. A number of these pits are in the neighborhood, many of them about four feet square, with the black, heavy asphalt rising to the surface and running over the edge in a thin stream.

General View of McKittrick from the Railroad Station, Showing Town and Principal Producing Properties on the Bluff in the Background.

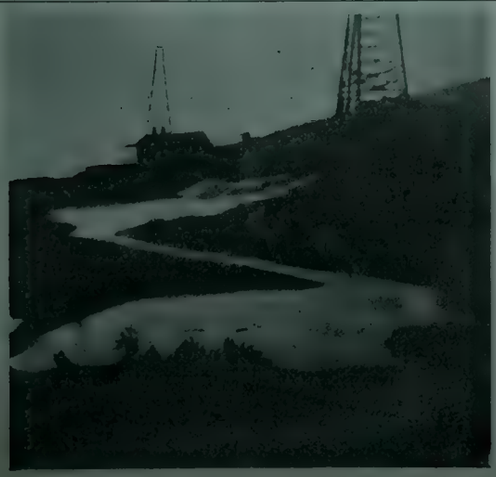
The whole district comprises a narrow belt about twenty miles long, extending from northwest to southeast through the foothills of the Santa Maria mountains. The territory thus developed includes an extent of not over four miles, from the Dabney property on the south to the Adirondack on the north, unless the extension of the district known as the Temblor field on 29-20 is included. Though up to the present time the developments have been confined to a comparatively narrow strip, it is the opinion of some well-informed persons that the territory will ultimately develop a series of several producing belts. The strike of the strata thus far developed is in the same direction as line of developed territory or N 60° W. A line drawn from Sunset thirty miles to the northward, through the Midway, Temblor, Devil's Den, Kreyenhagen and the Coalinga field forms a continuous straight line. Recent strikes along this line tend to show that the formation is practically continuous through the entire length of the field. Prospectors are working along for several miles on each side of the proven belt. If the statement published in a former issue of the REPORTER is true, and oil sand is to be found under the entire San Joaquin valley, then the McKittrick field and its extensions would be the western side, a theory which the dip of the West Side formations to the northeast and the East Side formations to the northwest seems to confirm in this supposition. But as the oil men say, there is no expert like "Professor Drill," and prospecting alone can determine the true extent of the Valley oil fields.

W. L. Watts writes of this field:

"The formations most extensively exposed in the McKittrick district are light-colored silicious shales similar to those seen in the Sunset district. The outcropping rocks, which represent the formations resting on the silicious shales, are very scanty; they consist mainly of porous silicious rock containing marine diatoms, bituminous sandstones and clayey and sandy strata. In some places the diatomaceous rocks contain petroleum, and in connection with the bituminous sandstones previously mentioned, they doubtless constitute oil sand in the oil wells at McKittrick. The diatomaceous rocks also contain a large amount of salt. * * * The formation overlying the light-colored silicious shales at McKittrick belongs to the Middle Neocene series. The dip of the exposed rocks is about north 30 degrees east, and in many places the rocks stand at a very high angle, 60 degrees or more.

"The formation penetrated by the productive wells in the McKittrick district is that portion of the Middle Neocene formation which immediately overlies the light-colored silicious shales. The oil-yielding strata are inclined at a very great angle, which makes the oil line a narrow one. The gravity of the oil in this field ranges from 15 degrees to 20 degrees B."

The driller at McKittrick who is asked what the formation is will say, "Just shale, nothing



Flow of Oil from Kern River Company's Well, near McKittrick.

else," and this is the case with a number of the wells. In fact the uniformity of the formation makes drilling cheap and easy compared with the Kern River wells on the East Side.

As previously mentioned a fair amount or oil was obtained from surface trenches and pits not over sixty feet deep. The sand is found from this depth to over a thousand feet, some of the wells being: California Standard, 450 to 500 feet; Dabney, 450 feet, Giant, 1050 feet; Kern River, 800 feet; San Francisco and McKittrick, 800 feet; Shamrock, 800 feet; Treadwell, 400 to 500 feet.

Dabney Oil Company's Wells at McKittrick—Thirteen Wells, of which Seven are on the Beam.

The most remarkable in appearance among the McKittrick properties is the Southern Pacific, the first on the crest of the hill south of the town. This is better known by the name of the superintendent, J. B. Treadwell, who has brought into Kern county the 40-foot derricks of the Summerland field, where he is also an operator. The ground in this neighborhood is everywhere covered with the black deposits of brea or asphalt. To the south and west the ground is white with the bleached shale, and covered with

A McKittrick Spouter—Dabney No. 10 Flowing.

a scanty growth of sage brush.

The Dabney is the furthest east of the producing properties in this field. This company subleased 110 acres of the 160 held by the El Dorado, and recently reorganized as the Dabney Oil company, Incorporated. The company has sixteen producing wells, the largest number of any company in this field. It has four or five drilling rigs, of which one is leased to another company. In the prospect wells originally drilled, the oil rose to within a few inches of the top of the casing; experimental pumping by compressed air is now being tried on this property.

The Southern Pacific, or Treadwell wells as they are better known, are situated on the top of the bluff just back of the town. (SW¼ of SE¼, section 20, 30-22) On this property the heavy Standard derrick is kept only on the wells while drilling, and when the well is completed either removed entirely or a light derrick substituted. The wells are comparatively shallow, and some of them have been flowing at times, though at the present time they are being pumped on a pumping power. The Twenty Oil company has oil on the section adjoining on the east, and the Shale Basin on the forty-acre tract adjoining on the south.

On the continuation of the Treadwell line in the adjoining quarter-section are six producers of the California Standard, which are drilled in a formation of asphaltum, clay, shale and sand. These wells run to the very edge of the bluff, where the asphalt which once covered the ground in this neighborhood was set on fire and burned the ground over, the blaze lighting up the country for many days.

The Giant has a well in oil in this neighborhood and in the hollow beyond, on the southeast of section 19, the Shamrock has three wells, of which one is rated as a producer.

This property was at first supposed to mark the western limits of the field, and the bluff was considered indicative of a fault, but the Kern River struck a good flow of oil on "the flat" north of the bluff at a depth of about 800 feet.

No. 2, which was first known as the "McPherson," was a flowing well, and No. 1 was recently made to flow over the top of the derrick after being cleaned out by hydraulicking under the direction of the Superintendent, J. E. Breitwiser. The supply of oil long since overflowed its tankage capacity and the company built embankments for storing the surplus oil, forming a miniature lake twenty feet deep. Twenty-five thousand barrels of this oil was recently sold to the Standard Oil company for 25 cents a barrel. The Giant has some good wells in this neighborhood also, and No. 1 was recently cleaned and made to flow. The Del Monte is in oil just south of the Kern River. One of the most peculiar experiences in this part of the field was that of the McKittrick company, which began sinking on section 12, and was started with fourteen-inch casing. At nearly 700 feet the oil stratum was entered and the company had a forty-barrel well. Determining to sink deeper into the sand, the oil stratum was passed through, and at a depth of about 800 feet a water stratum was encountered, the artesian water spouting four feet over the casing for thirty days. Water was scarce at that time and for months some thousands of head of stock watered at the lake formed by the water from this well. The company moved three-quarters of a mile to the east, and began drilling a well that is now 200 feet in the oil sand at a depth of 700 feet. It has only thirty feet of perforation. The McKittrick company owns 2200 acres and is operating in section 18. Well No. 1 is down 960 feet, of which 260 feet is oil sand. Well No. 2 is down about 400 feet,

The sand at McKittrick differs from the coarse sand of the East Side and is very fine, so that con-

Pumping at McKittrick—Dabney No. 9

tinual trouble is experienced in keeping the wells free from it. Hydraulicking was used successfully on the Giant and Kern River wells, and some experimenting is now being done on these properties with the use of oil instead of water for this purpose. The Dabney people are experimenting with Parke & Lacy's compressed air apparatus. Some companies have been sand-pumping for over a year on wells which they have not yet been able to get on the beam. It is this sand that causes the irregular flow of the spouting wells.

Although the McKittrick oil s so black and viscous, it is of a lighter gravity than the Kern River oil, running from 16 to 20° B. Not only is it an excellent fuel oil, but it is a good gas oil and a considerable amount is sold by the Dabney and other companies for gas purposes. A sample from the California Standard, of a specific gravity of 0.940 or about 19 Baume, on being subjected to distillation showed first a clear oil, with a faint pink tinge, having a gravity of 40½° B. This is an illuminating oil, and comprises 14 per cent. The next 20 per cent which is distilled is a red lu-

Kern River No. 2 Spouting.

bricating oil of a gravity of 32½° B. Then there is 60 per cent of a dark lubricating oil of 12° B gravity, and 6 per cent of asphaltic residue. Some of the McKittrick oil is being refined for illuminating purposes at the refinery of the Standard Oil company at Alameda.

The question of storage and market has been a serious one for McKittrick. The number of producing wells is given as follows:

Dabney Oil company, 110 acres, 16 wells, of which 9 are on the beam; Southern Pacific, 40 acres, 9 wells; California Standard, 640 acres, 6 wells; Giant Oil company, 640 acres, 4 wells; Kern River, 160 acres, 3 wells; McKittrick, 160 acres 1 well; Del Monte, 440 acres, 2 wells; Shamrock, 160 acres, 1 well; Pacific Crude, 420 acres, 1 well, making a total of thirty-five wells, which are credited with an average of seventy barrels each, or a total of about 2500 barrels daily. The shipments have averaged in the neighborhood of 200 cars a month, averaging 150 barrels each, and large quantities of oil have accumulated on storage. The Standard Oil company has constructed three storage tanks of 35,000 barrels each, making a total of 105,000 barrels, and the railroad company has extended its branch about a mile and a half to Olig, near the property of the Kern River, Giant and McKittrick companies. The Kern River originally had a pipe-line to the station at McKittrick, which was taken up, as the sand continually choked it up; and new pipe line connections are being made by this company and the Giant. The Dabney, which is only 2000 feet from the railroad has its own pipe line with about 200 feet fall and three stand-pipes, which will load three cars at a time. This company has three tanks for storage. The Treadwell, California Standard, Giant and other properties also have pipe and storage facilities.

Drilling is being actively carried on in the McKittrick field, and about thirty-five rigs are actively engaged in work. The Kern River is drilling two wells on 13, one 700 feet deep and the other just beginning. The Shamrock on section 19, has spoiled four wells, and is now sand-pumping No. 5, which is considered an excellent well. The Virginia is drilling two wells on its property on the adjoining section. The Vancouver on section 28 has two wells drilling, and the Eclipse on 28 has two.

Drilling is also being done by the Century; the 1901; R. K. Hawk; the McKittrick Consolidated on 18, the Pacific Crude on 28, where it recently struck a flowing well; the Del Monte near the Kern River; the De Groot, which went into oil on 33, 29-21, near Temblor a few days ago; the Little Standard has good sand on NE ¼ of section 11, 30-21, and are waiting for casing, they are down 810 feet; the Argonaut which struck sand four days ago on section 2, 30-21; the Adirondack on the same section; the Southern Pacific or Treadwell on sec. 20, 30-22; the Samuels; the Empire, on SW of section 8, 30-22; the X-ray which has sand on SE of section 2, 30-21; the Klondike Jewel north of the Little Standard; the Kern King, which is in oil on the NW ¼ of 11, 30-21; the Spencer, in oil, on

The Latest Map of the McKittrick Field, Kern County, California, Showing Developments Up to April 19, 1901. Carefully Revised and Corrected to Date.

28, 30-22; the Eclipse which has sand on 11, 30-21, west of the Little Standard, and has two wells drilling; the Sequoia has sand on SW ¼ of 29, 30-22; the Western Star on 11, 30-21; and the Modelo which has sand on NW ¼ of 13, 30-21; the Roberts; the Syndicate, the S. & S., the Tiber and the Monarch.

The recent strikes made within the past two weeks on the northwestern extension have extended the McKittrick field for a mile and a half and made it practically continuous with the Temblor in that direction, while the Bay City strike in 32-23 has joined it to the Sunset. Oil of 27 gravity has been found in the newer parts of the field. Although the field is given a width of three-quarters of a mile, the actual developed territory has a breadth of only a few hundred feet. The new developments of the present year pro ise a future for the McKittrick field that will make it one of the great fields in the history of the oil industry of California.

The title to the W ½ of the E ½ of section 14, 29-21, McKittrick field, is held in fee simple by the Oil Land company whose office is room 507, Parrott Building, San Francisco.

This territory has been experted by State Mineralogist Cooper, Captain Frank Barrett, and other experts, and pronounced good oil land. This company by its charter is authorized "to produce oil and to acquire by purchase, discovery, location, or in any lawful manner, oil lands and mineral lands of all kinds, including oil wells, oil lands, pipe lines, oil refineries, and property, real, personal and mixed, of every character and description, and to hold and use the same for the purpose of boring oil wells, sinking shafts, refining, buying or selling oil and all the products thereof, and the right to acquire water or water rights, and to build, equip and operate roads and tramways, with full power to lease or make leases of property, real or personal, and to buy and sell real estate, stocks, bonds, machinery and merchandise of all kinds, etc., and do all things as above that will be to the best interest of the company."

A recent issue of "Industry" says of the personnel of this company:

"Colonel L. P. Crane, the President of this company, is best known here as the President of the California Petroleum Miners' Association, and is considered to be the peer of the experts on diversified formation. His experience is of forty years' duration, he having commenced his career in the fields of Pennsylvania and West Virginia.

"Capt. Frank Barrett, the Vice-president, frequently called the 'Father of the Coalinga District,' is the original locator and driller of the famous 'Blue Goose Well,' and one of the promoters of the Home Oil company, which stock recently sold at $5,000 per share. He is heavily interested in several different districts, and is considered a man of unerring judgment on oil matters. He will supervise the work in a general way, while James Barlow, another known and competent oil man, will direct the work in the fields."

Besides their McKittrick holdings the company has property in Sunset, Kern River, Coalinga and Berryessa fields. It is capitalized for $1,000,000 under the laws of South Dakota, and stock is nonassessable. The company is offering 100,000 shares of treasury stock at ten cents.

Another company incorporated under the laws of Arizona is the Standard Rock Oil, also operating in the McKittrick field. It is located in the SW ¼ of section 1, 30-21, on the property formerly known as the Stella, about ¾ of a mile north of the Kern River wells and the terminus of the McKittrick railroad extension, which gives favorable facilities for getting the product to market. Oil sand has been struck on the Argonaut, Little Standard, Kern King and other adjoining properties The Southern Pacific company has discontinued its policy of selling valuable oil lands for $2.50 an acre and has withdrawn its holdings in this locality from the market. The expert report on the property reads as follows:

San Francisco, Cal.,
Jan. 17, 1901.

The Stella Oil Mining Co. (now the Standard Rock):

I consider the lands owned by your company, to wit, SW ¼ Section 1, Township 30 S., Range 21 E., from a careful examination made by me to be fully equal in value to any location in the McKittrick district as oil producing territory. As a matter of fact, the presence of heavy oil seepages on your land, together with the outcrops of sandstone and shales convince me that you have every justification in anticipating the development of oil wells equivalent to hundreds of barrels of per diem production, and I am speaking conservatively in making this statement. Very sincerely yours,

M. M. Ogden,

Field Expert, Producers' Oil Exchange.

The company is selling 100,000 shares of treasury stock at ten cents a share at the offices of the California Oil Investment company, 475 Parrott Building, this city.

The Board of Directors of this company is composed of well-known business men whose names are a guarantee that the affairs of the company will be conducted in lines of strict business integrity and fidelity to the trust assigned to their care by the stockholders. They are: Alfred Fuhrman, the company's attorney; R. L. Bisby, the oil broker, who has prepared maps of the oil fields; James G. Steele, capitalist, formerly in business beneath the Palace Hotel; M. J. Henley, real estate; and Maj. R. A. Falkenberg, Manager of the California Oil Investment company.

Excavation in a Surface Asphalt Deposit, McKittrick District, showing Accumulation of Oil.

Calistoga Oil and Development Company.

The Calistoga Oil and Development company, having holdings in Yolo, Napa, Fresno, San Benito, Monterey and Kern counties, is a progressive company of well-known business and professional men of this city. The directors have purchased two rigs, and actual drilling will be commenced this month. A limited amount of treasury stock is offered at 50 cents per share. The offices of the company is at 23-24 Merchants Exchange, San Francisco.

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

Safe Investments

INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order now and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

MOSTELLER & ALLEN, Brokers
565-566 Parott Building, San Francisco
Send postal for "Oil Facts and Figures," now in press.

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W. B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, APRIL 19, 1901.

Securing Fuel Oil Permits.

The use of fuel oil in cities is hampered by many municipal restrictions, a necessary precaution in a community where the lives of so many people are at stake. The consumer of fuel oil in San Francisco is considered legally as an applicant for special privileges, the same as a person who wishes to install an engine and boiler or other work of similar character. Application to install fuel oil burners or tanks must be made to the clerk of the Board of Supervisors, and upon the receipt of this application the Fire Marshal makes an examination of the premises and gives his report to the Board, who act in accordance with his recommendation, and a resolution is passed providing the conditions under which tanks may be installed. A permit is rarely refused if the marshal recommends it. This is printed in the city official paper, and the resolution is passed and approved. A deposit of ten dollars is required with the application to pay the expense of publication.

On April first the Board passed a resolution defining the duties of the Fire Marshal in connection with the privileges granted for the storage and use of crude petroleum for fuel, which states:

"The Fire Marshal be and hereby is authorized, empowered and directed to prescribe the necessary conditions which shall govern the exercise of special privileges granted for the storage and use of crude oil petroleum for fuel by persons, firms and incorporations in this city and county; also to see that the conditions thus imposed are strictly conformed to by the petitioners. Furthermore, said Fire Marshal shall upon request of the respective petitioners furnish them with a written or printed copy of the conditions imposed by him as to the manner in which they will be permitted to store and burn crude oil or petroleum, and shall also furnish the clerk of this Board with a copy of said conditions."

Passed April 1, 1901.

The permit of the Tubbs Cordage company may be considered typical of all of them, as the conditions are practically the same in all cases. The fire test of 110° excludes Coalinga oil.

RESOLUTION No. ——.—Resolved, That the Tubbs Cordage company be and is hereby granted permission, during the pleasure of this Board, to erect and maintain a storage tank (having a capacity not exceeding 15,000 gallons) for the purpose of storing crude oil or petroleum to be used as a fuel at its works situate at the Potrero in this City and County. The Fire Marshal, to whom said petition was referred for investigation and report, having recommended said petition be granted, provided the said company strictly conforms to the conditions imposed upon it by him, to wit:

CONDITIONS.

Not more than 15,000 gallons of crude petroleum or oil shall be allowed on or about the premises at any one time. The crude petroleum or oil must stand a fire test of 110 degrees Fahrenheit or better before it will flash or emit an inflamable vapor.

The storage tank shall be constructed of not less than ¼-inch steel, caulked and riveted, and shall be placed in the spot agreed upon with the Fire Marshal. Said storage tank shall be buried under ground deep enough so as at least four feet of earth shall cover the top of said storage tank. A brick or concrete wall shall be constructed around said storage tank, not less than 12 inches in thickness, and shall extend up to the top of the earth covering said storage tank. The opening or pipe through which the tank is filled shall extend up to the grade line, and shall be kept closed at all times, except when filling.

The feed pipe which will connect the storage tank with the boilers shall lead through the top of the tank to the boilers.

A vent pipe not less than one inch shall be attached to said storage tank, and shall extend up above the roof, so as to permit the escape of gas.

The storage tank shall be connected with the boilers by a steam pipe through the top of the tank, the steam cock to be so placed so as to be of easy access to any person, and plainly marked "OIL TANK."

The petroleum shall be forced from the storage tank to the boilers by an automatic steam pump. In no case shall the oil flow from the storage tank to the boilers by gravity.

All connections shall be made perfectly tight, with well-fitted joints, and all pipes, connections and pumps shall be capable of resisting a pressure of 300 pounds to the square inch.

Also, provided said storage tank is placed in position and erected with the approval and to the satisfaction and under the supervision of the Fire Marshal.

Further, Resolved, That said Tubbs Cordage company, during the pleasure of this board and for the purpose of conducting said oil or petroleum into its works, be and is also granted permission to lay a pipe line in a ditch located beneath the roadway of Kentucky street, between Twenty-second and Twenty-third streets. Provided that this privilege is granted with the understanding that said company in laying said pipe line shall act in strict accordance with the provisions of Article VI, Chapter I, Subdivision 9 of Section 9 of the Charter, whereby the Board of Public Works is required to perform the work necessary in laying said pipe line.

(Petitioned for on February 25, 1901.)

Among the earlier users of fuel oil are the Gas companies, the Glass Works, Clark Pottery Works, Gladding, McBean & company, Steiger Pottery Works, the Western Meat company, the Pacific Borax company, and Natural Ice company.

Among recent applications were:

May 22, 1899: Central Light & Power company, Stevenson, between 5th and 6th. May 29, 1899: San Francisco Brick company, on Flint Tract. Oct. 9, 1899: San Francisco Breweries, Limited. Oct. 30, 1899: Joseph Scheerer, Brannan bet. 10th & Dore. Nov. , 1899: Vinvi company, 2304 Van Ness avenue. June 25, 1900: S. F. & San Joaquin Valley R. R., near Main & Spear. Aug. 6, 1900: Independent Elec. Light & Power company, 23d & Louisiana. Sept. 5, 1900: California Glue Works, 6th avenue & R street south. Sept. 17, 1900: San Francisco & Pacific Glass Works, 15th & Harrison. Sept. 17, 1900: American Tool Works, 109 Mission. Oct. 1, 1900: Wunder Brewing company, near Lombard & Greenwich. Oct. 1, 1900: Bowers Rubber company, 31 Commercial street. Oct. 1, 1900: S. F. Gas & Electric company, Jessie between 3d & 4th streets. Oct. 8, 1900: Pacific Sheet Metal Works, Seventh & Townsend sts. Oct. 29, 1900: Pacific Oil Supply company, near Sixth & Channel streets. Nov. 19, 1900: Pacific Power company, 26 Jessie. Nov. 19, 1900: Abner Doble company, corner Fremont & Howard streets. Nov. 19, 1900: California Street Cable company, California & Hyde streets. Nov. 26, 1900: D Ghirardelli company, Beach and Polk. Nov. 26, 1900: Independent Electric Light & Power company, Nievo near Georgia streets. Dec. 10, 1900: George W. Pennington & Sons, Montgomery & Chestnut streets. Jan. 14, 1901: Spring Valley Water Works, at Pumping Stations. Jan. 14, 1901: Merchants' Ice & Cold Storage company, Montgomery & Lombard streets. Jan. 14, 1901: Stauffer Chemical company, Utah, Alameda, Bay and Dupont streets. Jan. 21, 1901: Hearst Oil company, Potrero Block, No. 271. Jan. 21, 1901: Alcatraz Asphalt Paving company, 411 Berry street. Feb. 4 1901: Pacific Oil & Lead Works, King, between 2d & 3d streets. Feb. 4, 1901: Simons Font Brick company, Eighteenth & Corbett Road. Feb. 11, 1901: Cascade Laundry, 175 Tenth. Feb. 11, 1901: New England Soap company, near Santa Clara & Rhode Island. Feb. 11, 1901: Lane Hospital, Webster, between Clay & Sacramento streets. Feb. 18, 1901: F. Thomas, Parisian Dyeing & Cleaning Works, 27 10th street. Mar. 4, 1901: Miller & Lux, First avenue & Kentucky street. Mar. 4, 1901: Olympic Club, Post street, between Mason & Taylor streets. Mar. 4, 1901: Del Monte Milling company, Stanford street near Brannan.

March 18, 1901: Martel Power company, 140 Freemont street. March 22, 1901: California Fruit Canners Association, Powell & Francisco & 7th & Berry. March 22, 1901: Consumers Ice company, 450 5th street. April 1, 1901: Crocker Estate, Crocker building. April 4, 1901: Market street Railroad company, at Bryant & Alameda, Valencia street Power House, Carl street, Power House, Mason & Washington street, Power House. April 4, 1901: Pulbis Cordage Works, Potrero. April 4, 1901: California & Nevada Ice company, 307 Tehama street. April 4, 1901: Bay City Brick company, 24th & Corbett Road. April 4, 1901: American Steel & Wire company, Bay & Powell streets. April 4, 1901: Fulton Engineering & Southern Pacific Works, Harbor View. April 4, 1901: Merchants' Cold Storage company, 301 Davis. April 4, 1901: H. Lorraine, 10th & Harrison streets.

INSURANCE COMPANY RULES.

The Pacific Insurance Union, composed of the principal insurance companies operating on the Coast, has laid down a set of rules under which petroleum may be used as fuel without vitiating the insurance policy. Changes may be made by paying higher rates, and the property must be inspected by the Board of Fire Underwriters. They are as follows:

FIRST—The storage tank to be constructed of boiler-iron, to be buried not less than four feet under ground, and at least two feet below the lowest point at which oil is burned, surrounded on all sides by at least two feet of earth or masonry. To be located outside all buildings and not within five feet of the foundation of any building. The opening of pipe through which tank is filled to be perfectly closed, except when used in filing. A vent-pipe not less than ¾ inch to be attached to tank, to extend ten feet higher than adjacent buildings, and to be covered at the top with copper gauze.

SECOND—The petroleum to be forced directly from storage tank to furnace by an automatic pump.

THIRD—All connections to be made perfectly tight with well fitted joints; and all pipes, connections and pumps to be capable of resisting a pressure of 300 pounds to the square inch.

FOURTH—The storage tank to be connected with the boiler by a steam pipe with a shut off cock.

California Oil Exhibition

The coming importance of the California oil industry is significantly shown in the proposed plan of the Mechanics' Institute to make the oil business the leading feature of its annual display at the Pavilion. Thousands of visitors flock to the Fair every year from every part of the Pacific Coast, and the amount of interest which will be aroused cannot fail to be of great benefit both in interesting capital and increasing consumption of fuel oil. It is proposed to have a practical exposition of methods of drilling, pumping, storage and marketing and refining processes.

Samples of oil from different fields will be on exhibition, as well as the different grades of refined, lubricating and asphalt products of distillation, with their respective analyses. The use of oil in gas making will be shown as well as its direct use as an illuminant. Models of the different types of drilling machines in working trim will be on exhibition. The application of fuel oil for steam purposes will have practical demonstration, and the use of crude oil or the refined product to develop gas for cooking purposes will be fully illustrated.

A thorough advertisement is needed by the oil industry not only to give a proper insight into the business, but to convince Eastern capital that in California it is on an actual business basis and not out to "catch suckers" as the Oil Paint and Drug Reporter of New York insultingly puts it. Such a statement, based on the over-stated conditions set forth by too zealous promoters of one or two boom companies, have had a tendency to ruin the markets for legitimate California oil stocks in the East, and our own State press is doing all it can to confirm this impression by its anxiety to show up a concern whose principal fault was its anxiety to sell its stock without delay. Although we see that every newspaper advertisement makes claims which it does not expect to substantiate in full, and the buyer is expected to make allowance for such statements, whose chief object is to attract attention, yet when the offending advertiser happens to be an oil company every one holds up his hands in horror at such awful mendacity, and the whole industry receives a black eye on account of a few individuals. Now the support which the Mechanics' Institute propose to give the oil industry in its August exhibition will show the people of this coast and the East that the oil men do not intend to "catch the suckers," that it is a legitimate business in which men of the highest business standing are found, and that misrepresentation and chicanery are NOT characteristic of the oil promoter, as our Eastern friends would have us believe.

FOR BETTER OIL RATES.

Complaint Filed Before the Railroad Commission.

A formal complaint has been filed in the case of the oil men against the railroad companies by Frank H. Short of Fresno, as attorney for John Le Blan, a producer and shipper of petroleum. The summons has been served on the company and it is likely that evidence will be taken at the meeting of the Commissioners on May 7th. The complaint runs in part as follows:

That, as plaintiff is informed and believes, and therefore avers, there were produced, shipped, transported and sold in the State of California, from wells operated within said State, 4,300,000 barrels of crude petroleum oil during the year 1900, and that such production of oil is constantly increasing, and the production thereof within said state will amount for the year 1901, as near as can be estimated, to 5,000,000 barrels or upwards.

That about 3,000,000 barrels of said petroleum oil are produced from wells north of the Tehschapi mountains in said state, and principally in and about the following districts or localities within said state, to wit: In and about Bakersfield and certain localities in Kern county, California, commonly known and described as the Kern River Oil District, McKittrick Oil District and the Sunset Oil District; and in and about the town of Coalinga and the town of Oil City, near to said town of Coalinga, in the county of Fresno, California; and that considerable quantities of oil are produced in other parts and districts within said portion of California.

The complaint goes on to say that the length of haul averages 200 miles. The large increase of production of the past year has brought the price down from over $1 a barrel to from 25 to 50 cents, but the company continues to charge 42 cents a barrel for transportation from the valley oil fields, and is greater to more northern points.

The complaint continues:

That said transportation companies, in addition to said rate of forty-two cents per barrel, charge and exact such charge for the use of the spur at Bakersfield and Sumner to the point therein called Oil City, three and one-half cents per barrel of forty-two gallons, and for such spur extending into said Kern River District, four and two-third cents per barrel, being a minimum charge for use of said spur track, called a switching charge or spur charge of $5 per car to said Oil City on said spur track, and $7 per car from points beyond said Oil City upon said spur track.

That said branch line of road from the point where it leaves said main line, in its farthest extent, does not exceed in length two and one-half miles, and such spur, or switch charge, as aforesaid, is excessive and unreasonable—is very much in excess of any reasonable or proper charge therefor, and is an arbitrary and unreasonable charge.

That, as plaintiff is informed and believes, and therefore avers, the aforesaid rate per barrel for the transportation of oil from said points of shipment within the State of California is very largely in excess of the cost of transportation thereof to the said defendents, and each of them, and that the cost to the said defendents * * * does not exceed one-half of such charge now charged and exacted for the shipment thereof.

As plaintiff is informed and believes, and therefore alleges, the said rate * * * is excessive, unreasonable, unfair and oppressive, and that at a rate charge of twenty-five cents per barrel for the shipment thereof, the defendants could transport said oil so produced, and all that will be produced or shipped within the State of California, at a charge or rate of twenty-five cents per barrel, without spur or switching or other additional charge, and that at such rate or charge the defendants, and each of them, could make a fair and reasonable profit over all of the expenses of shipment and transportation of said oil.

Steady Advancement.

The Kern Valley Oil company expects to commence operations in he Cottonwood district in about thirty days. That this portion of Kern County will be a prolific producer is unquestioned, as new discoveries are being made continually which has the tendency of largely increasing the value of the companies' property in that district. Their second block of stock was placed on the market for 25 cents per share on the 16th inst., and the demand for the same continues actively and shows no signs of abatement. The investing public realize that the Kern Valley is one of the strong companies that are operating on proven oil lands and appreciate the aggressiveness that characterizes its management. It is rumored that several sub-companies will shortly be incorporated to operate on certain portions of the Kern Valley Oil company properties.

Claim Want of Jurisdiction.

A press dispatch says:

Judge Wellborn has under advisement the perjury and conspiracy indictments found against J. A. Hannah and J. R. Johnson in connection with the scrippers' cases in Visalia. The question of jurisdiction has been attacked.

Attorney Chandler claims that the crime for which Johnson was indicted was committed in the Northern district, and cannot be tried or heard in Los Angeles. On May 29, 1900, Congress passed an act, made effective June 30, 1900, by which Inyo, Merced and Mariposa counties were taken from the Northern district and added to the Southern. Counsel claims that the crime was committed in the Northern district and should be indicted there and the trial held there. He asks for the setting aside of the indictment.

The Deepest Well.

The deepest well ever drilled was by the Forest Oil company, at West Elizabeth, Pa., twelve miles from Pittsburg, Pa., which when completed will be 6000 feet deep. There was only one string of casing in the well, 6¼-inch, 900 feet deep. At the depth of 2285 feet a flow of gas was struck which was sufficient to make steam to drill the rest of the hole. At 5500 feet the temperature was 120 degrees. At this depth the crown pulley broke and cut the rope and dropped the tools 100 feet. They used two 25-horse-power engines, two 25-horse power boilers, three bull ropes, 16-inch belt, 13½-foot band wheel, 3-inch forged shaft and crank, 4½-foot flanges, two brakes on bull wheels and two cables spliced together, making about 6000 feet. Approximate cost of the well is about $40,000.

Petroleum in the East.

The Indians throughout the Allegheny valley, like the aboriginal inhabitants of most other countries where petroleum has been discovered, were acquainted with some of the medical virtues of the bad-smelling, oily substance that exuded from the ground in prolific seepages. The early settlers, also, received comfort for muscular ailments, and until a comparatively recent date "Seneca Oil" was harvested about the country side in the East as a specific for rheumatism and other pains.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

Lincoln Oil Company OF OAKLAND, CAL.

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered to Investors for A Short Time.

1686 Acres of Oil Lands

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28-27, Kern River district has passed through rich oil sand and will soon be finishedwith the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

This splendid company has been shut down for forty days waiting for a carload of drive-pipe, which arrived on the 28th of March, and is being put down by a crew working night and day.

It was found that when work was ready to proceed, eighty feet of oil had oozed in from the bottom.

For further information apply to

J. H. EDSON, Central Bank Building, Oakland, Cal.

A few Reliable Agents wanted to sell our Stock

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

It is reported that a company is drilling out the old well near the Mountain House, Colusa county, that was sunken several hundred feet about thirty-five years ago. It is said a number of barrels of oil were obtained from this well at that time, but it was abandoned because the oil could not be sold.

CONTRA COSTA.

The Point Richmond Company has definitely planned to erect a first class rig and begin drilling soon on its land near San Pablo, Contra Costa county, and close to the property of the Mount Diablo Company, which has developed oil in its well.

FRESNO.

The Independence finished its new well at Coalinga this week.

The Confidence is having trouble finishing No. 4.

The Corona has overcome difficulty with the casing and is making hole fast.

The Commercial Petroleum is in trouble with casing.

The Crescent is deepening their well hunting the lower sand.

More cars are coming in now to Coalinga and shipments are freer.

The Timber company is hauling a rig to section 36, near Oil City, where a new well will be started.

Within the next ten days the Mercantile will be in oil on its Coalinga property.

Oil sand has been found in the well of the Roanoke Oil company. The well is now very deep, but will be sent in much farther.

There is considerable gas in the hole of the Santa Clara Oil company, and the prospect of finding oil is remarkably good.

The Coast Range Water company has at last commenced to bore on its new Coalinga well, and is hopeful of striking a good flow.

The El Capitan Oil company is reported to have found oil in a well that gives promise of becoming a first-class producer. The oil taken from the hole is of light gravity and similar to that found on section 28.

GLENN.

The well of the Great Northern is now down 1050 feet. The drill has gone through a continuous bed of shale. It is thought that should the drill go through one hard formation the oil will be found beneath it. This well will be sunken to a depth of 2000 feet if oil is not struck in a less depth.

The patent reamer being used to ream the well of the Glenn County Oil & Coal company got struck in the well Wednesday of last week, but by the aid of an ingenious device contrived by the driller, Wm. Bielar, the wings of the "fairy" reamer were closed and it was brought to the surface amid the blasts and toots of the steam whistle and the shouts of the workmen.

KERN.

Germania is spudding in on 7, 11-23.

Claremont is pumping 300 barrels a day.

Hanford-Fresno-Kern went into the sand in well No. 2 last Friday.

The 1901 reports a strike on section 34, southeast of McKittrick.

Rinconada, an outside operator on 6, 11-23, is down 500 feet.

Petroleum Center is drilling No. 6 on 28, and is cutting out a road to the site selected for a well on 8.

Mt. Diablo has leased eighty acres in the north of its Midway section, 26, 32-23, to Packard & Fox.

The Chicago Extension on the northwest of 24 south side steamed up this week.

Missouri No. 2 on 29 will begin spudding on No. 2 today. No. 1 is down 700 feet.

The San Francisco has struck oil on 25, 32-23, Midway field at a depth of 500 feet.

Chicago Crude No. 2 pumped an even 400 barrels last Thursday in twelve hours.

The reported strike of the Transfer in the Midway amounts to nothing more than indications.

No. 4 of the Chicago Crude, 30, 28-28, has been finished and flowed for a time after completion.

Chicago Crude, on the northwest of 30 28-29, has finished No. 4, which shows up magnificently. It is located on the east line, about midway between corners.

Majestic, on 31, has a depth of 1050 feet, and during the last fifty feet struck several fairly good showings. The drill is working in a tough blue clay.

Junction, latest well on 8, 28-28, which struck oil in January and started off with a big yield, is doing 200 barrels daily. The depth of the well is 888 feet.

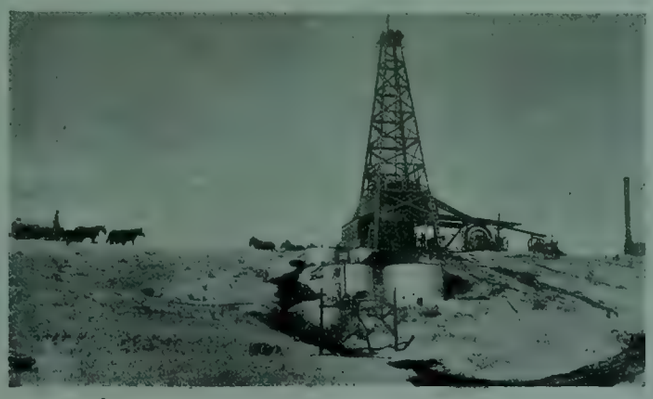
Sacramento Gilt Edge will, under agreement with Dixie, put down a well on the NE¼ of 77, 11-23. The rig is ordered and work will begin within thirty days.

Meridian is making progress in the belt to the northeast of Sunset, on 22, 32-26, and is encountering favorable formations. Should it strike oil a large area of territory would be added to proven ground.

A force of men for the Mountain Valley and Bakersfield railroad is running the lines for the roads and setting stakes from Thirty-fourth street in the town of Bakersfield to the oil fields.

Sycamore on 31, 28-28 has its well completed at a depth of 1170 feet. The drill went into sand at 600 feet and with the exception of several thin strata of clay sand has been continuous.

San Joaquin's well No. 14 has been pumping for one week and is yielding 1500 barrels of oil and gas, or between 800 and 900 barrels of pure oil. The well continues to improve daily. Drills are going down in six new wells.



A Well in the Kern River District.

The Wizard on the northwest of 26, south of the river, is now building its derrick.

The Four company has completed wells 6 and 7. It is estimated that each is good for 300 barrels.

There is a rumor that the Standard contracted for oil at 50 cents with a company in the Kern River district.

The Maricopa's new well on 1, 11-24 proves to be a good one with oil flowing over the casing.

Keystone rig on Lion well No. 2 at Sunset is doing satisfactory work. The well is down 450 feet.

Standard Oil has two of its 35,000 barrel tanks nearly full. Most of the oil came from Four company.

Senator No. 7 proves to be a better well than No. 5, which has for months averaged from 250 to 275 barrels a day.

Tiger's well on 12, 11-24, has been flowing a little oil, although the drill has entered only two feet into the sand.

Wolverine well No. 3 was perforated last Friday and makes a rich showing. It is thought to be good for 300 barrels easily.

Drilling has commenced on Kern Sunset's lease on the southeast quarter of 1, 11-23, and Washington, immediately to the north, is also at work.

Equality on 21, 28-28 has perforated its first well, and the result is satisfactory, as is evidenced by the fact that well No. 2, will be begin at once. Equality is operating in comparatively new territory, being the first to send down the drill on 21.

The Lone Star on 32, 12-24, has abandoned its well at 1,587 feet. The water in the well will give some revenue. The well cost $23,000.

A strike has been made in DeGroot well in 33, 29-21, between McKittrick and Temblor, at a depth of 1100 feet. This well is in new territory three miles from the Kern River property and the strike is therefore of interest. The value of the find is undetermined.

Nevada county, 30, 28-28 has one well pumping 1000 barrels daily. This is the only well which has nine and five-eighths casing to the depth of 1050 feet. No. 2 is down 453 feet. No. 3 is down 800 feet with nine and five-eighths casing. Mr. Carpenter is secretary.

The deed for the sale by the Sacramento people to H. M. Davis of Missouri and C. W. Harrison of London has been recorded. The property involved is a ten-acre tract in 29, 28-28 and the figures named $4500 per acre—a total of $45,000 for the lot. The deal was made and the deed executed some time ago.

Dabney has started on No. 15. Not all of its wells are pumping, but sixty or more cars were shipped last out month.

"1901" has made a strike southeast of McKittrick on 31, near the point where the Monarch of California will begin work. The bailer comes up well filled and the strike is considered a good one.

San Francisco has oil in the extreme northeast corner of 25, 32-23. It was encountered at less than 500 feet. The location of the strike is close to the break traceable for miles through that country.

McKenzie & Griffith have named their new company the "Mountain Boy." It has a lease of eighty acres in the south half of section 24, 32-23, and will be drilled as soon as machinery can be placed on the ground. The derrick is up.

W. E. Youle went East last week on business connected with a new refinery that will be established at Kern City for the manufacture of asphaltum. The organization consists of ten men, among them Mr. Youle, each of whom has invested $10,000.

Kern King on 15, south of the river, is down 600 feet with eleven and five-eighths, and will lower its casing and shut off the water. This company also has the best of prospects on 11, 30-21 in McKittrick district, where its well is down 750 feet, with a good showing of gas.

A. C. Wilkinson has leased for twenty years to W. B. Charles of Kings' county the northeast of the southwest quarter of 23, 32-23. The royalty is fixed at one-sixth of the product and providing the lessee decides to purchase the tract he may do so, the valuation fixed being $500 per acre.

Century has entered the third sand at a depth of 1189 feet, and prospects are flattering. Already ninety feet of sand was passed through in the second stratum. The possibilities of the third sand are hardly known as yet, Santa Barbara being the only company that has gone deep enough to encounter it.

Diamond has a great well to the north of the Jewett & Blodgett works on 13, 11-23. The well spouts twice a day and sends up oil in a column to the top of the 70-foot derrick. When it strikes the crown block, the oil is broken into spray, The well is now in the show of Sunset district. No. 2 is being drilled.

Hanford-Sanger, on 3, 11-24, has prospects favorable for as good a well as Wilson on the same section. The well is down 600 feet and the drill has penetrated the oil stratum about 150 feet. The sand shows up rich. The Wilson well continues to flow a good body of oil, not continuously, but at regular intervals it starts up and for an hour or more pours over the casing.

The pump that was shipped out from Fresno to test the Raisin City water well on 31, 32-24 is tied up for repairs. It was operated for about two hours and in that time made little impression on the quantity of water in the well. When repaired it will be kept in motion until the well has been thoroughly tested. The water is said to be pure and wholesome and for that reason the discovery is all the more valuable.

Not disheartened by failure to strike the oil sand in its well on 32, 12-24, Lone Star will move to a new location in the northwest quarter of the section and go down again for oil. Experts claim that the Eastern portion of the section is promising and recommend drilling there. The company has let a new contract to L. C. Feather and will be at work as soon as the rig can be placed in position. It will establish a pumping plant at the old well.

Maricopa on the southwest of 1, 11-24

has finished its well. It is about 700 feet deep and taps three strata of sand, each of good depth. One peculiarity in this well is the fact that the first and third are much heavier than the second stratum of sand. There may not be much difference in the degrees of gravity of the product, but the second is said to contain a much larger per cent of oil. It is generally supposed that the deeper the well the higher the grade of the oil. Not so in Maricopa.

The secretary of the Diamond Oil company, which has a well partly completed in the McKittrick district, straightened out the affairs of the company preliminary to resuming work on the well and sinking it several hundred feet further to paying oil sand. The Diamond has a good plant in the district and the well is down over 900 feet. It owes no debts and has nearly 200,000 shares of stock in the treasury. The company is about to let a contract for the completion of the well; and it has the assurances of experts including State Mineralogist Cooper, that if it goes deeper it will undoubtedly strike oil in large quantities. As it owns 640 acres of land a strike means a bonanza for the stockholders, and will open a vast acreage in the northern portion of the McKittrick field. Col. E. D. Berri and Doctor Sponagle deserve a great deal of credit for the energy and enterprise evinced lately by the company.

LOS ANGELES.

The Kelsey well is completed.

The drill in the Wilson hole is in 650 feet.

The Baldwin well in the northwestern part of the field has been drilled 600 feet, but no oil has been found yet.

The Domestic company of Pasadena reports that the three wells have been completed on its property in the Laheart tract in the northwest end.

South of the Laheart tract in the local field, the Kern Oil company should be in oil sand at the present rate within the next five days.

Wentworth and associates have begun work not far from Rosedale avenue. The rig is a mixture of water and standard drilling outfits.

West of the Domestic property in the west end, Elleford and Rudersill are erecting a drilling plant which should be completed within the next few days.

West of the Hecla, in the local field the Sterling well is in 850 feet. Drillers estimate that oil will be struck at 1000 feet.

On the north a new Standard rig is at work, but is not far enough advanced to show oil indications as yet. This well is being drilled by Messrs. Sibley and associates.

Oil was found in well No. 1 of the Los Angeles and New Hampshire oil companies at a depth of 400 feet. This hole, in the northwest end will probably be good for twenty barrels.

On the Gird tract, in the local field, the Sterling company has its well in 1050 feet, and expects to strike it within the next 200 feet. There are now traces of oil in the shale.

The Pioneer Petroleum company, operating on Rosedale avenue, near Fourth street, in the local field has found oil. It is estimated that the well is good for thirty to thirty-five barrels.

The deepest well in the city field is the W. G. Riley well, west of Western avenue near the Pelissier tract. It is down 1680 feet, mostly with eleven and five-eighths casing. No amount of oil has been found so far.

Just south of the Pioneer, in the northwestern extension, is the Hecla Oil company, which is down 700 feet, with indications in the hole that oil will be found within the next 100 feet. One stratum of shale has been pierced which is full of oil, and there are showings of gas.

MARIN.

Some of the difficulties experienced in developing a new oil section is being brought out in the Bolinas district. The Garzoli well is now down 1300 feet, all in shale, with no oil sand in evidence, while two miles away on the same bluff adjoining the ocean the Sherman well is down only 800 feet and has developed 100 feet of first oil sand, says the Marin Journal.

In the former well casing has to be used the whole dis auce, 800 feet depth. The former had a surface formation of shale, the latter conglomerate. The Garzoli well has to be cased its whole depth, while even the oil sand in the Sherman well is hard enough to hold up, and the whole well is being drilled without the necessity of caslng beyond the first two hundred feet.

ORANGE.

J. M. Kellerman is deeping well No. 12 on the Union Brea Canyon lease. It will be sunk to the second oil sand.

The Menges Oil company, which has been fishing for a sand pump at the bottom of its 1300-foot well the past three weeks has resumed drilling.

The Union Oil company brought one of its Piru drilling crews to Fullerton. This company has put down 1135 feet of nine and five-eighths inch casing in well No. 13, and commenced a rig for another well, opposite the Brea canyon Oil company's big gusher, No. 7.

The Brea Canyon Oil company has opened up a new gusher, No. 8, and it is believed it will be a bigger producer than No. 7, which has been putting out hundreds of barrels of oil daily. This new well spouted oil through the top of the derrick. This company is now grading for two more wells, Nos. 11 and 12.

SANTA BARBARA.

Some new wells are drilling on the Becker property.

Drilling operations for oil have commenced on the Hope ranch.

The North Star company are having a 100-barrel loading tank on the Seaside company's spur.

The Marine company has contracted for three new wells on their new wharf. There is space for eleven wells and a pumping plant on the 600-foot wharf.

The Seaside expects to have the pumping jack and electric motor for the North Star company rigged in a few days, when well No. 1 will be pumping.

The Juanita company struck a stratum of 10 gravity oil in their No. 1 well. They have cased it off and are going after second sand with 4¼-inch casing.

The well of the Southern Consolidated at Rincon, after being put down over 1700 feet, will be abandoned, and the rig moved to a new location. They are now engaged in pulling the casing.

The North Star has had fishing jobs on its No. 2 well. They have now finished the hole at a depth of 221 feet. Though shallow, the well went through the second sand, and they will have a good average producer.

F. G. Churchill has the contract to put down the deep hole at Loon Point for John Nott. This point marks the extreme eastern limit of the field, and several shallow holes in that vicinity have proven failures.

SAN LUIS OBISPO.

A new rig is reported about to commence work on the Tar Spring creek.

B. Chandler, at work on A. B. Hasbrook's, is about ready to start another rig at work.

The Huasna Oil company is now putting up a heavy rig to finish their No. 2 well, which promises to be a good one.

N. J. Downer, for a Los Angeles firm, has just perfected arrangements for placing a drilling outfit east of the Huasna.

The Arroyo Grande Oil company has a fine new outfit at work six miles east of Arroyo Grande upon some very promising new territory.

J. F. Beckett has sold to the Union Oil company 1400 acres of oil land near Edna. also 275 acres of oil land to Wood & Church of Pasadena.

The Union Oil company has sunk three prospect holes near Arroyo Grande, securing oil in two of them. In their last well they passed through three seepages, and are now in oil of 20 gravity.

B. Chandler and others of Los Angeles have purchased 5000 acres of good oil land from the same party. Mr. Chandler has also purchased the Manuel Brown ranch near St. Remy.

SAN BENITO.

The companies in the San Juan district are making good progress.

The Dos Palos Oil company has a new directorate. J. B. Hoss is secretary.

The San Benito County Oil company, after two or three days' delay for casing is drilling again.

The Hollister Petroleum Development company has drilled 200 feet. This company is drilling night and day.

A rig ordered from Pennsylvania is expected to arrive at Mulberry in a few days for the Mulberry Oil company.

The California Guaranty Oil company expect to begin drilling on some choice oil land in this county very soon.

Anderson Akers has been offered fifty thousand dollars for his real estate above Hernandez, formerly only worth ten thousand.

An oil company is being organized by H. S. Field of San Francisco to operate in territory northwest of the Vallecitos near the Union Oil company's wells.

The San Benito Crude Oil company has three carloads of lumber at Tres Pinos. The machinery and tools for three rigs are expected to arrive daily and not later than next week.

The Dirigo derrick and boring machinery is within 500 yards distance from the Nonpareil at Bitterwater. They have a Keystone rig. Boring is in progress but they have not yet struck oil.

The Nonpareil at Bitterwater has a standard drilling outfit. The drill is down 350 feet. In the creek at the base of a large sand rock are noticed seepages and the rock strongly impregnated with the petroleum.

A few hundred yards to the northwest as the land of the Star Anticline company, where two or three test wells have been sunk short distances from the surface and where indications are considered promising. The company is awaiting the result of operations by the other companies before doing any active work.

There are two derricks on the Topo ranch. This ranch is divided into parts, one owned by Jas. Dunne of San Felipe and the other by Peter Dunne. Each is the owner of about 12,000 acres. Asphaltum is to be found here in abundance with many oil seepages. It may prove to be rich in oil. Many tons of gypsum have been shipped from the ranch.

Recent rumors of a strike made by the Nonpareil Consolidated Oil company in San Benito county are corroborated by the company's manager, E. C. Newell. Oil was encountered in such quantities in well No. 2, now drilling with a standard

South of Kern River

I HAVE FOR SALE

100 Acres of Choice Oil Land

Located in 35, 29-28

This district is pronounced by experts to be second to none in the State for oil-bearing purposes. Wells are now being drilled on three sides of it, and in one month it is believed this land will be worth $1000 an acre.

If sold at once the price will be

$100 AN ACRE

The S. P. Co's road runs through the property.

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Box 10, this office.

rig, at a little over 600 feet, as to cover the tools and cable also that gas has been coming with such force for some days as to make drilling at night dangerous.

SHASTA.

The Shasta Consol dated people lost a bit and stem of their drill and succeeded in hauling it out in two hours. The hole is down 300 feet.

The Keswick Crude Oil company will have a standard well-boring rig on its land in Shasta county by May 1st.

The Keswick Crude Oil company's land is situated in the Sands Flat district, two miles north of Redding and one mile east of Keswick.

TEHAMA

An average of from six to a dozen oil claim locations are filed in the County Clerk's office every day

TULARE.

There is an oil well boring rig now stationed at Rag Gulch, near Delano, and it will be started up as soon as a carload of oil can be secured at the spot to run the engine with. The Visalia Times states that active work will soon commence there to prove what the experts have said is true.

VENTURA.

The Home Oil company is making progress with its well south of Santa Paula, now that the water has been shut off.

The Sobra Vista Oil company found a strong vein of excellent quality oil at 180 feet in their well No. 1 on the Bracken tract.

John McKelvey has purchased the oil claim northeast of Santa Paula, formerly owned by John Baker and Phil. Olivas. Drilling will begin in a short time.

The company owning the oil right to Ferndale ranch have advertised for bids for sinking four or five wells—work to commence at once.

The Home Oil company is making substantial progress with the well south of Santa Paula The difficulty occasioned by water breaking in has been practically overcome and the work of drilling is going ahead again.

In the Harmon canyon, near Saticoy, the Uncle John Oil company has drilled in a little over 900 feet, and while no oil has been found as yet, there are very striking indications. Some trouble with casing has delayed work there, but drilling will soon be resumed.

KERN.

The Piedmont well is completed and will be perforated this week.

The Del Rey is down 1200 feet, the last 600 being continuously through sand.

McKittrick company's No. 1 is pumping 250 barrels per day. In No. 1, 7 5-8 casing is being put in.

The Olema is down 615 feet with 11 5-8 and the casing is following the drill easily.

On Monday the Sunset Diamond began flowing over the casing and continued for several hours.

The Henrietta has purchased a complete new outfit and will be drilling on well No. 2 this week.

The Gold Dollar has perforated and yesterday the well was bailed for a half day without lowering the oil.

The Sea Breeze is putting in its water pipe lines and tanks preparatory to beginning work at McKittrick.

Superior No. 2 is in the sand and good progress is being made in No. 3.

Fourteen teams loaded with lumber went out to Kern River yesterday from Eckstrom's.

The Emperor well on 2, 11-24 has not yet been perforated, but is flowing from 150 to 200 barrels a day. The well is but 700 feet deep, and in the third sand.

According to rumor negotiations are pending for the sale of the southwest quarter of section 28, 28-29, belonging to the Reed Crude Oil company. It is stated that the pending sale carries all the wells on that tract, as well as contracts calling for the delivery of 18,000 barrels of oil a month.

The Chehalis Oil and Mining Co

The Chehalis Oil and Mining Company, whose property is in Colusa county, is selling stock rapidly. The price will be advanced to twenty cents per share next week.

A Good Map.

The excellent map of the McKittrick field in this issue is reproduced in part from the large map of Busby & Hedges which can be secured from stationers. It is considered the best map published up to the present time.

OIL LAND SOLD.

Proven Territory Disposed of at $3500 Per Acre.

According to the Bakersfield Californian 50 acres of land in the Kern River district, described as the E. ½ of the SW. ¼ of the NE. ¼ of 29-28-28 have been sold by the Doheny Oil Company to P. V. Schermerhorn of Los Angeles for $70,000, or $2500 per acre.

D. C. Wallace Jr., the vice-president, and Walter Cosby, the secretary of the company, executed the deed to Schermerhorn, which was placed in escrow pending the payment of the sum of the sum of $70,000, the price agreed upon. The deed was executed on February 1st and filed on Monday. The land sold is all proven territory.

A Rare Bargain.

Attention is directed to the advertisement published elsewhere of land for sale in the coming oil district located south of Kern River, and north and east of Bakersfield. This land is believed by experts to be in every way equal to the land south of Kern River, and to be better in the respect that the oil is of a lighter gravity, more easily handled and commands a higher price, than that north of the river. The owner offers this at $100 an acre if sold immediately.

Persons desirous of making an unusually good investment in oil land should write at once. Title perfect. Location 35, 29-28. Principals only. Address, W. B., box 10, this office.

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THE CHEHALIS OIL & MINING COMPANY

will operate on 2060 acres in Colusa County adjoining the Gibson Gusher. They offer the greatest possible returns to investors of any company in California. Crude oil actually worth $6 per barrel has been found. Stock is absolutely non-assessable. A limited amount is now offered at a ground floor price.

For map, prospectus, etc., call on or address

THE CHEHALIS OIL & MINING COMPANY.
232 Montgomery St., San Francisco.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

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The Occidental Exploration Company buys, develops, exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

F. H. HAUSMAN, Secretary.
Room 32, 8th Floor Mills Bldg.
San Francisco, Cal.

Stock Sales.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, April 17:

ÆTNA.

500 at	19	95 00
1000 at	20	200 00

BLACK JACK.

50 at	1 00	50 00

BEAR FLAG.

100 at	15	15 00
500 at	14	70 00

BLUE GOOSE.

60 at	2 00	120 00

CORONA.

6000 at	03	450 00

CALIFORNIA STANDARD.

600 at	42	252 00
300 at	39	117 00
2500 at	40	1000 00
300 at	38	114 00

CARIBOU.

4000 at	70	2800 00

EL ORO.

50 at	55	27 50

EL DORADO.

700 at	1 55	1085 00

FOUR OIL CO

1000 at	51	510 00
300 at	49	147 00
700 at	50	350 00

HANFORD.

5 at	90 00	450 00
1 at	92 00	92 00
10 at	93 00	930 00
1 at	94 00	94 00

HANFORD-FRESNO-KERN RIVER.

400 at	15	60 00

HOME OIL.

50 at	3 75	177 50
300 at	3 85	1155 00
525 at	3 75	1995 00

INDEPENDENCE.

1000 at	19	190 00
1000 (Cash)	19	190 00
1000 (B30) at	20	200 00
3000 (B30) at	19	570 00
1100 at	18	198 00

JUNCTION.

350 at	55	192 50
200 at	54	108 00

KERN.

65 at	7 37½	479 37½
50 at	7 25	362 50
50 at	7 50	375 00
50 at	7 12½	356 25
285 at	7 00	1935 00

KERN RIVER.

10 at	12 00	120 00
70 at	13 00	910 00

HOMESTAKE.

15 at	7 50	112 50

LION.

800 at	19	152 00
2000 (S90) at	17	340 00
3900 at	18	732 00

MONTE CRISTO.

100 at	2 45	245 00
200 at	2 40	480 00

McKITTRICK CONSOLIDATED.

1850 at	15	277 50

MONARCH OF ARIZONA.

100 at	52	52 00
500 at	54	270 00
200 at	56	112 00
200 at	57	114 00
500 (B30) at	60	300 00
2230 at	59	1284 90
1600 at	60	960 00
1700 at	56	1003 00

OCCIDENTAL OF W. VA.

100 at	52	52 00
400 at	50	200 00
900 at	51	459 00

OIL CITY PET.

500 at	25	120 00
3300 at	26	858 00

PEERLESS.

100 (B60) at	8 50	850 00
100 (B90) at	8 62½	862 50
300 at	8 00	2400 00
50 at	8 12½	406 25

PETROLEUM CENTER.

3000 (B60) at	16	480 00
5500 (S 30) at	15	825 00
2750 at	15	412 50
1000 (B 30) at	16	160 00

REED CRUDE.

200 at	51	102 00
2350 at	50	1175 00

REX.

100 at	40	40 00

STERLING.

300 at	2 02½	607 50
150 at	2 05	307 50

SHAMROCK.

100 at	76	76 00
100 at	87	87 00

SUNSET.

100 at	28	28 00

TWENTY-EIGHT

300 at	1 25	375 00
100 at	1 30	130 00

WOLVERINE.

100 at	1 05	105 00
500 at	1 10	550 00

YUKON.

175 at	30	52 50

Shares 66,402 Amount $28,275.27½

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending April 17:

CALIFORNIA STANDARD.

1100 at	41	451 00
2500 at	40	1000 00
100 at	39	39 00

CARIBOU.

500 (S 90) at	70	350 00
950 at	70	565 00

FOUR OIL.

1150 at	50	575 00

JUNCTION.

500 at	55	275 00

HANFORD.

3 at	90	270 00

HOME OIL.

50 at	3 80	190 00
200 at	3 85	770 00

INDEPENDENCE.

2000 at	18	360 00

KERN RIVER.

20 at	11 25	225 00
100 at	11 87½	1187 50
100 at	13 00	1300 00

KERN OIL.

300 at	7 25	2275 00

LION.

2100 at	19	399 00
100 at	20	20 00

MONTE CRISTO.

300 (S60) at	2 35	705 00

MONARCH OF ARIZONA.

4200 at	52	2184 00
300 (B60) at	54	162 00
500 (S30) at	50	250 00
500 (S 60) at	51	255 00
1000 at	53	530 00
1500 at	54	810 00
700 at	57	399 00
500 at	58	290 00
1000 (B60) at	59	590 00
1500 (S60) at	57	855 00
500 (S60) at	56	280 00
1300 at	60	720 00
200 at	59	118 00
2700 at	61	1647 00

OIL CITY PET.

200 at	27	54 00
200 at	26	52 00
800 at	25	200 00

OCCIDENTAL OF W. VA.

700 at	50	350 00

PETROLEUM CENTER.

8000 at	14	1120 00
1000 (S30) at	13	130 00

PEERLESS.

200 (B60) at	8 50	1700 00
100 at	8 25	825 00

REED CRUDE.

100 at	51	51 00
500 (B30) at	50	250 00

STERLING.

350 at	2 05	717 50
350 at	2 02½	708 75

SAN JOAQUIN.

60 at	9 75	585 00
100 at	10 00	1000 00

TWENTY-EIGHT.

100 at	1 30	130 00
200 at	1 32½	265 00
100 at	1 35	135 00

Shares 43,533 Amount $28,329.75

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Capital $1,000,000
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3360 Acres Land in Fresno-San Benito District.

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Member

Producers' Oil Exchange

330 PINE ST., S. F.

Correspondence invited. Information on oil stocks furnished gratis.

Oil Companies Incorporated.

ARIZONA

Northern California Cooperative Oil company Ltd, capitalization $500,000; incorporators, M P Rose, T J Houston, J H Hunter, J Browning, D B Nathan, M T Kite, Edgar Firth of Shasta county, Cal.

Jerome Oil company, capitalization, $500,000; incorporators, E A Powers, F E Jordan, A J Knoblock, R A Smith, J L Summers, H V Crain, J W Coleman, C W Woods, A R Ball, A H Lyons, T H Brown, W S Adams of Jerome Ariz. A branch office is provided for, to be established in Los Angeles.

Nanticoke Oil company, capitalization, $500,000; incorporators, George Fuller and Duncan L De Vane of Yuma Ariz. Its business is to be in Kern county, Cal.

Apollo Oil company, capitalization, $500,000; incorporators, F Kutsch, E Schwarz, John Sheund, A Waters of San Francisco.

Minerva Oil company, capitalization, $500,000; same incorporators.

Merchants Oil company, capitalization, $500,000; incorporators, M P Anderson, William Lung, A Lenhart, F P Hellwig of San Francisco.

Almont Oil & Development company, capitalization, $500,000; incorporators, T A Perrin, S F Stephens, J W Harrenstein of Santa Clara, Cal.

Cartino Land & Oil company, capitalization, $500,000; incorporators, M J Beggs, G K Ford, G B Harden, G F Scott of Colusa, Cal.

Pacific Refining company, capitalization, $350,000; incorporators, W M Spencer, H A Blodgett, C N Beal, I Spellacy, Ed E Bush, F T Whorff, James Goodwin of Kern county, Cal.

California Oil Syndicate, capitalization, $500,000; incorporators, J C Price, R F Fullington, R Maben, H S Bridge, J L Tisdale of San Francisco.

Uvas Oil company; capitalization, $750,000; incorporators, H A Hardinge, L Kearney, E N Whiteside, A L Brower, S Fleming of Los Angeles.

Sunny South Oil company; capitalization $500,000, incorporators, F W Aust, E M Aust, C F Hailstone, M H Yost, F M Graham of Santa Clara county, Cal.

Mephisto Oil company; capitalization, $1,000,000, incorporators, H R Tritle, D F Hall and others of Phoenix, Ariz.

Antioch Oil company; capitalization, $1,500,000; same incorporators.

Newfield Oil & Development company; capitalization, $500 000; incorporators, A Newfield, George Robbin, William Plagemann, E A Iselofar, H L Cook, Joseph R Bien, M Blaskamer of San Francisco.

Pacific Crude Oil company; capitalization, $500,000; incorporators, S E Slade, Edward C French, Burke Corbett of San Francisco.

War Eagle Mining company; capitalization, $1,000,000; incorporators, J R Clark, A L Newart, F P Clark, O C Bryant, A T Stewart of Los Angeles.

California Consolidated Oil company; capitalization, $500,000; incorporators, J R T Mershon, W H Hibbard, J H Crowthers, T F Boyle, F E Harmon of San Francisco.

Arizona Standard Oil company; capitalization $500,000; incorporators, T S Schiell, P N Morton, J C Phillips, C C Green, O P Morton of Phoenix.

Norman Oil & Development company; capitalization, $300,000; incorporators, J F Norman, C B Rode, J A Mathis, E A Mock, H W B Taylor of San Francisco.

Chuckwalla Springs Mining & Milling company; capitalization, $500,000; incorporators, F M Frye, Eugene DeBurn, D T Ulmer, Guy DeBurn, J J. Shupe, D F Plattner of San Diego.

Safety Oil company; capitalization, $300,000; incoporators, Percy Young, S L Potter, W D Hardy and others of Oakland, Cal.

Newhall Consolidated Oil compa y; capitalization, $600,000; incorporators, F G Baker, Charles E Hale, F H Foote of Alameda; A H Castle, A E Castle, F K Lane of San Francisco; Frank Reese of Los Angeles.

Sultan Oil company; capitalization, $500,000; incorporators, E H Aigeltinger, C F Kapp, H C McPike, C H Inman, W C Carpenter of San Francisco.

Commercial Oil & Realty company; capitalization, $1,000,000; incoporators, W D Lawton, H A Gale, San Francisco; N S Farley of Oakland, F B Granger of Alvarado, H P Thrall of Berkeley.

Guaranty Oil company; capitalization, $500,000; incorporators, J C Griffin, M L Griffin, T L Shea, Thomas M Gardiner, Thomas F Ryan, Hugh J McIsaacs, D A Ryan of Phoenix.

Point Reyes Oil & Development company; capitalization, $500,000; incorporators, D S Edwards, C A Hutton, R A Bray, R H Swayne, L A Wright.

Mulberry Oil company; capitalization, $500,000; incorporators, Ed Bowman, S M Snyder, H G Davis, B Steven, M B Ryder, R Keller, C M Depew of Phoenix.

Northern California Oil & Coal company; capitalization, $2,000,000; incorporators, G B Bauer and others of San Francisco.

Petroleum Oil company; capitalization, $400,000; incorporators, W S Webster, Eli Wagner, E F Scotten, Paul P Lewis, Arthur Brand of San Francisco.

Arcola Extension Oil company; capitalization, $400,000; incorporators, L H Bartlett of Boston, Mass.; William Moore, Fred H Hansom, Thomas F Allen, Charles E Rigney of Bakersfield.

X-Ray Oil & Development company; capitalization, $3,000,000; incorporators, W H Mallory, F O Gardner, P Anderson, G T McCabe, K P McCabe.

Staple Oil & Development company; capitalization, $500,000; incorporators, C H Herrington, K K Stahl, E Allyn, G P Burkett, L H Berger of Santa Clara, Cal.

City of Santa Clara Oil & Development company; capitalization, $500,000; incorporators, George Bran, Jacob Eberhardt, R Mengel, A V Taljo, J Roll, J H Errington, S Oberbener of Santa Clara, Cal.

Deguinas Oil & Development company; capitalization, $500,000; incorporators, A S Wahlberg, S Wheeland, R J Kerr, A Fuhrman, N T Messer, Charles Sontag, E H Michaels, J J Hermann, J W Gray of San Francisco.

Los Angeles Stocks.

Notwithstanding the petroleum market is still in an unsatisfactory condition, stock trading continues active on the Los Angeles Exchange, although present prices show the effects of the unsettled condition of the oil market. Monday the 8th business opened brisk and many thousands of shares of stock changed hands during the two sessions that day. Westlake was the favorite trader, opening at 21½ cents and closing at 20¼ cents. It has since made a steady decline to 19 cents. During the week Reed Crude has fallen back from 50½ to 49 cents. The Globe Oil company's stock has been in considerable demand at from 26 to 27 cents. Another stock which appears to have reached bed-rock is the Fullerton Oil, a few shares of which crossed the board last Saturd y at 10 cents. Continental has been moving between the range of 92 and 95 cents. Pacific Slope remains weak, although at present low prices the demand continues strong. $1.16 is the present quotation on Central. A couple of blocks of Columbia were knocked down at 33 and 32½ cents. This is the lowest figure at which this stock was ever sold. Southern Consolidated is picked up in quantities whenever it can be had at 5 cents. United Petroleum holds its own at $130.

The only mining stock handled during the week was Queen of Arizona, several thousand shares of which crossed the board at 32 and 32½ cents. Butte Lode is in demand at $20, with none in sight at less than $25.

Trading on the curb is less active than it was some time since. Hopes of a speedy adjustment of the petroleum market give a slightly more optimistic feeling to stock interests.

Refining Texas Oil.

Tests made in refining Texas crude oil at the Standard oil refinery at Lima, Ohio, show the product of the Beaumont oil field to be of much higher grade than heretofore estimated. That the oil market must in the future reckon with the Beaumont output as a factor is now coming to be recognized. The recent decline in both the Pennsylvania and Lima markets is attributed to the strike in the Beaumont field.

Delinquent Sale Notice.

Loma Prieta Prune Ranch. Principal place of business, San Francisco. Location of ranch, Monterey county, California.

Notice.—There is delinquent upon the following described stock, on account of the assessment levied on the 25th of February, 1901, the several amounts set opposite the names of the respective stockholders,

	Shares	Amt.
George J. Bucknall	5	$50
Thomas P. Woodward	2	20
James F. Muirhead	2	20
O. M. Smith	1	10

And in accordance with law, and an order of the Board of Directors, made on the 25th day of February, 1901, so many shares of each parcel of such stock as may be necessary will be sold at public auction at the office of Madison & Burke, 636 Market St., San Francisco, California, on Monday, the 22nd day of April, 1901, at the hour of 3 o'clock p. m. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Directors, FRANK MORTON, Secretary.

Oil Lands for Sale or Lease

IN THE DISTRICT OF COLUSA COUNTY . . .

Showing the best oil yet on the market, at reasonable prices and terms, in tracts from 20 to 3000 acres.

John C. Mogk

Colusa, Cal.

Pacific Coast Manufacturing Co.

Successors to

Boothe Manufacturing and Supply Company

126-128 South Los Angeles street

LOS ANGELES, CAL.

OIL WELL MACHINERY Drills, Tools and Supplies of Every Description

Everything necessary to drill and operate oil or water wells. Complete plants furnished and installed.

Steam and Gasoline Engines

Boilers, Pumps and Air Compressors.

LEWIS, RANK & YOUNG

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TELEPHONE, BUSH 209

If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address :

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

The Calistoga Oil and Development Company

Holding by purchase, leases and options valuable properties in Yolo, Napa, Fresno, San Benito, Monterey and Kern Counties, is offering a limited amount of its treasury stock at 50 cents per share.

Before placing this stock on the market the directors have secured the properties and furnished funds to purchase two rigs. Actual drilling will begin this month. Are you interested? Then call or write for prospectus.

OFFICERS AND DIRECTORS

L. D. HITCHCOCK, President. ROBERT B. TODD, Vice-President.
B. F. EDWARDS. Secretary. J. M. CASSELMAN, Treasurer.
DR. E. J. BOYES. DR. H.. G. THOMAS.

SAN FRANCISCO NATIONAL BANK, Depository.

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SAN FRANCISCO, CAL.

Commercial Oil and Realty Co.

Capital $1,000,000. Par value $1.00. Shares 1,000.000. Incorporated under the laws of Arizona. All stock fully paid and non-assessable. 24,000 acres patented land.

Water and Oil Pipe Lines, Storage Tank, Refineries

Same plan as Standard Oil Co., which has paid its stockholders millions of dollars. Shares 25 cents each. We want you to represent us. Write us.

212-213 Fifth Floor Parrott Building, San Fraucisco, Cal.

Three Good Buys

WESTERN OIL CO. CLARE OIL CO.

Capital $500,000 Capital $500,000

OPERATING IN SUNSET DISTRICT

LIMITED NUMBER OF SHARES OFFERED FOR 25 CENTS PER SHAR

MANCHESTER AND LIVERPOOL OIL CO.

Capital $500,000

OPERATING IN SAN LUIS OBISPO CO.

A FEW THOUSAND SHARES TO BE SOLD AT 25 CENTS PER SHARE.

RELIABLE AGENTS WANTED IN EVERY TOWN.

FOR INFORMATION INQUIRE OF

W. A. FOURNESS

OIL STOCKS AND OIL LANDS

228–229 PARROTT BLDG., SAN FRANCISCO, CAL.

PHONE HOWARD 2491.

Dey Crude Oil Co.

IN LOS ANGELES OIL FIELDS.

We are now drilling our well No. 1 on our property in the Western Extension District of the Los Angeles Oil Fields, with dozens of wells in close proximity.

IN THE FAMOUS SUNSET DISTRICT.

We have acquired 40 acres in this district already noted for its gushers and big producers, where we intend to commence drilling in June.

BUY NOW NOW AT 25c.

Our non-assessable treasury stock is offered for sale at 25c per share only until April 20th, when price will be advanced to 50c per share. Orders by mail given prompt attention. Dividend paying stock for sale.

Rooms 6 and 7, 8th floor Mills Bldg., San Francisco.

Oil Land in Santa Ana.

In 1898 certain representative gentlemen of Orange county requested the California State Mining Bureau to examine the geological formations which form the coast-line between Newport and San Diego County and extend inland toward the Santa Ana mountains, with a view of determining whether or not that portion of Orange County has value as oil-territory. Since a cursory examination had shown that the geological formations in that area resemble those of the Puente Hills, and some prospects of oil were reported to have been discovered therein, the writer was detailed to make the examination which had been requested.

The territory examined comprises an area of about 300 square miles. It is traversed by two principal ridges of hills, which run in a northeasterly direction. One of these ridges extends along the coast from a point near the southeast corner of Orange county, called Green Ridge to San Joaquin Peak in the San Joaquin Hills, which peak rises to an elevation of 1185 feet. The other ridge extends in a northwest direction from Station 35, about 5 miles from the coast-line, to and beyond Station 70. The ridge nearest the coast is cut through by the San Juan, Aliso, and the Santa Ana Mountains, and the Laguna Creek has its source in Laguna Lake on the San Joaquin ranch, and in sundry springs between Laguna Lake and the ocean. Thus, the territory referred to is in part hilly or mountainous, and in part mesa land. Its southern end is nearly all mountainous pasture; but toward the northwest there is a wide mesa devoted to agriculture. There is, also, some good agricultural and orchard land along the valleys of the San Juan and Aliso creeks.

San Diego.

Six rigs have gone into the Corrizo Creek territory during the past twenty days. Active work is the order of the day. Oil men predict big results and are anxiously awaiting developments. Capt. Barrett of the Cactus Oil company received a wire on Thursday morniug that his rig had arrived and was taken out to the field. He leaves for the Desert with his drillers Sunday.

Oil Prices.

In speaking of the future of oil, one of the prominent producers in the Kern River section says to a correspondent of a Southern paper:

"There is but little doubt that within a comparatively short time the price of oil will go up to a dollar a barrel. This is not a high price for the production to demand, for the reason that the entire consuming public will soon be burning it. They will be forced to this, owing to the cheapness of oil as compared to coal.

"If any consumer of oil in any line of industry begins the use of oil, his competitors, in order to meet him on an equal footing, must also abandon coal and use oil. This advancement is progressing rapidly, and the time is near at hand when it will have ended in oil's general adoption by the consumer of fuel. This will result in the entire product being taken up. Naturally, when this comes to pass, the price of oil will rise."

Cost of Horse-Power.

Some experiments recently carried out in Berlin for the purpose of ascertaining the suitability of acetylene gas as a motive power. The figures given below represent cost in centimes per horse-power hour.

	HORSE-POWER.		
	10	20	30
Acetylene Gas.....	29.25	28.10	27.70
Illuminating Gas....	13.07	12.24	11.89
Cooking Gas.....	14.50	10.99	9.75
Alcohol.....	20.20	19.39	19.04
Petroleum	12.80	11.90	11.60
Benzine..	18.79	17.95	17.60
Electricity.....	18 00	17.75	17.32

As will be seen from this table the acetylene compares very unfavorably with the other motric powers, and it would appear that even if the difficulties in connection with the construction of a suitable motor for utilizing acetylene were overcome, the cost of running the same will debar a general application of the system.

March Oil Shipments.

There has been inquiry as to the quantity of oil that is being shipped from the Kern River district, wherefore the Bakersfield Californian has obtained the figures for the month of March, They show that over the Southern Pacific and the Santa Fe the shipments for the thirty-one days aggregate 1290 carloads, or 193,500 barrels, a daily export of 6250 barrels. It has heretofore been estimated that with proper transportation facilities the wells completed in the district can deliver 15,000 barrels daily, but a large operator made figures that place the output at at least double that. If the railroads fulfill their promises it will not be long before there will be ample shipping facilities, and then the district's production can be measured at its full capacity. As the conditions are, it appears that the railroads are able to handle only about one-fifth of the yield were all the producing wells pumping.

According to statistics published by the Los Angeles Herald, there are 79 per cent as many wells drilling in California as in Pennsylvania, West Virginia, Ohio and Indiana combined. The prolific sands of several California fields have also kept the average production of new wells very much higher than that of eastern fields. In the latter there were 562 productive wells brought in in March, of an average production of 18½ barrels a day, while in California there were 76 new wells, of an average production of 41 barrels a day.

Petroleum in the Philippines

It may not be generally known, but the petroleum industry of the Philippine Islands has been greatly enhanced by the recent orders of the Americans, and the oil fields are rapidly developing. The Spaniards used to procure illuminating oils from some of the oil wells of Luzon, Panay and Negros, and they worked the same for many years; but the machinery employed in getting the oil deposits, the devices used in refining and the modes of distribution were very defective, and the average Filippinos and other native families usually purchased illuminating oils of foreign import. But the Filippino capitalists have been working at the oil well for the past twenty-five years, and with the aid of Japan have developed some of the wells that produce the best grades of oil. The Chinese have also taken a hand in the oil industry of the islands, and one will find oil refineries in various parts of the country in which wells have been located. Recently some of the American discharged soldiers have been working out the idea of furnishing illuminating oil for the islands and of exporting some of the refined oils. These persons have done well, so far as extension of the work is concerned, but are hindered through lack of capital. According to the last account American capitalists are undertaking the work of developing the richest oil deposits of the country, and have already arranged for the bringing over of the necessary plant. At the present time there are several well established and paying plants in the islands, one of which is located at Isadro, near Manila, and this plant is obliged to run day and night and tax its machinery to full capacity in order to begin to meet orders. There are a number of minor oil refineries distributed throughout the islands, all of which are doing a very good business and making money.

There are some rich oil wells on the island of Luzon, and capitalists are usually prospecting among these before they go to other islands; but on the island of Panay, there are some rich deposits of oil, of a dark greenish color, and located from 200 to 500 feet below the surface. On the islands of Negros, Cebu and Mindanao there are also some oil strata which are being worked to good advantage by native and foreign capitalists. On the island of Gimeras there are also oil wells. In fact oil deposits appear to be found on all of the southern group of the archipelago. The best of the oil appears to be in a stratum of part rock, gravel and sand, nearly twenty feet in thickness, lying about 400 feet below the surface. This rock in some cases has been found too hard to bore through with the native devices, but American drilling tools will cut it readily. In other places the so-called rock is only sandstone and this sandstone can be bored through very readily. The prospectors usually travel about until they locate some good indication of oil bearing rock and then begin operations. The lands are ordinarily unclaimed and belong to the government. In case the land is owned by someone who holds one of the old Spanish land grants, the same can be bought usually at a very low figure.

OIL MEN'S CONFERENCE.

Results of Meeting at the Palace Hotel.

As a result of the meeting of oil men at the Palace Hotel on Friday a committee representing 90 per cent of the Kern River output, consisting of B. F. Brooks, representing the Senator, Aztec, Chicago Crude, Central Point, Consolidated and Toltec companies; Leon Guggenheime, Imperial Oil company; Messrs. Jenks and Musaus, the Four Oil company; J. H. Blood, of the Sterling; Noxon, of the Globe and Euclid companies; Messrs. Jacobs and Mason, of the Alma, Black Jack and Wolverine; J. J. Scrivener of the San Joaquin Valley Oil company; J. L. Mitchell, of the Claremont and Linda Vista companies; Isaac Strassberger, of the Kern River; John Early, of the Revenue Oil company, and Henry Ach of the Monte Cristo company were appointed to consider a plan of organization. A meeting of the committee was held in the office of the Monte Cristo and a subcommittee was appointed to prepare details of the plan of organization, to be submitted to the general committee, and also contract agreements to be signed by all producing companies that become members of the organization. The general committee will meet within a week.

The object of the new organization is to maintain the price of fuel oil. It is expected that an executive committee will be appointed to fix the price of oil and apportion the sales among the members.

NOTICE.

TO THE STOCKHOLDERS OF THE TEMPLORE OIL COMPANY, A CORPORATION.

There will be a special meeting of the stockholders of the Templore Oil Company, held at the office of said company, at room 115 Phelan Building, San Francisco, at 8 o'clock A. M. on the 15th day of April, 1901.

This meeting is called for the purpose of increasing the capital stock of the said company from $200,000 to $500,000. By order of the Board of Directors.

J. S. GRAHAM, President.
F. M. PERSINGER, Secretary.

25 Cents Per Share

One Well started, with Two Others contracted for

25 Cents Per Share

THE KERN VALLEY OIL CO.

Incorporated with a strong directorate under the laws of South Dakota. Capital stock 500,000 shares. Par value $1 per share. 200,000 shares in the treasury. Stock non-assessable.

Has 6,600 Acres Approved Oil Land

in best districts: Kern River, Sunset, San Diego, Poso, Glenn County. Will have a drill going on the lands in thirty days. Two other wells contracted for. We own 2670 acres in the celebrated Cottonwood district, Kern Co., Cal. Oil lands for sale or lease on most reasonable terms.

Write at once for full report and maps, and all information to

THE KERN VALLEY OIL COMPANY

OF CALIFORNIA

Room 13, 5th Floor, Mills Building,

San Francisco, Cal.

STOCK Non-Assessable

A Few Reliable Agents Wanted on the Coast and in the East

STOCK Non-Assessable

A Complete Vindication.

The Manager of "Bonds and Mortgages," an Eastern financial publication, writes as follows to the Pacific Coast Underwriting company of this city in regard to a statement which appeared recently in that publication:

CHICAGO, April 9, 1901.

E. D. Cooley, Esq., Pres. Pacific Coast Underwriting Co., San Francisco, Cal.,

Dear Sir—Replying to your favor of the 5th inst. we desire to state that there has been no intention to treat your company unfairly or unjustly, and if any unintentional injustice was done you in the article which appeared in the March issue, no one regrets it more than the writer.

Mr. Ruxton called on us and has explained to us your system and methods, which we shall take pleasure to present to our readers in complimentary terms in our April issue, because we believe you entitled to this explanation.

Mr. L. C. Dillman, your representative in Washington, has known the writer for many years and we are sure regards him incapable of doing any one an intentional wrong.

Regretting that owing to the rush of work incident upon getting out our voluminous March issue, an unfortunate mistake has been made which we will hasten to correct in our next issue, we remain, Yours very truly,

BONDS AND MORTGAGES,
F. H. Ertel, Mgr.

Commercial Oil & Realty Co

The Kern River oil fields of California have become famous the world over and it is now conceded that there is a larger territory not open to development than has heretofore been supposed. Wells are being drilled north almost to the Tulare county line with splendid prospects.

The Commercial Oil and Realty company of this city have secured recently 2,400 acres of patented land situated in Townships 24 and 25 S., Range 28 E., in Kern and Tulare counties and are making very extensive preparations to operate upon their lands.

The shales, conglomerates, oil sands, and cretaceous rocks found upon these grounds have been carefully compared with similar rocks of Kern River and are identical.

This company will also build their own water-pipe lines, oil-pipe lines, storage tanks, and as soon as practical, refineries. It will require a pipe line from the lands of this company to the railroad, a distance of six miles, with a down grade of more than 300 feet.

California and Utah Oil Co.

Two rigs are being erected for this company by the Marsh Rig Building company, on 10, 31-21, and drilling will be commenced as soon as they are finished.

Sub-leases have been made of 40 acres in 10, 30-21, 40 acres in 27, 30-21, 40 acres 20, 26-28 to the Utah Oil and Construction company, a company of Salt Lake capitalists, who will commence drilling at once. Other sub-leases are being made, but as yet are not on file.

SOUTH DAKOTA CHARTERS, $30
STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

Buy Pacific Petroleum

This is good advice because Pacific Petroleum Company, Limited, is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the purpose of the

PRODUCTION OF OIL

The lands of this company are located in the Devil's Den Oil District of Kern county, where a much higher grade of petroleum has been developed than is found in the famous Kern River fields, and are pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, WE APE ACTUALLY AT WORK.

We have no promoters' stock, and are selling only treasury stock, EVERY DOLLAR of which goes into the development fund, which is held intact to pay for drilling operations ONLY.

A Block of 1000 Shares for $50 Cash is our "ground-floor" offer. This is an opportunity for you to share in the profits of a well-located and entirely legitimate oil enterprise. This is a sure and safe investment. Buy now. Send all applications to

PACIFIC PETROLEUM CO., LIMITED,
PAUL R. LEWIS, Secretary.
210 Hearst (Examiner) Building, San Francisco, Cal.
Do not delay to-day and regret to-morrow.

Don't

Fail to call and get full information regarding the

SPRING OIL COMPANY

Stock being sold by us at
25c PER SHARE
Before investing in oil.

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Phone, Red 506 Rooms 29-30 Chronicle Building

The Esmeralda Oil and Development Company : :

CAPITAL STOCK 100,000 SHARES
PRICE PER SHARE - - - $1.00

We own 404 acres of the Choicest Oil Lands in the

Vallecitos District, San Benito County

We are now boring and rapid progress is being made. As our test well struck oil at 32 feet it assures our future.

FREE FROM DEBT AMPLE FUNDS

No Salaries paid to officers. Treasury funds to be used for development purposes only. Limited number of shares to be sold. Stockholders are fully guaranteed against loss.

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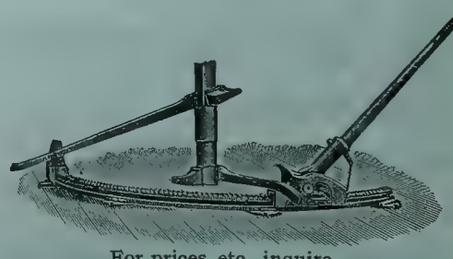
W. J. Whitney, Vice-President. Louis Hammersmith, Secretary.

DIRECTORS:
H. S. Field, W. J. Whitney, R. R. Haskell,
Charles T. Behan, A. Kingsbury.
Crocker-Woolworth National Bank, Depository

A. KINGSBURY, General Agent.

Telephone, Folsom 1881. 565 Parrott Building, San Francisco, Cal.



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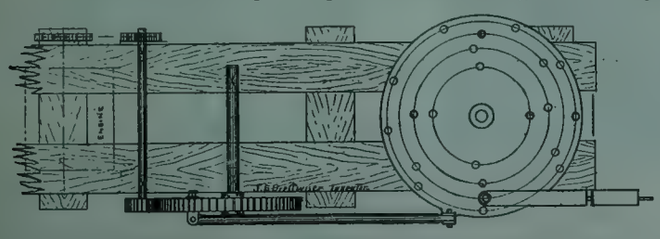
A PUMPING POWER

That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



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The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem boxes

Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED
It is only necessary to have one of these wrenches for all sized bits
You simply change the top plates, which have different size squares to suit different size bits.

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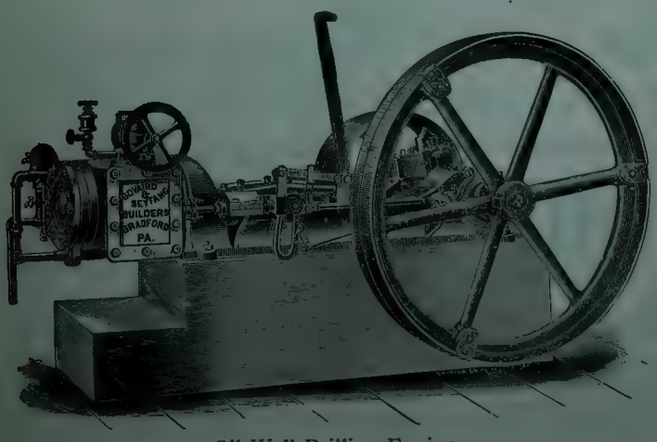
A High class Dropped Forged Steel Tool.

Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

ATLAS PIPE WRENCH CO. 51 Flood Building, San Francisco.
New York Office, 121 Liberty Street — Works, New Haven, Conn.



Oil Well Drilling Engine

Parke & Lacy Co.

SAN FRANCISCO, CAL. — BAKERSFIELD, CAL.

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OIL WELL DRILLING MACHINERY

TOOLS AND SUPPLIES
ENGINES, BOILERS, PUMPS, ETC.
BOSTON CASING

PROMPT DELIVERY — CORRESPONDENCE SOLICITED

OIL IN TEXAS.

Further Tests of its Application for Various Uses.

Experimentation with the Beaumont oil has been in progress in the Standard Oil company's refineries in the East, and the statement is now made that better results had been obtained in refining the oil than had been anticipated, while it must be taken as settled that the oil of the Texas field will figure extensively in the future of the illuminating oil industry.

Should that statement be found correct, it is evident that the price of oil in the Eastern fields will be greatly, and possibly very seriously, affected. It is hardly among the possibilities now that Texas oil will fail to rise to vast production within a comparatively short time, and when wells which produce thousands of barrels a day each are brought into competition with fields where the average yield of new wells is but 18½ barrels, as is the case in the Eastern oil centers, the latter will suffer greatly.

The Southern Pacific railroad has brought a quantity of the Texas oil to California to conduct experiments with it in the burning of the oil as a fuel. Of course it was brought here because it is only here that there are engines equipped for liquid fuel. There seems to be no reason to doubt that the oil will be found adapted to use as a fuel, and the question is naturally raised, to what extent, if at all, will it come into competition with California fuel oil?

A Famoso Bulletin.

Well No. 1 is on the pump, and furnishing more oil than we can handle until transportation and sales questions are settled. It is being pumped just enough to keep it cleared. Its sumps and tanks are full of oil.

Well No. 2 is finished. It is a first-class well and a gusher. For capacity it will equal any well in the field. Without being perforated it spouted oil over the casing, deluging the derrick. Perforation will be made at once.

Well No. 3 is begun. The drill is now in the first oil sands. The character of our land assures the value of this well as it did the former ones.

Stock has advanced. The treasury stock is now offered at 75 cents per share. We are offering a limited amount at that price to continue the rapid pace of development which we have maintained unslacked since the drill first dropped in well No. 1 on the 5th day of February 1901.

Nearer to dividends. It is the steady purpose of the company to pay dividends to its stockholders as soon as the volume of production, the market facilities, and the cost of development will permit. We expect to reach that time this summer.

Incandescent Mantles for Lighthouses.

Incandescent mantles are being introduced to a considerable extent into French lighthouses, being either employed in connection with petroleum or oil gas, the former being the more convenient for that purpose. Acetylene also is being tried with success, both alone and with mantles. The mantles used in French lighthouses are from 1.2 to 1.8 inches in diameter, and give a light of from 350 to 600 candles. The oil gas is supplied at one-fifth atmospheric pressure.

Oil Companies Consolidated

Articles of consolidation were filed in the county clerk's office of Los Angeles by the Rex Crude Oil company of San Francisco, the Yukon Crude Oil company of San Francisco, and the American Fuel Oil company of Los Angeles. These companies are to be known hereafter under the single title of the Union Consolidated Crude Oil company. The capital stock is placed at $500,000, of which $400,000 has been subscribed. The principal place of business is to be San Francisco, and the company is to deal in oil, asphaltum, naphtha and kindred minerals. The board of directors consists of Henry J. Crocker, C. S. Benedict, F. W. Sumner, Wendell Easton, J. L. Rathbone, H. A. Jones, G. W. Henderson, all of San Francisco; George Easton of Los Angeles and W. E. Runyon of Red Bluff, Cal.

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Can Take Charge of an Outfit.
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Nearly 3000 acres oil land and a promising gold mine already fairly developed. Wanted, Agents in every town.

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Orders to Buy or Sell Stocks
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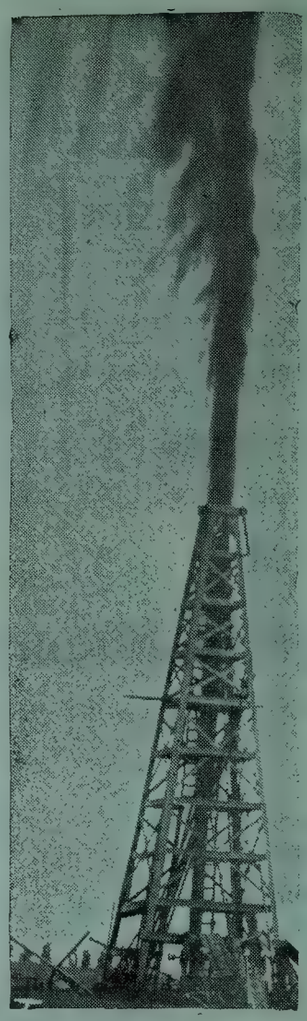
Office—Belden Block, 137 Montgomery Street, Room 13, second floor.

Only 24 Shares



Parent Company

Only 24 Shares to Be Issued

List will close end of the month.

Those desiring to be in oil speculation at its first incipiency, call on

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Members Producers' Oil Exchange
Room 501 Hearst Building,
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PHONE, BUSH 240.

A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

LOW CAPITALIZATION

Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

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ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital..... $100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOLDEN REWARD OIL & DEV. CO
Capital.....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14, M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice president, J B Medina, secretary. C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F K Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street. San Francisco, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO.
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 2, and the S½ of the S½ of the SE¼ Sec. 22 T. 9 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,020 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GRAND PACIFIC OIL CO.
Capital..... $1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal.

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 3 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 33 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
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LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5261.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MULBERRY OIL COMPANY.
Incorporated March 5, 1901, under the laws of the Territory of Arizona. Stock non-assessable. Capitalization $500,000 divided into 100,000 shares par value $5 each. This company owns 260 acres on the San Benito River in the San Benito district. Oil found in this district is of the best paraffine base. Officers—Edward Bowman, President; Richard Keller, 1st Vice-president; B. Struven, 2nd Vice-president; S. M. Snyder, Secretary and Treasurer; H. G. Davis, Attorney. Directors—Edward Bowman, Richard Keller, B. Struven, S. M. Snyder, H. G. Davis, C. M. Depew, M. B. Ryer. Offices—927 Market St., rooms 218, 219.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OHIO OIL COMPANY OF SAN FRANCISCO
Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE.
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield, Cal.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson-Maurice V. Samuels, Attorney; Union Trust Company, Depository. Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco, Cal

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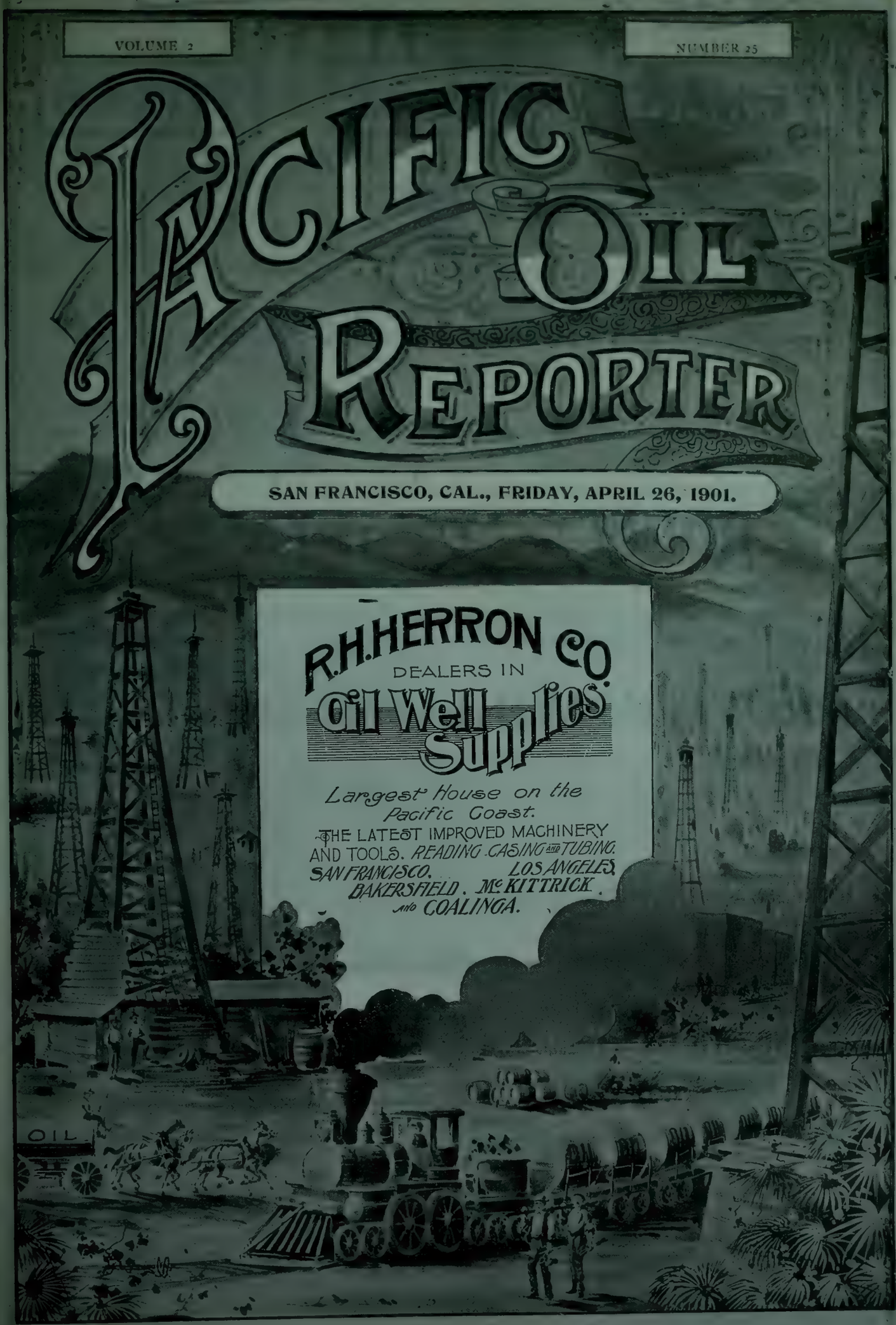
VOLUME 2 NUMBER 25

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, APRIL 26, 1901.



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PACIFIC OIL REPORTER

VOL. 2. NO. 25. SAN FRANCISCO, CAL., FRIDAY, APRIL 26, 1901. PRICE, TEN CENTS

AN UNDEVELOPED FIELD.

The Fresno-San Benito or Panoche District Gives New Promise.

Indications Point to the Opening of an Extension of Coalinga Within the Year—Resume of Drilling and Prospect Work.

The recent strike of the Hamiltonian in the Fresno-San Benito field has attracted attention to this district, where many new companies have recently made locations and are preparing to begin work on a large scale.

The Fresno-San Benito, or Panoche field, as it is often termed, is unfavorably located as regards accessibility, being about thirty-five miles from Tres Pinos, the terminus of the branch of the Southern Pacific Railroad, which extends south from San Jose to Hollister in San Benito county, and is about the same distance from Mendota, a section on the San Joaquin division of the Southern Pacific in Fresno county, so that oil men who have interests in this section make their choice according to the locations of their respective properties. Hollister is also a point from which travelers set out. From points west of the field the excellent mountain road traverses a rocky canyon, where serpentine and metamorphic formations are abundant. The canyon is well wooded and watered, and forms a marked contrast to the barren uniformity of the Great Panoche Valley, where the road leads after a short and abrupt descent from the Summit, as it is called. The Big Panoche Valley is about five miles long, and "Berg's", where the post office is located, is well toward the eastern end. Berg's is the commercial and news center of the valley and the surrounding oil territory, as well as the point of telephone connection with the outer world. The travel to the quicksilver mines of New Idria passes this way, and a regular stage carries the mail and passenger traffic to Tres Pinos.

Eastward from Berg's may be seen the white sandstone outcroppings in the lower foothills of the Mt. Diablo range, the ledges showing plainly the southerly dip of the formation. Among the canyons of these hills are located the rigs of the World and Silver Creek companies, now drilling.

The property of most interest in this neighborhood is the wells of the Union Oil company on Vallecitos Canyon, section 24, 16-10. The road to this property, which lies in a westerly direction a few miles from Berg's, runs through a canyon whose walls are perpendicular cliffs of gray sandstone, the strata lying almost horizontal in places. The wells are located on the side of a narrow, steep canyon which branches off to the south in a line parallel to the general trend of the canyon. The rig of well No. 1 was burned down, and the well was abandoned, although some oil was struck, and the hole is now a water well. Oil was struck in Nos. 2, 3, and 5 at depths varying from 700 to 1200 feet, and the wells put on the pump. The amount of production is variously stated, W. L. Watts placing it at 40 barrels a day, and this report is corroborated by a former driller on the property, but other reports state that the production is not heavy. There is no doubt, however, that the oil is of excellent quality, dark green in color, and about 33 gravity. An analysis of the oil by Paul W. Prutzman, chemist for the Pacific Refining and Roofing company, is as follows:

Gravity	8592	33° B
Viscosity	3.02	Very good
Asphalt by distillation		4.12 per cent
Asphalt by precipitation	4.0	" "
Benzine and lighter	about 20	" "
Illuminants	" 25	" "
Lubricants and paraffine	" 45	" "
Asphalt	" 5	" "
Loss	" 5	" "

Paraffine crystallized from about 50 per cent distillate.

(Signed) PAUL W. PRUTZMAN,
Chemist.

No work is being done on the Union property at the present time.

Apart from the fact that oil has been found on the Union property in drilled wells, operators have found oil in prospect holes and springs in many places in this region, and gas blowouts are common. Oil has been found in many places in surface excavations from 8 to 40 feet in depth, the same as in the Coalinga field in its early stages of development. As Coalinga is only 25 miles distant from Panoche, and both lie in the great belt of unaltered Tertiary shales, sandstones, and conglomerates which runs along the western side of the San Joaquin Valley and in which all the oil up to the present time has been found, it seems to be reasonable that the Panoche field will develop into a Coalinga extension which will equal if not surpass that famous oil territory.

Among these prospect wells which are of value as proving the character of the land from a legal point of view and have the effect of establishing mineral locations, are the Dewey Oil company, 8, 17-11, which found oil at 16 feet; Esmeralda, 13, 15-10, which found oil at 32 feet, after passing through a stratum of shale; the Ingomar, 8, 15-11, seventeen feet deep; the McCoy, 9, 17-11, several prospect holes from 6 to 16 feet, in which oil was found; the Olympic, 10, 15-11, down 46 feet; San Carlos, 8, 17-11, with a depth of 105 feet, drilled by hand several years ago; the Santa Maria, 21, 17-11, which found some oil at 40 feet in a sandstone formation, and several prospect wells of the San Benito Oil company in 24 and 36, 16-10; 1, 17-10 and 7, 17-11.

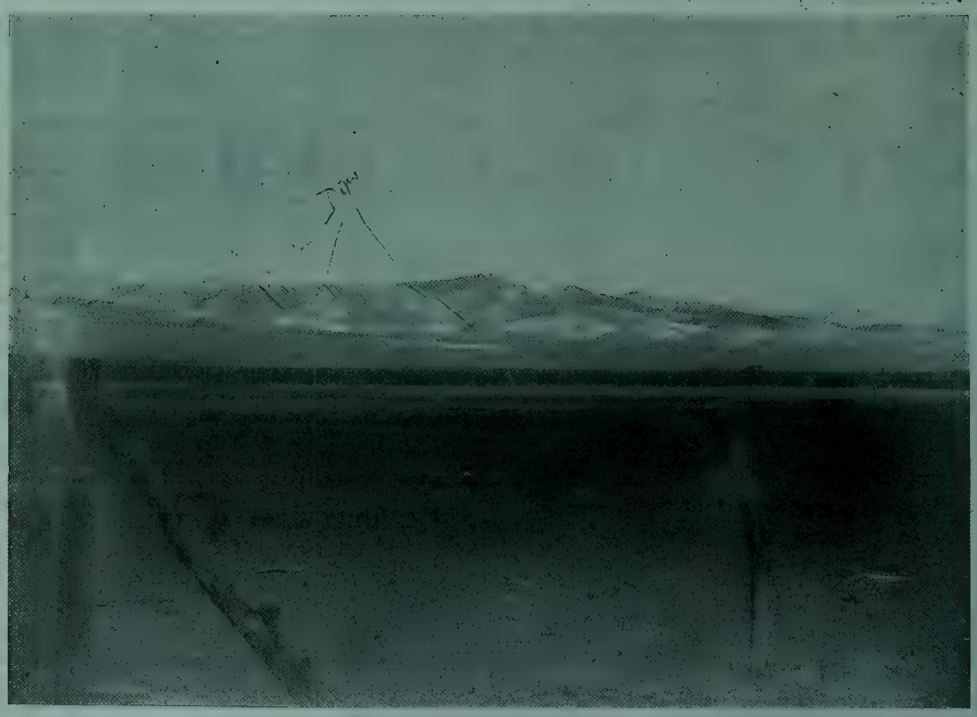
Drilling is being done in this field by several companies. One of these is the World on section 31, 14-10, Little Panoche field, to the northeast of the Panoche Valley. This is now down 700 feet. The Panochito in 20, 14-11, same field, is reported to have begun again after being suspended for several weeks. The well is down 700 feet. In the Big Panoche the Silver Creek has a well about 720 feet deep on 33, 15-12, south of Berg's. The Fresno-Alpha in 16-12, is now drilling, the work being done jointly with the Ohio, which holds the adjoining section on the north. This company struck oil at 520 feet with a quantity of salt water. Drilling is now going on and at a depth of 700 feet the drill is in blue shale with indications of oil. The Hamiltonian, a Hollister company, located on the NE ¼ of 24, 17-11, struck oil-bearing sandstone 8 feet from the surface and found over 200 feet of the same formation. The drill is now down 300 feet in shale showing good evidences of the presence of oil. This well was put on the pump and showed itself good for ten barrels, but this was not satisfactory and drilling was resumed. Adjoining the Hamiltonian on the east, on 19, 17-12, the Esmeralda is now drilling and has reached a depth of 50 or 60 feet with good indications, and the La Primera has its rig on the ground and is ready to begin

Scene in Fresno-San Benito District. The Big Panoche Valley from Section 15, 15-10, M. D. M. The Knoll in the Fore ground is the Location of the Esmeralda's Prospect Well, where Oil was Found at 32 Feet.

operations on the same section as the Hamiltonian.

On section 20, 17-11, the Fresno-San Benito is down 108 feet and the Ashurst on section 31, 16-11, has depth of 400 feet, with plenty of gas and some seepages of oil.

Away down in the Southern end of San Benito county is the Bitterwater district, where several companies are actively engaged in drilling, though this is not properly a part of the Fresno-San Benito field. On the Alvarez ranch, in section 5, 19-10 the Nonpareil recently found considerable oil in its No. 2, now down 600 feet. About 500 feet from the Nonpareil the Dirigo is drilling with a Keystone rig, and the Star Anticline in the same neighborhood has sunk several test wells, and is now awaiting the results of the other companies' efforts.



View of the Foothills of the Mt. Diablo Range, from the Big Panoche Valley, Looking East from Bergs. The Dip of the White Sandstone Strata is Distinctly Marked. Among the Canyons of these Hills the Silver Creek, World, Fresno-Alpha and Other Companies are Drilling.

While the Panoche field is strictly undeveloped territory, yet the results of exploration work so far as carried out seem to justify the expectations now held of this field, and it is likely that the coming year will see a Coalinga extension coming to the front as a field producing a high grade of oil in paying quantities.

Some of the companies now at work or soon to operate in 16-12 are the Palace, 3260 acres on the S½ of the township; the Casanova on 16-11, and 16-12; the Volunteer Firemen, which has 640 acres on sections 31 and 32; the Eagle on the NE¼ of 29; Humming Bird, NW¼ sec. 29; Annex, 160 acres in secs. 22 and 27; Star Line, NE¼ 28; Anchor Line, NW¼ 28; the last three being lessees of the Palace.

The Cal. Crude, now drilling in Kern district, has 640 acres in sec. 10, 11 and 26, 16-12; Ohio, N½ 23, 16-12; Home Security, on sec. 36. 15-12, and sec. 36, 16-12; London, 5000 acres in 16-12 and 17-12; Western Union, sec. 6, 16-12; Silver Creek Pet. Co., 2000 acres in S½ of 15-12 and N½ of 16-12; Mendota Oil Co., 640 acres in 15-12 and 16-12; Artesia Oil Co., 320 acres in secs. 11 and 12, 16-12; Little Aberdeen Oil Co., S½ of 2, 16-12; Union Pacific O. & D. Co., several thousand acres in 16-12 and 16-13; Gilt Edge, 160 acres in 13, 16-13; the Franklin, 120 acres in 16-12; Cygnet, drilling in S. ½ of 16-13; holdings, several sections; Oil Tank Co., 3 sections in 16-13 and and 17-14; on 17-12 Starlight, Grocers, Emerald, Mucho Dinero, Las Lucecitas, Fresno-Alpha, and White Dome.

In township 17-11 are the Riley Co., the San Carlos, Schley, the Dewey, Vallecitos, McCoy, San Jose Petroleum, the Union holdings, the Cerro Bonito, Santa Maria, Esmeralda, the Ashurst, Hamiltonian, the San Benito, La Primera.

In 16-10 are the American Mutual, Vallecitos, the Partello, the Randall, the Francis and the Peralta.

In 16-11 are the Union Oil Co., the Fresno-San Benito, the Casanova, the Bay Trade, Callena, Clear Light, and the Ashurst.

In 15-10 are the National, Dos Palos, Cerro Bonito, Santa Maria, Hamiltonian, Esmeralda.

In 14-10 are the World, Panochito, Vulcan, Dos Palos and Stanford.

In 14-11 are the Mercy, Anglo-California, Sun O. & Pet. Co., Elkhorn, Golden State Land & Dev. Co., Beacon Light, Champion and Uncle Sam.

In 15-11 are the Lehigh, Dos Palos, San Jose, Century, Ingomar, Olympic, Wonder, Olally, Indian Valley.

In 15-12 are the Hawkeye, Star, Elkhorn, Olally, Avoca, Owl, La Fiesta, Idria, Templore, Fresno & Los Angeles, Silver Creek Petroleum, Mendota and Home Security.

DOS PALOS OIL & DEV. CO.

This company owns 5000 acres of land in the heart of the Fresno-San Benito oil district. The lands are situated in townships 14 and 15 south, ranges 10 and 11 east, M. D. M. The company has commenced drilling well No. 1 on the east end of Sec. 8, T. 15 S., R. 11 E., and at a depth of 250 feet have gone through three heavy strata of oil and expect to tap the main body of oil at a depth of 800 or 900 feet.

The officers and board of directors elected on April 9th, 1901, to serve for ensuing year are: John Ralph Wilson, president; Adolph Huler, vice-president; M. Moeller, treasurer; J. B. Hoss, secretary; E. J. Sparling, superintendent; Dr. C. L. De Vinny, M. Christian.

The office of the company is at room 4, 2d floor Mills building, where prospectuses and further information may be obtained.

WORLD PETROLEUM CO.

One of the most energetic companies now operating in the Fresno-San Benito district is the World Petroleum Co., a San Jose corporation, with offices at 79 West Santa Clara street.

The officers and directors are: Thos. J. Riley, president; Wellington H. French, vice-president; Wm. E. Fischer, secretary; Frank A. Wood, treasurer; E. B. Stanwood, George E. Letcher, J. F. Burns, M. D., W. B. Simmons, J. R. Wilson.

The World Petroleum company was organized and incorporated in San Jose December 1st, 1899. It controls over 2300 acres in the heart of the oil belt, in Fresno county, between the Big Panoche and Little Panoche. The land lies in township 14 south, ranges 10 and 11 east—M. D. B. & M. The ground was selected and secured for the company by Expert F. E. Barieau, one of the original locators of section 20, where now is situated the famous Oil City.

The beauty, natural formation and regularity of the shale on the ground are unexcelled—not excepting section 20 and its adjacent territory. The ground abounds in oil-sand, salt, lime, and from a scientific standpoint, everything favorable to the production of oil. Small oil seeps ooze from the foothills through the entire belt.

A Standard rig is at work and a depth of nearly 800 feet has been obtained; the first oil sand was encountered at 625 feet, strongly impregnated with oil. The indications are increasingly favorable.

THE BEACON LIGHT.

This is another strong company, owning 300 acres of land in the Panoche district, Fresno county, Cal. All of the property is in township 14 south, range 11 east, in sections 19 and 31. In the adjoining section, viz: 30, the World Petroleum company is boring a well which is now down nearly 800 feet. The well is less than one-half mile from the land of the Beacon Light company. The land of the Beacon Light company is on the same vein, in a northwesterly direction, on the same slope of the Coast Range of mountains as the celebrated districts of Coalinga and Oil City, and in the same county.

The officers and directors are: L. H. Brown, president; H. W. Titus, vice-president; T. J. Drury, secretary; John Duncan treasurer; D. S. Dimond, Frank G. Drury, attorney; W. B. Simmons.

The office is at 329-331 Phelan building, San Francisco.

THE ESMERALDA.

This company now has 366 acres of the richest oil land in the Panoche and Vallecitos districts. The views of the Panoche valley shown in this article are from photographs furnished by the Esmeralda Oil company.

The property of the company is as follows:

One hundred and sixty acres in the NE¼ of section 13, township 15 south, range 10 east, M. D. M., lots 14 and 17 of section 19, township 17 south, range 12 east, M. D. M., containing eighty-two acres; also lots 4, 5 and 6 of section 26, township 17 south, range 11 east, M. D. M., 124, 44-100 acres.

The directors are: H. S. Field, president, of Hammersmith & Field; W. J. Whitney, vice-president, with Shreve & company, R. R. Haskell of Haskell & Muegge (retired); and the secretary is L. Hammersmith, the cashier of Hammersmith & Field.

The companies put down a

small test well and struck a very fine quality of oil at thirty feet. As soon as the roads became passable this spring a fine drilling outfit was ordered and the company expects to complete its first well with the utmost possible dispatch. George Berg, the manager at the works, is an experienced oil man and ought to strike oil if any one can. The well is now down about 100 feet and work is proceeding smoothly and rapidly.

The office of the company is in room 565 Parrott Building, and A. Kingsbury is the general agent.

SAN JOSE PETROLEUM COMPANY

This is one of the strongest companies now operating in the Fresno-San Benito district. It is principally a San Jose corporation with offices at 85 South First street; it has also a branch office in the Adams building, San Francisco.

The company controls 800 acres in the Fresno-San Benito district, which lies in the direct trend of the Coalinga belt. It also controls sixty-five acres in Santa Clara county, between San Jose and Moody Gulch.

Of the land lying in the Fresno-San Benito district 640 acres lies in the Panoche valley, and 160 acres in the Vallecitos valley.

The officers and directors are: H. W. Conkling, president; L. A. Spitzer, vice-president; D. A. Porter, secretary; C. A. Bothwell, treasurer; Brant & Brown, attorneys; S. H. Langford, J. C. Conkling, Garden City Bank & Trust company.

The company is capitalized at $500,000 with shares at $1. A limited amount of treasury stock has been offered at 25 cents per share and has met with a ready sale. The company expects very soon to commence drilling, and as its land has no superior, so far as oil indications are concerned, in the Fresno-San Benito district, the company expects to strike oil at no excessive depth.

LONDON OIL COMPANY.

The London Oil company is one of the largest land holders in the Fresno-San Benito district, having about 5000 acres in townships 16 and 17 south, and range 12 east, and has been devoting its energies to the acquiring of land and perfecting title to the same. Its policy is to form sub-companies by furnishing land on which to drill, taking royalty or stock in subcompany for same. It was arranged with several companies already and is offering good inducements to others now in process of formation.

The London-Calistoga has already ordered its rig and will begin boring next month on the southwest quarter of section 9, township 17 south, range 12 east. The northeast quarter of section 22 is taken by a company to begin operations soon, as is also the north half of section 24, while there are two options held pending formation of two other companies, one on the northeast quarter of section 23, township 17 south, range 12 east, and one on the west half of the west half of section 8 of 16-12.

The London Oil company is now negotiating the reconstruction of the Silver Creek road in conjunction with the Palace Oil company and the New Idria Quicksilver Mining company, which when completed will give a good roadway by that route into the Vallecitos district.

C. H. Phillips of San Jose is president; Honorable J. M. Gleaves, United States Surveyor General, vice-president; Honorable James G. Maguire, Ex-United States Congressman, and C. H. Dunsmoor, secretary California Bank, commission directors. Mr. O. A. Lane, First Vice-president California Petroleum Miners' Association is secretary and general manager.

Sandstone Cliff in Vallecitos Canyon, Fresno-San Benito District, Showing Uniformity of Stratification.

THE FRESNO-ALPHA.

The Fresno-Alpha Oil company, owning 640 acres in sections 22, 23, 26 and 17 of township 16 south, range 12 east, was pioneer in drilling in this Fresno-San Benito district.

This company has been drilling for a long time, but has had the usual experience of a new company in a new field, that of not knowing the formation of the ground they had to drill, the hard substances encountered, the necessary attendance of breaking machinery, the delay of getting new machinery from the source of supply, the building of new roads, the loss of bridges by floods. All these obstacles and more have had to be met and overcome, but with persistence bordering on the heroic the directors have persevered, and have now reached a depth of 700 feet, with encouragement enough now to buoy them up to the expectancy of sure success. Oilsands had been penetrated amounting to about 35 feet in thickness, when, at 475 feet, a third sand was reached and penetrated for 45 feet; at this point a strong flow of salt water was met, which, when pumped out, was followed by some oil of an exceedingly high grade, though not of sufficient quantity to warrant pumping. The salt water was cased off and drilling resumed, the drill passing into blue shale, in which they are now working. This is showing more oil as the drill is drawn, and indications are that when they reach the 900 to 1000-foot depth they will strike a paying sand. This depth has been the looked-for deposit, and as work is now progressing uninterruptedly, it is expected that it will be reached in a short time.

Not only the stockholders of the Fresno-Alpha, but those of companies with lands adjacent, are anxiously awaiting the results.

The stability of this stock and company are further attested by that it has always sold for $1 per share, and its officers being leading men. Its president is Hon. J. M. Gleaves, U. S. Surveyor-General; its vice-president, James Agler, division superintendent of S. P. R. R.; its secretary, O. A. Lane, first vice-president of California Petroleum Miners' Association. The other directors are W. H. Russell, assistant master mechanic of S. P., and D. P. Kellogg, general foreman S. P. machine shops. A. D. Cushing, the well-known insurance man of Alameda, is the general manager.

THE BOSTONIAN.

This is the name of a new company which will be incorporated next week to operate in the Fresno-San Benito district. The property of the company consists of 960 acres adjoining that of the Esmeralda and Hamiltonian properties. The company has 42 acres in 19, 19 12 and 918 acres in 30, 17-11. The company has been promoted largely through the enterprise of Mr. R. R. Haskell, the vice-president of the Esmeralda Oil company

CALIFORNIA CRUDE OIL COMPANY.

The officers and directors are: Major Led F. Winchell, president; E. S. Shanklin, M. E., vice-president; Honorable J. G. Maguire, attorney; T. A. Kirkpatrick, secretary and general manager, and W. S. Badger, the oil operator of Bakersfield. The office of the company is in the Mills building.

The company owns 640 acres in the Fresno-San Benito district, located at the junction of the Union and Coalinga oil belts, and the formation is very similar to that about Oil City, though more frequently intersected by sand ledges, and having a more abundant supply of water.

The company has also a twenty-year lease on ten acres of patented land in 19, 28-28, Kern River district, that is surrounded by producing wells a rig is now at work.

The company also owns eighty acres in Southern Monterey county of first-class oil land.

The California Crude Oil company is capitalized at $500,000, shares $1 each. The officers are men of standing and the first block of treasury stock is selling well. The company will have a producing well in sixty days.

THE WHITE DOME.

The White Dome Oil company, whose property includes 640 acres in 3, 17-21, was incorporated April 20, 1901, under the laws of California with a capital of $600,000, par value $1 per share. This land has been experted by Wilson, Barieau, and Colonel L. P. Crane, whose reports are most encouraging. There is an oil spring on southwest part of the section which seeps out of white sand rock. As the oil filters through the rock it is almost as clear as coal oil. In the bed of the ravine oil sand lies exposed for hundreds of feet.

Development work will be commenced at once. A limited amount of treasury stock will soon be for sale to provide further funds for development.

The officers and directors of the company are as follows: W. M. Smith, president; O. G. Day, vice-president; H. W. Lindhard, secretary; Joseph Fassler; W. M. T. Vahlberg, W. H. Childers, E. P. Palmer, Nelson Provost, P. E. Daniels. P. C. Frederickson, L. J. Dolan, De Loss Pratt.

The offices of the company are on the 5th floor of the Parrott building, San Francisco, Cal.

MAP OF THE FRESNO-SAN BENITO OIL FIELD, WITH DEVELOPMENTS TO APRIL 26, 1901.

THE TOOMEY CREEK.

The Toomey Creek Oil, Land and Development company has 800 acres of first-class oil land on section 1, 17-12.

Near the section are the Fresno-Alpha, the Cygnet, the Esmeralda, Hamiltonian, all of which are now actively in operation and expect to reach the oil sands by June. The company is a close corporation, and expects to commence development work at once.

THE HAMILTONIAN.

This company, which struck such a big seepage at less than 90 feet, is a Hollister corporation of which the following is the directorate: N. C. Briggs, President; Wm. Palmtag, Vice-president; Jas. A. Kearney, Secretary; P. J. Dooling, Treasurer; George Berg, Manager; V. T. McCray, Engineer.

The company has 2,300 acres, is capitalized for 500,000 shares at $1, and is offering a limited amount of treasury stock at 25 cents. The well is now down about 300 feet. The property is located in the Vallecitos valley.

THE CALISTOGA.

The Calistoga Oil & Development company hold about 160 acres in 9, 17-12 on a development contract with the London Oil company. A company will be formed on this tract known as the London Calistoga, of which the Calistoga Oil & Development company will hold the promoting interest. A rig is enroute, and drilling is anticipated about June 1st. The company also hold contracts on the NE¼ of 23, 17-12, and the west half of the west half of 8, 16-12. These two pieces are part of the London Oil company's valuable holdings in this district. The Calistoga Oil & Development company also have a contract for developing a tract in 25, 14-11 in consideration of a deed to 320 acres in that section.

Work will be pushed on all of these tracts as rapidly as possible.

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The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W. B. WINN, Editor and Publisher

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FRIDAY, APRIL 19, 1901.

Another Oil Daily in the Field

When the oil boom first started in California a paper was started called the Daily Oil Journal. It existed precariously for a few months, and then suspended publication, the suspension calling down upon the heads of the publishers the maledictions of those who had paid their subscriptions in advance.

In two weeks another oil daily was started called the Daily Oil News, the publishers stating they were experienced newspaper men, had capital back of them, and knew they could fill the long felt want for a daily oil paper.

The Daily Oil News lasted about three months, and then suspended publication, amid the anathemas of a number of subscribers who had paid their subscriptions in advance.

For several months matters went along quietly, until one day another "experienced newspaper man" jumped into the field and, "backed by abundant capital" resurrected the Daily Oil Journal. It lasted about three months and died, also amid the howls of those who had paid in advance.

The very next day, about two weeks ago, another "experienced newspaper man backed by abundant capital" resurrected the Daily Oil News, and is now soliciting the patronage a much-enduring and deceived public who, the publishers say, are jumping over themselves to get to the counter to pay up their subscriptions in advance, and sign advertising contracts. It is to be hoped the new publishers of the News have agreed to keep all money received for subscriptions, advertisements, etc., in escrow in order that there may be no possibility of the patrons of the new paper not getting their money back. No bank has yet been named as depository.

While we hope the Oil News will be successful and prove an aid to the oil industry still we prophecy an up-hill fight. A daily should publish fresh news, which means heavy telegraph and reporters' bills. It also competes with the big dailies who have at least woke up to the importance of oil news, and are only too glad to publish it.

With the suspension of three oil dailies in San Francisco within the year, and the fact that the old subscribers who have paid in advance have grown suspicious of daily oil papers the publishers of the new Daily Oil News deserve credit for the courage they or someone must have had in backing the financial end of the enterprise. Newspaper angels are not born every day.

The Fresno-San Benito District.

The Fresno-San Benito Oil district, in the opinion of many competent experts, is destined to become one of the great oil districts of California.

Already it has been demonstrated that oil is there, not only in abundant seepages which are found in many different portions of the district, but in vast deposits which lie at considerable depth below the surface.

As yet no thorough test of the district has been made. Oil has been struck of a good quality and in considerable quantity, but the few wells thus far called "completed" have not tested the oil capacity of the district.

It is believed that the Fresno-San Benito district is but a continuation of the oil belt which runs through the celebrated Coaling field only twenty-five miles away; but in the latter field the wells will average over 1200 feet in depth at least, while as yet in the Fresno-San Benito district few if any wells have been drilled to a depth of over 900 feet.

A large number of Standard rigs went to work in this district this spring as soon as the roads became passable and allowed hauling of machinery and casing. Under favorable conditions we may expect to hear of good oil strikes by the first of June, although most of the rigs now at work will not reach the deep oil sands until August or September. But any time between now and the fall season we may expect news from this district that will bring it into prominence as one of the best in the state.

As soon as oil in paying quantities is discovered a railroad, already surveyed, will be constructed into the district, and a pipe line will be laid.

The outlook is certainly very favorable.

Oil Business Very Dull.

The oil business just now is duller than it has been for weeks. Few oil stocks are being sold as compared with the business of four months ago, and the price of these has lessened.

Several causes have been assigned for this remarkable state of affairs, such as over-production, lack of transportation, refusal of the railroad to haul tank cars other than those of certain companies, influence of the Standard Oil company in bearing prices, etc., etc.

All these so-called reasons for the present slump in oil stocks are wrong.

There is no over-production. While transportation facilities are not what they should be they are increasing daily. The railroad has never refused to haul cars when properly loaded and offered, and the Standard Oil company has more sense than to bear oil prices to such an extent as to discourage further production.

The real reason for the present state of the stock market is the competition that has been entered into by a few of the large and a number of the small companies which has resulted in the closing of a number of large contracts at the rate of about 22½ cents at the wells.

These contracts have been made, and the result is a temporary lowering of stock prices.

The men who made these low contracts now see their mistake and are endeavoring to make themselves right with other producers by howling for "consolidation," and "insisting on a standard price for oil."

The present state of the market will probably not be of long duration, and better prices for oil and for oil stocks may be expected in a few days.

Meanwhile now is the time to make contracts for oil, and to buy oil stocks.

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SAN FRANCISCO, CAL.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

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PHONE, BUSH 240.

A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

LOW CAPITALIZATION

Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

$2 Per Share

A GUARANTEED INVESTMENT

With the first well in oil, railroad running through the property, under the management of well-known, conservative business men, 80 acres of proven oil land in Sections 8 and 10, 29-28, Kern River District, recommends the investment to conservative investors. . . . . .

Officers and Directors—George L. Dillman, M. A. De Laveaga, William Palmtag, George D. Clark, Thomas Flint Jr. W. C. Graves, Attorney. . . . . .

Office 402 Kearny Street

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OIL Prospectuses, Booklets, Stock Certificates, Letterheads, Envelopes, Dodgers, Letter Circulars, Etc.

Printed at short notice and at reasonable prices.

Pacific Oil Reporter Job Office

Rooms 31, 32 and 33

318 Pine Street, San Francisco

Pumping By Compressed Air.

The problem of pumping the oil from wells in the Kern River, Sunset and McKittrick districts, all of which present similar difficulties, seems to have been solved.

Owing to the fineness of the sand in the strata bearing the oil, a large quantity of gritty matter has been carried by the oil, rendering the pumps useless after a few hours' run, and materially reducing the average output because of the frequency of interruptions and the length of time which the wells are idle. It is estimated that of a group of five wells, at least one of them is out of commission continually, a fact due to the necessity of pulling and cleaning out sand.

The Times states that a short time ago the Euclid, on 30, 28-28, decided to try an experiment, which is reported to have turned out as successfully as could have been wished. Pumping by means of compressed air was attempted, and instead of being troubled with the wearing out of machinery and consequent delays, the company has been able to remove all the oil from its wells, together with whatever sand was carried, and pebbles as large as almonds have floated to the surface, assuring a free hole in the future, and giving promise that the vexatious stoppages of the past will not be experienced again.

In twelve hours the air forces out all the oil, and the well is allowed to rest for the same length of time, after which pumping is resumed. In this way a small compressor is able to do the work for two wells.

The method adopted for the application of the air is to run tubing to the bottom of the hole, the end of the tubing being left open. A foot or so above the lower end, a pipe which leads down from the compressor, is connected with the tubing and the air is released at this point. In its struggles to rise to the surface, the air takes with it all the oil that is in the pipe and, the removal of the oil causing a vacuum to be formed, the oil rushes into the tubing and is thus made to flow up in a steady stream.

There is but one objection to the use of this system and that is the expense of the necessary machinery. A power plant that would accommodate ten wells costs in the neighborhood of $3000, but an air compressor capable of doing the same amount of work would require an outlay of $20,000. It is said, though, that a number of small compressors of equivalent capacity may be obtained for a considerably less sum, and the latter plan will doubtless be adopted by those producers who take up the compressed-air idea. These small machines can be propelled by engines of the size required to pump a well on the beam and the expense for fuel may be eliminated from calculations, especially as it is now considered that where pumping is carried on, it can be done at less expense of money, time and trouble, on the beam than by attaching a jack.

Changes in Los Angeles Exchange.

The Los Angeles Stock Exchange has just inaugurated important changes in its rules relative to the matter of stock trading. Under former regulations the business was confined to cash trading with the exception of options buyer or seller 30. At a meeting of the exchange held during the past week the by-laws of the association were amended so as to permit account trading, fixing marginal percentages to be paid on the purchase of stock, time of settlement and commissions and other necessary regulations were established. The volume of trading in oil securities is believed to be greatly restricted owing to the fact that heretofore purchasers of this class of securities have been compelled to advance the entire amount of cash for stock purchased, immediately upon the consummation of the transaction. In this way the speculator's buying was limited to the amount of cash which he was able to put into any given trade. Henceforth, speculators will be able to control a much larger amount of stock with the same cash expenditure. The new rules adopted were practically those of the New York Stock Exchange with such modifications as were found necessary to meet local conditions. It is expected that the new regime will augment the business of exchange members.

During the past few days business has not been up to the former standard, the average daily transactions being somewhat less than those of previous weeks. Prices have remained firm, although no fresh demand for oil securities has been apparent. From a careful study of registered sales it is evident that prices have about reached their lowest limit, present stockholders being unwilling to part with their securities for the amounts offered. In one or two instances quotations have shown a slight decline. On the other hand several well-known stocks have advanced. In the case of many other securities there is quite a margin between the bidding and asking prices with an evident strong intention on the part of the askers to remain firm until bidders raise to their prices.

The local petroleum market appears to be on the mend. A number of prominent producers held a meeting within the past few days at which preliminary steps were taken toward improving market conditions

The best thing that may be said of the oil stock market generally is that prices offer excellent opportunities for both investment and speculation. Many standard securities are being sold at figures much lower than their intrinsic value and the fortunate investor who has the nerve and business sagacity to take advantage of the situation is almost certain to reap a rich reward.

Reliable and Strictly Legitimate Oil Stock

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STANDARD ROCK OIL COMPANY

Do you wish to make money? Be careful and invest only in a sound and safe company! This stock is non-assessable! Oil guaranteed!

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Directors are honest and capable business men

Land lies three quarters of a mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick.

Contract let for first well, derrick, etc., erected.

All our neighbors have large producers!

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders.

Extra hours—Saturdays, 7 to 8 p. m.; Sundays, 11:30 to 1 p. m

Send for prospectus.

On May 15th **30 cts. per share.**

Delays cost money.

CALIFORNIA OIL INVESTMENT COMPANY

475-476 Parrott Building

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Here is a favorable oil opportunity

And here is a chance to buy o stock, with the best possible outlook for assured returns. The Esmeralda Oil & Development Company are now drilling on their own tract of 366 acres, in proven oil fields situated in the most favorable districts of Vallecitos, San Benito County, adjoining the late oil strike. Stockholders guaranteed. Management economical. Capitalized for 100,000 shares, par value $1; 40,000 shares of treasury stock of which a limited number is offered at $1 per share.

Write for prospectus and map. A proposition that is sure to win your favor, or call on

A. Kingsbury,

General Agent,

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San Francisco.

THE CHEHALIS OIL & MINING COMPANY

will operate on 2060 acres in Colusa County adjoining the Gibson Gusher. They offer the greatest possible returns to investors of any company in California. Crude oil actually worth $6 per barrel has been found. Stock is absolutely non-assessable. A limited amount is now offered at a ground floor price.

For map, prospectus, etc., call on or address

THE CHEHALIS OIL & MINING COMPANY.

232 Montgomery St., San Francisco.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

The Colusa County Oil company's rig is being erected on the Tom Harlan place west of Williams.

CONTRA COSTA.

The Mt Diablo is waiting for a perforator for their eleven and five-eighths casing. They have a fifty-barrel well.

The Grand Pacific is down 500 feet, the last 150 feet being in green shale. The flow of gas is very strong, and there is a big seep of oil in the hole. Drillers are satisfied oil sand will be reached in twenty-five feet. Loss of tools in the well compelled a loss of short time till proper fishing tools could be obtained.

FRESNO.

Well No 1 of the Caribou is still used as a water well, but eventually will be drilled deeper to the oil sand. No. 2 is making 100 barrels a day. No. 3 recently pumped 100 barrels in 11 hours. Work has been commenced on No. 4.

HUMBOLDT.

Another derrick is to be erected on the Hindley ranch, and rumor has it that a number of others will go up in the locality during the summer.

The Wild Goose well in the Mattole district has been given up after a futile fishing job of two months after lost tools. The well had been drilled to a depth of 1500 feet and indications were good. The inability to obtain casing owing to bad roads was the main cause of the trouble.

George Hindley and E. M. Hoagland of Upper Mattole were in Petrolia Saturday to get the new casing spear which recently arrived here for the Hoagland Oil well on the Etter ranch. This instrument is an invention of Mr. Hoagland's. The machine weighs about 624 pounds, and it was found necessary to haul the casing spear over Shenanegan on a sled. Operations will be resumed.

INYO.

It is reported that a contract has been let for the sinking of two wells in the oil belt near Heiwei Meadows. The machinery has been ordered and active operations will commence by June 1.

KERN.

The Panorama has begun drilling on section 14, 29-28.

The Arizona Western is in the second sand with well No. 2.

The Klondyke Jewell will soon begin operations on section 2.

The Wizard on the northwest of 26 is now building its derrick.

The Pacific Petroleum is preparing to drill on 18, 26-21, Devil's Den district.

The Star Oil company, who are operating on 11, 30-21, West Side, are spudding.

The Spenser at McKittrick has a collapsed casing. The hole is 960 feet in depth.

Another sand has been reached by the Vancouver at 900 feet. The five and five eighths is being put in.

In the San Francisco-McKittrick, for the last sixty feet, indications of oil have been getting more numerous.

The Majestic, 31, 32-24, will proceed with the drilling. It has now reached a depth of 1200 feet.

The I. X. L. has the material on the ground for its rig on the SW¼ of 7, 11-23.

A. L. McPherson has organized a company to operate on the northeast quarter of 36.

E. R. Bishop, on the NW¼ of 13, 20-20, McKittrick has the well down 400 feet.

Pacific Crude on section 13, 30-21, McKittrick is down 1027 feet with 400 feet of sand.

The Elkhorn has been organized to operate in the neighborhood of the Transfer, 30, 31-23.

The Mt. Diablo, which owns section 26, 32-22, in the Midway, has leased four eighties, one on each side of the tract.

The Rinconado Oil company, operating in Sunset district on section 6, 11-23, report their well as in heaving sand and gas at a depth of about 700 feet.

The Dixon Oil company, in Midway, operating on section 23, 32-23, have the rig and tools upon the ground. They will spud in next week.

The Southern Pacific has made many leases on the south side of the river on its lands extending from the Kern City line to Cottonwood.

The Spring company's well on 11, though only in the first sand, is doing 250 barrels a day, and the derrick is now being built for well No 2.

The Syndicate Petroleum which recently began operating a short distance back of the Eldorado operations, struck a showing at ninety feet.

The second installment of men and horses for the building of the Sunset railroad grade has arrived. The team force consists of 160 head of horses.

Ludwig & Hickey have given up work on their well on S½ of 17, 29-28 south of the river. The Silver King has bought the rig and will go on down. The well is 1075 feet deep.

The California Fortune on 34, 12-24 is having trouble with its casing. The drill has gone through forty feet of oil sand and it is believed that a good well can be obtained.

The company, which will drill on the northeast quarter of section 25, 32-33, through the compromise between the two sets of locators, is named the Barton. It is a Fresno corporation.

The Kern King on the McKittrick side have succeeded in shutting off the water with the eleven and five-eighths and have run in their nine and five-eighths. The well is over 700 feet deep.

The Kern River Oil company have completed arrangements for three more rigs to be placed upon their holdings at McKittrick. This will give them six rigs operating in this district.

The Pacific Land & Oil Syndicate has leases on section 10 to the north of the break at McKittrick and soon will be drilling with two rigs. Eight carloads of material has arrived for this company.

No. 6 has been finished by the Globe on 30, 28-28 and it gives promise of being greater than any of its predecessors. It is 915 feet deep and contains 400 feet of productive sand.

Contractor Lowe is erecting two derricks on the east half of 14, south of the River, on land leased from the Midnight, and will soon be drilling. It is understood that the Santa Fe is interested in this venture.

A water strike in the Sunset district is reported by the Superior Extension on 28, 32-24. The question of a water supply in that dry territory, seems in a way to settle itself, as several finds have been made of late.

A syndicate has been formed to take the well of the Fresno-Midway off its hands and to pump the water north to the Midway district to supply the rigs at work there. The well is located on 28, 32-24 and it is said to be good for 1000 barrels a day.

A dividend of one per cent has been declared by the Dabney company, operating the Eldorado lease at McKittrick. The statement is made that the Dabney's present production is great enough to insure such a dividend each month on the capital stock of $1,000,000. The prospects, however, are that the company will continue to convert the cash derived from the sale of oil, into more wells, as the lease is not yet nearly developed.

LOS ANGELES.

The Central paid a dividend on April 25th.

United Petroleum Oil company has paid its monthly dividend of 82 cents a share based on the dividend of the Union Oil company of 45 cents, paid on the 10th.

Officials of the Globe Oil company state that that company will hereafter pay quarterly dividends of 1½ cents a

share. This is a little over 22 per cent a year on the present value of stock.

The Standard Oil has let the contract to Lacy Bros. of Los Angeles for ten big steel tanks to be built as fast as the work could be pushed. Each tank is to have a capacity of 35,000 barrels, and it is rumored they will be sent to the Kern River field as soon as completed.

The Southern Pacific has ordered of the same firm five steel tanks of the same capacity, and will use the same to store oil on its line between New Orleans and Texas. Arrangements are being made as fast as possible for the displacement of coal all along the line.

MENDOCINO.

Another well is to be drilled near Point Arena.

Near Hopland drilling will soon commence.

The Ukiah Oil and Dev. Co., after a year's work, have only drilled 315 feet in their well in Ukiah.

MONTEREY.

The San Ardo is moving its rig

The Judah, on 32, 21-8, will soon have two rigs at work.

The San Antonio will soon commence work on a second location.

The Normal, on 5, 23-10, is in blue clay at 200 feet, with good indications for oil.

Thirty-two companies are now operating in Monterey county, of which 18 have already bought rigs.

The Tomboy, on 29, 32-10, has succeeded in shutting off the water at 1300 feet, and can now go ahead.

The Romie is a Chinese company, that on Wednesday put $20,000 in its treasury for development work,

Other companies now drilling or about to drill are the Arroyo Seco, Earl, National, White Oaks. Nacimiento, Pinkerton and Rainier.

The Great American, on 2, 25-10, has 35 feet of oil sand at 280 feet, lots of gas that burns a flame 12 feet high, and the oil rose 15 feet in the casing. Expert Simon is sure of a big well at 550 feet.

ORANGE.

Santa Fe well No. 25 is in shale with a eleven-inch hole, which has reached a depth of about 400 feet.

The Loftus people started strings of tools drilling in wells Nos. 10 and 11 this week. Three more rigs are ready for tools and men on this lease, also.

Olinda well No. 4, now down 1100 feet, and has seven and five-eighths inch casing, is running easily in shale. Oil sand, it is expected, will follow this shale.

The Fullerton Oil company has its fourth well on the pump, and is doing about fifty barrels per day. No. 5 is on the drill, and has reached a depth of more than 400 feet.

Well No. 21 on the Santa Fe lease is now pumping about fifty barrels of light-grade oil daily. No. 20 is also doing about the same. Nos. 26 and 24 are now drilling, the holes having reached a depth of 1000 feet. Work on No. 28 will be started Monday.

The Loftus well No. 12, located in the very bottom of one of the deepest canyons on that lease, is still proving itself worthy of its reputation, and is putting out about fifty barrels per day.

The Columbia company commenced drilling operations Monday on its new lease, recently obtained from the Union Oil company in the western extension of this field.

SAN MATEO.

The Bella Vista is down 280 feet in a hard formation.

SAN BENITO.

The Hollister Petroleum Development company has drilled over 200 feet.

The San Benito County Oil drill is in shale at a depth of 1085.

The Hollister Crude Oil company has arranged to let a contract for the first well.

The Elvina Oil company is being organized. Articles of incorporation have not yet been filed.

Bids for drilling a well are being considered by the San Antonio Oil company whose territory is near San Juan.

The Ashurst Oil company is down about 375 feet and work is progressing

We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

For a few days only we will sell stock at ten cents per share.

First well completed about May 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed. No agents. No prospectus. Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.

T. A. KIRKPATRICK, Secretary.

HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.

First National Bank of San Francisco, Depository.

Struck Oil

Our first well in 11, 29-28 is pumping 50 barrels per day. Well No. 2 to be started at once. The best strike south of the river.

25c PER SHARE

A limited amount of stock will be sold for further development at the above price.

SPRING OIL COMPANY

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WESTERN OIL CO. Capital $500,000

OPERATING IN SUNSET DISTRICT

LIMITED NUMBER OF SHARES OFFERED FOR 25 CENTS PER SHARE

MANCHESTER AND LIVERPOOL OIL CO.

Capital $500,000

OPERATING IN SAN LUIS OBISPO CO.

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RELIABLE AGENTS WANTED IN EVERY TOWN.

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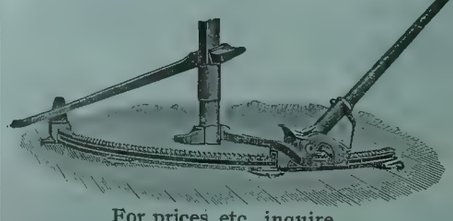

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12 YEARS' EXPERIENCE

Can Take Charge of an Outfit.

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Paper and Paper Bags, Twine and Supplies of every description incidental to the trade.

We carry the Largest Stock. Our prices are Equitable.

Tel. Main, 1133.

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IN THE DISTRICT OF COLUSA COUNTY . . .

Showing the best oil yet on the market, at reasonable prices and terms, in tracts from 20 to 3000 acres.

John C. Mogk

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VALUABLE

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To Lease in the

McKittrick and Midway Districts

Address W. H. GILSTRAP,

Sec'y Visalia Non-Assessable Oil Co., Visalia, Cal.

WANTED

Everyone desiring the best oil stock speculation to buy

Ventura Consolidated Crude Oil Company Stock

Nearly 3000 acres oil land and a promising gold mine already fairly developed. Wanted, Agents in every town.

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628 Laughlin Building, Los Angeles, Cal.

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Member Producers' Oil Exchange

Orders to Buy or Sell Stocks

Promptly executed

Office—Belden Block, 137 Montgomery Street, Room 3, second floor.

nicely since the hard rock has been passed.

The Portia Oil company will have a rig operating in a very short time. This company joins the San Carlos company on the north.

An oil company is being organized by H. S. Field of San Francisco to operate in territory northwest of the Vallecitos near the Union Oil company's wells.

Messrs. Gormley and Garside have returned to resume drilling for the Fresno and San Benito Oil company, the injunction having been raised and the case been set for the latter part of this month.

SANTA BARBARA.

Work on the Duquesne drilling rig has been cut down to one hour daily.

Oil cars are plentiful once more, and producers have no complaint to make on the score.

Hickey & Robinson on Thursday finished and perforated a well on the Becker territory, on the beach, at a depth of about 200 feet.

The Drexel company at the Hope ranch are down 500 feet, with some indications. The drill is working through strata of blue clay and shale.

G. H. Flick this week built the drilling derrick for the first of the series of wells on the new wharf of the Marine company. Frank Churchill will do the drilling.

The North Star company got their two wells to pumping. These wells are operated by electric power, supplied from the Seaside company's electric plant.

The Eastern Star Oil company, which is officered by the same officers as the Diamond Star company, which bought the Churchill plant in the Summerland field, is receiving a considerable roasting through the columns of the Examiner, on the grounds that they are using misrepresentation for the purpose of floating their stock in the east.

The drilling rig has been removed from the Daniels lease of the Juanita company to the lots of Henry Bremme, in block 38, which is also under lease to the same company. A sixteen horse power engine has been placed on the grounds at the Daniels lease and a new Standard rig is expected next week, when the company will commence work on No. 3.

FRESNO.

Hanford is 600 feet on No. 2

The Star has a casing job.

Carmelita is down about 1100 feet.

Crescent is deepening its well on sec. 24.

Coalinga is to have a water supply.

The El Capitan, on section 31, has a string of casing broke off in the hole.

The New York, on section 20, Coalinga, has a string of tools in the hole.

The Home has a finishing job on No. 8, on the Oil City lease.

The Coalinga Oil company has its tools in the hole.

Extra Copies.

Last week the editor of the PACIFIC OIL REPORTER, consisting of 6,250 copies, was sold out by Monday. This week the edition consists of 10,000 copies, and orders are coming in rapidly. Persons and oil companies desiring extra copies should order immediately.

Kern Valley Oil Company.

This company, which owns 6,600 acres of valuable oil land, is meeting with great favor from the investing public. The company has contracted for three wells and work will be pushed night and day. The first block of stock has been sold and the second is being rapidly taken up at 25 cents, or 500 share for $100. The present stock sold no more will be offered at less than 50 cents. The office is room 13, 5th floor, Mills building.

Mob Law In Midway.

In the shooting case in the Midway the direct cause of the trouble was a doubt as to whether the Mt. Diablo company had complied with the requirements of the law in relation to assessment work, on section 26, 22-23, Midway district. The Mt. Diablo purchased this property from locators some months ago for $15 an acre. They had done $1200 worth of assessment work on the property. The Superior Sunset laid claim to the same territory and a week ago sent a drilling outfit on the land and prepared to put down a well. About midnight on Thursday of last week a party of vigilantes, composed of volunteers from the various companies operating in Midway, approached the camp of the jumpers and ordered them off. They were met by a couple of shots, which was followed by a general fusillade, about fifty shots being fired on both sides. Two men of the jumpers' party, Walker and Cornell, were badly wounded, but the latter has a chance of recovery. The tank near which Walker was standing is said to have been riddled with bullets.

The question of ownership has been settled practically by the proposal of the Superior Sunset to lease eighty acres of the ground in dispute from the Mt. Diablo on a one-eighth royalty. It is expected the proposition will be accepted.

The Calistoga Oil and Development Company

Holding by purchase, leases and options valuable properties in Yolo, Napa, Fresno, San Benito, Monterey and Kern Counties, is offering a limited amount of its treasury stock at 50 cents per share.

Before placing this stock on the market the directors have secured the properties and furnished funds to purchase two rigs. Actual drilling will begin this month. Are you interested? Then call or write for prospectus.

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B. F. EDWARDS, Secretary. J. M. CASSELMAN, Treasurer.
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WESTERN OIL ASSOCIATION

OF SAN FRANCISCO, CAL.

6,440 acres selected oil lands in Kern, Fresno, Contra Costa, San Diego and Monterey Counties.

FOUR WELLS
BIG DIVIDENDS

Directors have ordered work commenced at once on well No. 1, and contract let for three more.

300,000 shares placed in treasury stock, of which a very limited number only will be offered while they last at 10 cents per share.

Positively your last opportunity to get in on the ground floor. Order stock at once. For further information write

R. K. ROBERTS, Secretary
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San Francisco, Cal.

Absolutely Non-Assessable

For Short Time Shares 10 Cents

Liberal contracts to a few live solicitors.

Producers' Oil Exchange.

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, April 24:

BEAR FLAG.

1500 at	15	225 00
500 at	19	95 00

CALIFORNIA STANDARD.

1000 at	39	390 00
1000 at	38	380 00
1000 at	40	400 00

CALA. MUTUAL.

100 at	40	40 00

CARIBOU.

500 at	65	375 00
150 at	70	105 00
50 at	72	36 00

CENTRAL PT. CON.

300 at	1 35	405 00

FOUR OIL CO

1200 at	47	564 00
1300 at	48	624 00
3200 at	49	1568 00
1200 at	50	600 00

HANFORD.

12 at	93 00	1116 00
4 at	94 00	376 00
1 (B60)at	95 00	95 00
19 at	95 00	1805 00

HOME OIL.

100 at	3 80	380 00
1950 at	3 70	7215 00
400(S 30)at	3 65	1460 00
100 at	3 60	360 00
850 at	3 55	3017 50
550 at	3 50	1925 00
100 at	3 45	345 00

HANFORD-FRESNO-KERN RIVER.

400 at	18	72 00
300 at	15	45 00

JUNCTION.

100 at	50	50 00
400 at	51	204 00
100 at	52	52 00
200 at	51	102 00

INDEPENDENCE.

2250 at	18	405 00
3500 at	20	700 00
500 at	19	95 00

KERN.

175 at	7 00	1225 00
100 at	7 50	750 00
50 at	7 12½	356 25

KERN RIVER.

100 at	13 50	1350 00
50 at	13 00	195 00

LION.

2050 at	18	369 00
2000(S60)at	17	340 00
2000 at	19	380 00

McKITTRICK CONSOLIDATED.

1600 at	10	160 00
200 at	07	14 00
200 at	11	22 00
100 at	12	12 00

MONARCH OF ARIZONA.

2300 at	59	1357 00
500 at	60	300 00
1500(S 30) at	58	870 00
1050 at	58	609 00
50 (S30) at	57	28 50
400 at	55	220 00
300 at	54	162 00
1100 at	53	583 00
200(S30)at	52	104 00

OIL CITY PET.

2800 at	26	728 00

OCCIDENTAL OF W. VA.

400 at	52	208 00
1500 at	58	870 00
100 at	60	60 00
200 at	59	118 00

PEERLESS.

120 at	08	960 00
10 at	8 62½	86 25
100 at	8 50	850 00
10 at	7 87½	78 75

PETROLEUM CENTER.

200 at	15	30 00
7200 at	14	1008 00
1500(B30) at	15	225 00
500 at	13	65 00

RED BANK.

1500 at	15	225 00

REED CRUDE.

500 at	49	245 00

SENATOR.

500 at	1 50	750 00

SHAMROCK.

650 at	90	585 00

STERLING.

140 at	2 10	294 00
200 at	2 15	430 00
300 at	2 05	615 00
50 at	2 02½	101 25

SAN JOAQUIN.

100 at	9 75	975 00

TOLTEC.

100 at	50	50 00

WOLVERINE.

750 at	1 05	787 50

Shares 58,221 Amount $45,577.50

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending April 24:

BEAR FLAG.

1000 at	17	170 00
500 at	19	95 00
2000 at	20	400 00

CALIFORNIA STANDARD.

2500 at	39	975 00

CARIBOU.

100 at	70	70 00

FOUR OIL.

600 at	48	288 00
2050 at	50	1025 00

HANFORD.

5 at	94 00	470 00
10 at	95 00	950 00
3 at	96 00	288 00

HOME OIL.

200(S30)at	3 80	760 00
100 at	3 70	370 00
300(S30)at	3 60	1080 00
100 at	3 60	360 00
100 at	3 45	345 00
200 at	3 40	680 00

INDEPENDENCE.

500 at	18	90 00
1000 (B30) at	20	200 00

KERN OIL.

450 at	7 12½	3206 25
20 at	7 37½	147 50

LION.

150 at	18	27 00
2000(S60) at	16	320 00
500 at	17	85 00

MONARCH OF ARIZONA.

1200 at	59	708 00
1000(B30) at	60	600 00
4000 at	58	2320 00
500 at	54	270 00

MONTE CRISTO.

100 at	2 45	245 00
100 at	2 40	240 00

OCCIDENTAL OF W. VA.

100 at	53	53 00

PEERLESS.

50 (Cash)	8 00	400 00
50 at	8 25	412 50
50 (B60)at	8 50	425 00

PETROLEUM CENTER.

3500 at	15	525 00
500(S30) at	14	70 00
3150 at	14	441 00

SAN JOAQUIN O. & D.

100 at	9 75	975 00
150 at	9 87½	1481 25

STERLING.

300 at	2 15	645 00
200 at	2 12½	425 00
25 at	2 05	51 25
100 at	2 07½	207 50
50 at	2 02½	101 25

SUNSET.

300 at	30	90 00

WEST SHORE.

100 at	2 85	285 00

Shares 30,013 Amount $23,372.50

C. E. WILSON & CO.,
Stock Brokers
MEMBERS PRODUCERS' OIL EXCHANGE . . . . .
Oil Stocks, unlisted and listed, bought and sold.
Information furnished free concerning oil companies, stocks and securities,
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Tel. John 2186.

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240 Bush St., Mills Building.
Member Producer's Oil Exchange and San Francisco Stock Exchange Board.
Oil Stocks and Securities.

TEL. MAIN 5775.
SYLVAIN SALOMON.
Oil Stocks and Securities.
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Member of San Francisco Produce Exchange, Producers' Oil Exchange.

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OIL STOCKS BOUGHT AND SOLD
Oil Companies Promoted and Financed . . .
646 Market Street
Chronicle Building
San Francisco, Cal.
Phone, Red 3571

Oil Men, Attention!!
The Occidental Exploration Company buys, develops, exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.
F. H. HAUSMAN, Secretary.
Room 32, 8th Floor Mills Bldg.
San Francisco, Cal.

Batz & Jordan
Dealers In
Oil Stocks
Agents for the Occidental and sub-companies, Lone Star, Lion, Monarch. Sole agents for Corona and Golden West Stocks. Rooms 497, 498 Parrott Bldg. San Francisco. 'Phone, South 788.

Max Goldman
Member Producers' Oil Exchange
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MAX GOLDMAN
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Will execute all orders' promptly. Correspondence solicited.
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Kern Co., Cal.
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San Francisco, Cal.

GEO. W. TERRILL.
LICENSED BROKER.
Room 10, Ground Floor, Mills Building.
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Member Producers' Oil Exchange.
Oil Stocks Bought and Sold.

Oil Stocks
Bought and Sold By
JOSEPH B. TOPLITZ
Member
Producers' Oil Exchange
330 PINE ST., S. F.
Correspondence invited. Information on oil stocks furnished gratis.

Burning Crude Oil in Stoves

The Hanford Sentinel is authority for the statement that oil in crude form is and has been used on the West Side for fuel since last fall and it proved a grand success. The cook stoves are entirely without expensive burners, all that is required is a plate over the lower grate to prevent the oil running through. A quarter-inch pipe is used as a conductor of the oil to the stove which runs into the fire box over the plate where the fire is wanted. The end of the pipe is flattened out to distribute the oil more evenly and a stop cock is used to turn on and shut off the oil supply. This is the extent of the oil burning stoves now on the West Side where they originated.

As soon as it is necessary to light the stove the oil is turned on for an instant, and a small piece of paper serves as a starter. The oil begins to burn immediately and as soon as the stove is somewhat heated the product burns with a clear blaze, leaving little or no residue and making no smoke. As to cheapness we have the word of C. C. Spinks, who is using the oil in the bunk and cook houses at the Caribou wells, and who says that a barrel of oil is yet to be consumed in the bunk house where a fire has been used every night this winter for heating purposes. Eighty cents per barrel is about the retail price of the crude product, which makes by far the cheapest, handiest and probably best of fuel for domestic use. All that is needed is the introduction in which Mr. Spinks says there will be a great step taken within the next few weeks. He has made arrangements with a coal party by which he will ship a barrel of the Coalinga oil to Hanford for experimental purposes and which he thinks will tend to revolutionize the fuel question for Kings county.

Asphalt and Bituminous Rock.

Theoretically an asphalt pavement and a bituminous rock pavement ought to be identical. Asphalt is a natural hydrocarbon of the consistency of pitch. To make pavements it is heated to a definite temperature and then mixed with definite proportions of sand and powered limestone. Bituminous rock is a natural mixture of the same substances in nearly the same proportions. The bituminous rock contractors claim that their material, being mixed by nature, with plenty of time and enormous pressure, is better incorporated than any artificial mixture can be. The asphalt contractors claim that their material, being mixed in definite proportions, under fixed conditions, is more uniform than any natural mixture can be. Bituminous rock ought to be ground together in large quantities to give it uniformity of mixture, and ought to be heated to a definite temperature considerably higher than that usually employed to rid it of volatile matter. The same precautions are necessary with asphalt. The difference is that it is possible to lay some sort of a pavement with bituminous rock and still neglect these precautions, while an asphalt pavement cannot be laid at all without them. They are therefore usually neglected by the bituminous rock contractors, and they are never neglected by the asphalt contractors.

Operating in Texas.

One of the largest and most successful companies operating in the state of California is the Standard Oil Promotion and Investment company. This company is dealing in oil stocks and properties and by successful transactions they have, during the past six months, made more money for their many investors than the majority of companies in the field.

The company have acquired some valuable property in Texas and have begun active operations in that district which, owing to the great excitement prevailing in the southeastern portion of the state, and the wonderful advance in price of land, gives them an opportunity of transacting some very profitable deals.

The leading feature of the Standard Oil Promotion & Investment company is the fact that each investor shares in the profits of the company and the investor who places with them but twenty-five dollars receives the some proportionate profits as the investor with ten thousand dollars.

The plan is entirely co-operative and seems to be the best and most profitable of investing in oil stocks on the market today.

The company is at all times willing to give free information regarding their method of investment and solicits correspondence relating to all matters pertaining to oil.

Letters from their investors come to this office at various times and the company is spoken of in the highest terms; many people claiming to have made their first successful investment through the Standard Oil Promotion & Investment company.

Investors seeking a first-class, safe and profitable investment will do well to apply to the company whose advertisement and address appears on another page of this paper.

Gray's Harbor Oil Fields.

The oil excitement is at fever in Hoquiam, Wash., according to a REPORTER correspondent, and companies are being formed for the purpose of developing the near by oil lands. Large blocks of stock are sold daily and those interested are confident that there will soon be producing wells in our vicinity. Oil experts who have examined the territory state that oil indications are as favorable as any in California. The oil seepage in places is very pronounced and a thorough analysis shows that the oil has a paraffine base.

The Olympic Oil company have derricks up on North Beach and will commence drilling on the 18th inst. The Copalis Oil company, Hoquiam Oil company and Great Northern Oil company are putting up derricks at different points around the harbor and will commence drilling in a short time. Six other companies have secured land and are having articles of incorporation drawn up with the expectations of putting stock upon the market and doing legitimate development work.

Pacific Coast Manufacturing Co.

Successors to

Boothe Manufacturing and Supply Company

126-128 South Los Angeles street

LOS ANGELES, CAL.

OIL WELL MACHINERY Drills, Tools and Supplies of Every Description

Everything necessary to drill and operate oil or water wells. Complete plants furnished and installed.

Steam and Gasoline Engines

Boilers, Pumps and Air Compressors.

LEWIS, RANK & YOUNG

Pacific Coast Securities . . .

Stocks Bonds Mines

Oil Lands and Ranches

45 Sutter St., San Francisco, Cal.

TELEPHONE, BUSH 209

If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

Commercial Oil and Realty Co.

Capital $1,000,000. Par value $1.00. Shares 1,000,000. Incorporated under the laws of Arizona. All stock fully paid and non-assessable. 24,000 acres patented land. Will give long time option without cash payment.

Water and Oil Pipe Lines, Storage Tank, Refineries

Same plan as Standard Oil Co, which has paid its stockholders millions of dollars. Shares 25 cents each. We want you to represent us. Write us.

212-213 Fifth Floor Parrott Building, San Francisco, Cal.

California Oil Syndicate

INCORPORATED UNDER THE LAWS OF ARIZONA THEREFORE THE STOCK IS ABSOLUTELY NON-ASSESSABLE

Capitalization, $500,000. Par Value of Shares $1

520 acres of land in three best oil districts in California

Coalinga
McKittrick
Sunset

The company is selling a limited number of shares for development purposes at

25c Per Share

Rooms 486=487 Parrott Bldg.

San Francisco, Cal.

Standard Rock Oil.

Among the companies operating in the McKittrick district mention should be made of the Standard Rock Oil company, which has property in 1, 30-21, adjacent to some of the largest producers in the district. Their lands have been experted by Colonel M. M. Ogden and others, and pronounced to be fully equal in value to any location in the McKittrick district as oil-producing territory.

The directors of the company are well-known business and professional men, which insures a careful, conservative management.

The company is organized under the laws of Arizona, making their stock non-assessable. A limited amount of development stock is being sold at twenty cents per share.

The offices of the Standard Rock Oil are at 475-476 Parrott building, San Francisco.

California Oil Syndicate.

A recent incorporation is called the California Oil Syndicate. Organized under the laws of the territory of Arizona, making their stock non-assessable, this company has acquired over 520 acres, distributed in the best known districts, namely, Coalinga and Oil City, McKittrick and Sunset. In all of these districts are many large producers. They are districts which are too well known to need booming, the fact that a company is situated in any of them being guarantee enough.

The company has put aside 250,- shares of treasury stock which is now being sold at twenty-five cents to provide funds for development. Rigs are being contracted for and work will be pushed as rapidly as practicable.

The offices of the company are at 486-487 Parrott Building, San Francisco, Cal.

Gold Bonds.

Bonds drawing from two to four per cent per annum, interest payable semi-annually. These bonds mature in ten, fifteen, twenty, twenty-five and thirty years. Every bond issued is protected by first mortgages, placed in trust with the California Safe Deposit & Trust company, The Trust company certify on the back of each bond that they have ample security in trust to protect the bond. Back your stocks with these bonds and you can sell them. Companies incorporated under any state laws desired.

Attention is called to the vindication published by "Bonds and Mortgages" in their issue of April 15, 1901, and reprinted in the last issue of the PACIFIC OIL REPORTER.

Call or address,
Pacific Coast Underwriting Co.,
507-8-9 Parrott Building.

The Southern Pacific oil expert has just reported that in the Kern river fields there are 104 producing wells. Their total daily product after the head has been pumped off is 8910 barrels, and not 40,000 and 60,000 barrels, as has been claimed. There are sixty-four wells being drilled, and there are thirty-nine well rigs ready to begin drilling. The total tankage of the Kern district is now about 561,000 barrels.

OIL LANDS

General Agency for Oakland and Alameda Real Estate.
Oil Lands in proven districts
Appraisements made. Full charge taken of property.

The E. P. Vandercook Co.

1016 Broadway, Oakland.
San Francisco Office, Room 30, 2nd floor Mills Building.
Telephone, Main 285

Buy Pacific Petroleum

This is good advice because Pacific Petroleum Company, Limited, is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the purpose of the

PRODUCTION OF OIL

The lands of this company are located in the Devil's Den Oil District of Kern county, where a much higher grade of petroleum has been developed than is found in the famous Kern River fields, and are pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, **WE ARE ACTUALLY AT WORK.**
We have no promoters' stock, and are selling only treasury stock, EVERY DOLLAR of which goes into the development fund, which is held intact to pay for drilling operations ONLY.

A Block of 1000 Shares for $50 Cash is our "ground-floor" offer. This is an opportunity for you to share in the profits of a well-located and entirely legitimate oil enterprise. This is a sure and safe investment. Buy now. Send all applications to

PACIFIC PETROLEUM CO., LIMITED,

PAUL R. LEWIS, Secretary.
210 Hearst (Examiner) Building, San Francisco, Cal.
Do not delay to-day and regret to-morrow.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."
The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

Safe Investments

INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order NOW and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

MOSTELLER & ALLEN, Brokers
565-566 Parott Building, San Francisco
Send postal for "Oil Facts and Figures," now in press.

Western Oil Association.

The Western Oil Association is showing great activity and is losing no time in developing their many tracts of valuable lands in Kern, Fresno, Contra Costa, San Diego and Monterey counties The directors have ordered work commenced at once on Well No. 1 and contracts let for three other wells, being thoroughly convinced that in a short time they will have oil in very large quantities; 300,000 shares of the capital stock have been placed in the treasury for development purposes, and a limited number of these shares are being offered to the public at ten cents each.

Investors can certainly not go amiss by embracing the present opportunity to secure a block of this valuable stock for a bright future is certainly in store for the Western Oil association.

A Very Strong Company.

It is gratifying to find occasionally among the numerous oil propositions before the public one that is in every way entitled to the confidence of the people. Such is the Mutual Oil Union of Arizona, incorporated under the laws of the Territory of Arizona, April 6, 1901. There certainly could not be an organization moulded upon sounder business principles, nor could the property of the Mutual Oil Union be situated more advantageously. It is directly in line with the largest producers of the famous Coalinga field, and only a section of land dividing it from the Confidence wells. Water can be obtained in abundance on the property, as the Los Gates Creek runs through the western half of the land, and as for means of transporting the oil to the consumers, the Mutual Oil Union is indeed fortunate, a good wagon road passing their holdings and running over very light grades to the railroad station at Coalinga, two and one-half miles distant. For a safe, profitable investment the stock of the Mutual Oil Union should find a ready market, commending itself to the prudent investor. Their land is the N ½ of N ½ Sec. 13, T. 20 S., R. 14 E., M. D. M. Refer to any good map of the Coalinga district for corroboration.

South of the River.

Well No. 1 of the Spring Oil company, on 11, 29-28, has been perforated and is pumping from 75 to 100 barrels per day. Arrangements have been completed for No. 2 which will be started within a short time. This company is under the management of Messrs. Orr & Meracle, a conservative firm of oil and oil land brokers, having offices in the Chronicle Building, San Francisco, Cal.

Patents Relating to Oil and Gas.

The following patents granted during the past month, relating to oil and gas, are reported especially for the Petroleum Gazette by J. M. Nesbitt, Patent Attorney, Park building, Pittsburg, Pa., from whom printed copies may be procured for 15 cents each:

Deep-well pumps, C. L. Parker Los Angeles, Cal.; Nos. 669,589 and 669,590

Oil can faucet, Wm. Laudahn, San Francisco, Cal.; No. 670,136.

Rope socket, C. F. Rigby, Mannington, W. Va.; No. 670,328.

Casing elevator, J. J. Davin, Washington, Pa.; No. 670,704.

Oil washer and filter, C. R. Morgan, Akron, O.; No. 671,054.

Process of making or improving wells, J. E. Bacon, New York, N. Y., assignor to the Bacon Air Lift Co., of New Jersey; No. 671,429.

Polish rod grip, W. J. Beighey, Whitestown, Pa.; No. 671,749.

Band wheel for well digging apparatus, C. L. Bloom, Independence, Kansas; No. 671,751.

In San Bernardino.

W. A. Fourness, who is managing the Western Oil and the Manchester & Liverpool Oil companies, has large land interests in San Bernardino and other fields.

He says: "There are no less than eight Standard rigs being erected in close proximity to our lands in San Bernardino county. It is a field which bids fair to rival the famous Kern River field if surface indications mean anything. A company drilling with an hydraulic rig struck a strong seepage of light oil at a depth of four hundred feet, a few miles northwest of Barstow, and are now putting up a Standard rig, and will push development rapidly."

Mr. Fourness has offices at 227, 228 and 229 Parrott building, San Francisco.

Atlas Pipe Wrench.

The Atlas Pipe Wrench company of New York and San Francisco will have a complete exhibit of pipe wrenches in the coming Pan-American Exposition at Buffalo, New York.

All sizes of the wrench will be on exhibition and a practical demonstration of the same will be given by an expert workman. All the uses to which the pipe wrench is put, by the steamfitter, plumber, engineer, and all other users of pipe wrenches, will be shown by the workman, and the superiority which is claimed for the Atlas Pipe Wrench will be shown at all times to those visitors interested in pipe fitting and the advances made in tools for that purpose.

Quality of the steel used in the manufacture of the Atlas Pipe Wrench, and the finish and workmanship, will be shown in wrenches in their various stages of manufacture, from the "Bar Steel" to the "Finished Product."

Atlas Pipe Wrenches are now on sale by hardware, plumbing and oil well supply dealers throughout the United States and Europe.

25 Cents Per Share

One Well started, with Two Others contracted for

25 Cents Per Share

THE KERN VALLEY OIL CO.

Incorporated with a strong directorate under the laws of South Dakota. Capital stock 500,000 shares. Par value $1 per share. 200,000 shares in the treasury. Stock non-assessable.

Has 6,60 A cres Approved Oil Land

in best districts: Kern River, Sunset, San Diego, Poso, Glenn County. Will have a drill going on the lands in thirty days. Two other wells contracted for. We own 2670 acres in the celebrated Cottonwood district, Kern Co., Cal. Oil lands for sale or lease on most reasonable terms.

Write at once for full report and maps, and all information to

THE KERN VALLEY OIL COMPANY

OF CALIFORNIA

Room 13, 5th Floor, Mills Building,

San Francisco, Cal.

STOCK Non-Assessable

A Few Reliable Agents Wanted on the Coast and in the East

STOCK Non-Assessable

Oil Companies Incorporated.

California Consolidated Oil company. Principal place of business, Phoenix, Arizona, with branch offices in San Francisco and Bakersfield. Directors: J R F Mershon, W H Hibbard, J H Crothers, T P Boyle and F E Harman. Capital stock, $500,000.

Humboldt Paraffine Oil & Development company. Principal place of business, Phoenix, Arizona, with branch office at San Francisco. Directors: C H Packer, H H North, P McDonald, M F McShane and H E Monroe. Capital stock, $400,000.

Fremont Oil company. Principal place of business, Los Angeles. Directors: G R Edwards, J C Lewis, C A Neil, D F Wilson, D L Churchill, J V Akey and W C Batcheller. Capital stock, $600,000; subscribed, $1,400.

Williams Oil company. Principal place of business, Williams, Colusa county. Directors: J W Burn, R W Herrin, G A Ware, A Schaad, G C Comstalk, J M Stovall and J F Fouch Capital stock, $200,000; subscribed, $3,500.

Foreign: Contina Land & Oil company. Place of business, Phoenix, Ariz. Directors: M J Boggs, G K Ford, G F Scott, R Tannett, C W Tuttle, I G Zumwalt, Colusa, and G B Harden, Maxwell. Capital stock, $500,000; subscribed, $1,760.

Foreign: Areola Extension Oil company. Principal place of business, Phoenix, Arizona. Directors: D T Ham, Latah, Wash.; W B Moore, F H Hanson, Bakersfield, Cal.: L H Bartlett, Boston, Mass.; L B Doe, San Francisco. Capital stock, $300,000.

Houseman Oil company. Place of business, Chico. Directors: R P Houseman, C B Swain, F C Williams, R White, H Silberstein, V C Richards. C H Deuel, all of Chico. Capital stock, $300,000; subscribed, $1000.

New Richmond Oil company. Principal place of business, Fresno Directors: D R Evinger, Sanger; J F Rouch, Kingsburg; A D Smith, J C Vaughn, Fresno; J M Pugh, Fowler. Capital stock, $200,000; subscribed, $75.

Tehama County Petroleum company. Principal place of business, Red Bluff. Directors: J A Owen, H P Stice, D B Lyon, P Stoll, F G Sommer, M R Hook, P O Thomas, W A Fish, W F Luring, all of Red Bluff. Capital stock, $250,000; subscribed, $26,000.

West Range Oil & Gas company. Principal place of business, Paskenta, Tehama county. Directors: J L Barham, Red Bluff; J A T Scribner, Orland; M Bailey, Newville; C Phelps, S M Carrinton, D J Oaks, William Martin, Z F Dwyer and J B Morrissey, Paskenta. Capital stock, $500,000; subscribed, $9.

Arbuckle Oil & Mining company. Principal place of business, Arbuckle, Colusa county. Directors: J C Ball, Woodland; C J R Ballard, J H Duffield, J N Fowler, J W McDonald Arbuckle; C D Stanton, San Francisco; W E Brasfield, College City. Capital stock, $500,000; subscribed, $120.

Daly Oil company. Principal place of business, Los Angeles. Directors: J E Daly, Glendora; J M Davis, B M Davis, A B Mulvane, W H Davis, Los Angeles. Capital stock, $200,000; subscribed, $50,000.

Table Mountain Oil company. Principal place of business, Fresno. Directors: A E Sexton, V B Webb, Pollasky, C H Cobb, J M Cobb, Fresno; R E L Cobb, Clovis. Capital stock, $25,000; all subscribed.

Kern Valley Oil company. Principal place of business, Bakersfield. Directors: F W Mitchell, J A Hughes, W James, T P Robb, G W Price, all of Bakersfield. Capital stock, $250,000; subscribed, $10,000.

South Star Oil company. Principal place of business, Oakland. Directors: I Goldwater, A M Griesser, J C Gibson, L Gottheim, W N Kennedy, H Emanuel, J A Larrabee, G W Hutchings, A McDonald, all of San Francisco. Capital stock, $500,000; all subscribed,

The Success Oil company (Foreign). Principal place of business, San Diego. Directors: H E Mills, W H Holcomb, N M Goodwin, W H Mouser, J C Hizer, all of San Diego county. Capital stock, $350,000.

Gibson Oil company (Foreign). Place of business, Pierre, S D, with branch office at San Francisco. Directors: F N Rose, W S Baggett, M W Fox, San Francisco; D Jones, Lower Lake; R E Starr, Oakland. Capital stock, $1,000,000.

Lustro Oil company. Principal place of business, Randsburg. Directors: S H Fairchild, A C Nelson, T C Silvertsen, T W Johannesburg, J H Pearson, C W Crusoe, R H Upton, Randsburg. Capital stock, $1,000,000; subscribed, $900.

Bolina Oil company. Principal place of business, Kansas City, Jackson county, Mo. Directors: D G Sanders, L B Price and I P Ryland of Kansas City. Capital stock, $160,000; fully subscribed.

Hecla Oil company. Principal place of business, Kansas City, Mo. Directors: D G Sanders, F W Vaughan, L B Price and I P Ryland. Capital stock, $130,000; subscribed in full.

Pacific Fuel Oil company. Principal place of business, Phoenix, Ariz. Directors: S E Slade and B Corbet of Fair Oaks and E C Finch of McKittrick. Capital stock, $500,000; subscribed, in full.

Alva Oil company. Principal place of business, Kansas City, Mo. Directors: D G Sanders, F A Jacobs, L B Price, I P Ryland and C L Van Fossen. Capital stock, $160,000; subscribed in full.

Morgan Valley Oil company. Principal place of business, Knoxville, Napa county. Directors: J Moore, J A Ansel, M Mortenson, J C Smith, W E Seblow, O A Childers and W C Cook. Capital stock, $200,000; subscribed, $35.

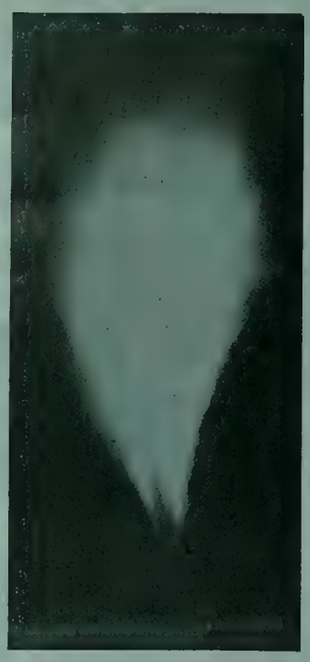
Temple Bar Oil company. Principal place of business, Fresno. Directors: T J Duncan, W L Flannagan, F M Hague, G E Burwell and C H Cobb. Capital stock, $2,400; subscribed in full.

Daily News Publishing company. To do a general publishing business. Principal place of business, San Francisco. Directors: H B Crocker, C Ulrich, G H Bartlett, C A Lee, W D Wasson, all of San Francisco. Capital stock, $10,000; all subscribed.

SOUTH DAKOTA CHARTERS, $30
STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

Corning Oil and Gas Co.

Of Tehama County, Cal.



Offers for sale 10,000 shares of stock for development purposes at

50c Per Share

CAPITAL STOCK - - $100,000
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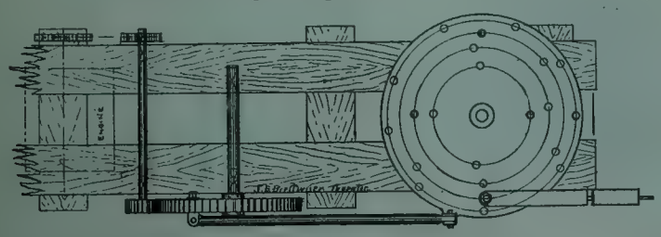

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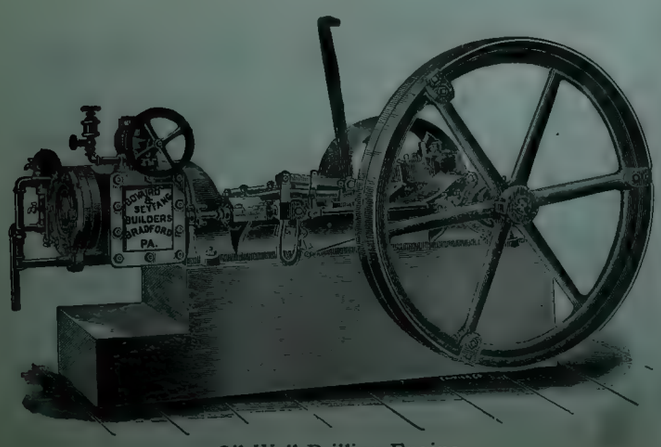

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ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOLDEN REWARD OIL & DEV. CO
Capital.....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice president, J B Medina, secretary, C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street. San Francisco, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000.000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GRAND PACIFIC OIL CO.
Capital..... $1,5000,00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal.

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 3 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 53 Thurlow block, 126 Kearny st.
Chicago office—Marquette bldg; J S Purdy, agt.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 6[illegible] Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Ed. win R Lawson; secretary, Dr. F. Plymire. Directors —W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MULBERRY OIL COMPANY.
Incorporated March 5, 1901, under the laws of the Territory of Arizona. Stock non-assessable. Capitalization $500,000 divided into 100,000 shares par value $5 each. This company owns 260 acres on the San Benito River in the San Benito district. Oil found in this district is of the best paraffine base. Officers—Edward Bowman, President; Richard Keller, 1st Vice-president; B. Struven, 2nd Vice-president; S. M. Snyder, Secretary and Treasurer; H. G. Davis, Attorney. Directors—Edward Bowman, Richard Keller, B. Struven, S. M. Snyder, H. G. Davis, C. M. Depew, M. B. Ryer. Offices—927 Market St., rooms 218, 21

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
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OHIO OIL COMPANY OF SAN FRANCISCO
Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE.
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Cokling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
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Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No 17 Galtes block. Bakersfield. Cal.

SALINAS OIL AND DEVELOPMENT COMPANY. Incorporated October 9, 1900. Capital, $1,000,000. Number of shares 1,000,000. Land, 2000 acres, in Monterey county. Officers and Directors—President, Wm N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office—Rooms 573-574 Parrott Building, San Francisco.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital $500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson-Maurice V. Samuels, Attorney; Union Trust Company, Depository. Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
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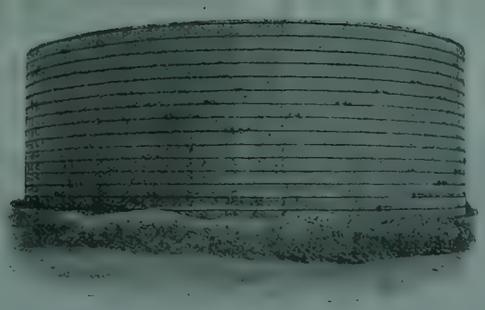

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VOLUME 2 NUMBER 25

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MAY 3, 1901.

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Operations Will Begin at Once in the Heart of the Kern River District

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PACIFIC OIL REPORTER

VOL. 2. NO. 26. SAN FRANCISCO, CAL., FRIDAY, MAY 3, 1901. PRICE, TEN CENTS

COALINGA FIELD EXTENDING.

History of the Growth of the Most Noted Oil Territory in the State.

Probability that Another Year Will See the New Sections Equal the Old in Production—How Transportation and Water Supply Are Provided For.

Coalinga—the first and most northerly of the great producing field of the San Joaquin, where were found the great flowing wells whose reputation brought such an impetus to the California oil industry—is the only field in Fresno county that is shipping oil, though there are others which promise much when fully developed. The Coalinga field has the advantage of being fairly accessible, being at the terminus of the branch of the Southern Pacific which leaves the main line at the little junction town of Goshen, and goes west to Coalinga through Hanford. The train is what is called a "mixed" train, composed of oil and freight cars with one or two passenger coaches in the rear. The only station of any importance west of Hanford is Huron, the shipping point to the Kreyenhagen field, where there is a little business with the sheep and cattle men of the West Side. The road was originally built to the coal mines of Alcalde, a short distance west of Coalinga, but the coal was too soft to be used at a profit and the mines were discontinued. As there was nothing else to make business for the railroad in this territory it is likely that the service would have been abandoned if the oil discoveries had not been made when they were. The oil tanks and stand pipes of the Union Oil company, which handles the entire Coalinga output through their pipe line, situated at Ora, a siding located a short distance east of Coalinga, the real terminus of the line. Coalinga was formerly one of the sleepiest of rural towns in a late stage of decadence, but the oil boom has given it a new lease of life. Gas and water works have been put in, new buildings are being erected, oil supply houses are opening offices, and the town shows considerable activity. The producing oil territory lies in the hills, nine miles north of the town. The road runs over a level tract of country which would make good farming land were it not for the scarcity of rainfall, as the dry seasons often last for several years. At the mouth of the canyon is the great white 30,000-barrel storage tank of the Union Oil company, where the oil is accumulated from the wells on section 20 and sent through the pipe line to the station. The first producing wells in the present field were drilled by Chanslor & Canfield on section 17, 19-15, M. D. M., located on the upper part of a V-shaped piece of ground and lying along the little creek which drains this part of the field. Previous to this a few light producers had been drilled by Rowland & Lacy of Los Angeles to a depth of about 400 feet, and the Producers and Consumers Oil company of Selma, under the direction of J. A. McClurg, had put two wells down 700 feet on section 20, which gave an output of about 20 barrels each of a 34 gravity oil. In 1896 Chanslor & Canfield leased the ground of the Producers and Consumers in section 20, and a short distance east from the old wells struck a 300-barrel flowing well at a depth of 900 feet. This was the beginning of the Coalinga oil boom. Mr. Canfield had previously made a good deal of money in mining ventures, but much difficulty was experienced in securing funds to proceed with prospect work. After this strike development was pushed vigorously on this section under the name of the Coalinga Oil company, which is now drilling No. 11 on this section. Work on this well is temporarily checked by a fishing job. The wells are from 300 to 1450 feet deep and the output is from a barrel a day up to 200. The only company besides Chanslor & Canfield which has any large production on section 20 is the Home Oil company of Selma. Chanslor & Canfield were at one time interested in this company, and put down some of the wells, but sold out their interests. The most noted well of this company is their No. 3, known as the Blue Goose, which started to flow at a rate reported at 500 to 1000 barrels a day. The truth about the production of this famous well is not accurately known, as at the time it was brought in tankage was scarce, and the well was only permitted to flow occasionally.

At the present time the output is placed between one and two hundred barrels daily. Probably one hundred and eighty barrels daily would be a good average.

The derrick of No. 4 was burned down by the flame of escaping gas, and the oil spouted in the air until it was capped and closed.

Home Company has seven producing wells which were originally flowing wells, but the sand has choked them up and it has been found necessary to put them all on the pump. These wells produce from 20 barrels a day upward and range in depth from 1100 to 1680 feet, in dark shale formation. The filling up of the wells and the scarcity of cars have affected the output of this company. Last month their wells produced 12,000 barrels, and the month preceding 20,000. Drilling has been abandoned on their well No. 8. The company has a storage tank of 35,000 barrels capacity.

The wells of Chanslor & Canfield on 17 and 20 are run by a pumping power supplied with an engine running by natural gas.

Gas is also used to furnish the power for pumping the Home wells, and furnishes fuel and light for the boarding camps. The great gas flares which light the men while at work at night, especially in the fog, gives a strange appearance to the surrounding country.

The oil from this part of the field averages 33 gravity and is of a light green color. Although many attempts have been made to refine this oil for illuminating purposes, they have not been successful, as the resulting distillate contains so much gasoline and the lighter petroleum products that it does not meet the fire test requirements. It is, however, an excellent gas oil. and practically the entire product is disposed of to the gas companies for this purpose at about eighty cents a barrel.

On the East half of this section, just over the line from the Home company, the Blue Goose have drilled 2200 feet without striking oil. There are 1800 feet of water in the hole, and the pressure is enormous. An attempt to pump it out caused the casing to split, and the well will have to be abandoned. A meeting of the stockholders will be held on the 10th of May to decide whether another well shall be sunk. The formation is dark shale, similar to the Home wells. Just over the line dividing the northern and southern halves of the section is the New York, which has abandoned a dry hole at over 2000 feet; the Selma, also abandoned at about 1800 feet, and the Mutual. Strange to say, the Phœnix, on 20 acres south of the Selma, has found oil in two wells at a depth of about 500 feet. The Crescent, on the

The Coalinga Field. General View of Operations on Section 20. On the Extreme Left are the Chanslor & Canfield Wells on 17. Adjoining Them Are the Coalinga Oil Company's Wells on 20. The Home Oil Company's Wells are on the Right Background; the Selma and New York on the Hills on the Extreme Right.

section adjoining on the south, also has oil, and is now engaged in deepening their well. This is apparently from the edge of the Middle Neocene formations overlying the silicious light-colored shales, which have proved so productive in section 28.

In the early days of the Coalinga field many companies had the same experience as the Selma and New York, and prospected around the margin of the field without success and at a very heavy expense. Such wells were the Independent on 17, 1580 feet deep; the Old Keystone (Union Oil company) 1150 feet on section 8; and the Investment, 1700 feet on section 16. The inference from this work was that the field could not be extended, but the Independence began drilling in February of last year on forty acres in the NE of section 28, on ground belonging to the Hanford Oil company, which owns the whole section. This company struck a 32 gravity oil at about 800 feet and now has six wells, from 800 to 1000 feet deep, which average 60 barrels a day on the pump. On the same quarter the Twenty-eight Oil company has four finished wells, and has discontinued drilling for the present. The production of the wells will average 40 barrels each, and the oil is of about 22°. The depth runs from 750 to 900 feet, the deepest on this property being 970 feet. This company leases from the Hanford and sub-leases to the Independence on ⅛ royalty.

On the extreme edge of the field, out in section 22, the Caribou has three wells completed, of which No. 1 is a water-well and Nos. 2 and 3 are producing. These wells are estimated by the company at 150 barrels each. The water-well will be abandoned, and the others deepened to 900 feet. No. 4 is now spudding. On the same section the Montjack went down 300 feet and got a crooked hole, and the Merced drilled 1000 feet, but neither is working at present.

Directly south of the Twenty-eight, the Oil City Petroleum is developing a quarter-section. This company has four wells, of which No. 3 is an exceptionally good producer, being rated at 200 barrels daily, and the others are average. Development on the west half of the section have as yet been light, but it is likely that the coming summer will see much work. The Hanford has put down a well to a depth of 921 feet on its holdings, said to be a 200-barrel well producing 24 gravity oil, and is down 600 feet on No. 2. The Fauna has a well on forty acres in the NW quarter which is estimated at forty barrels. On the southwest corner the California Rock Oil has an unfinished well 1100 feet deep which struck an oil of 12 gravity at 1000 feet, and are now preparing to drill No. 2.

Some development is going on southeast from here. On 34 the Star is drilling and is now occupied with a casing job. The Carmelita is down 1100 feet on section 2, and the Double Eagle will soon drill on the adjoining section. Development is also active in a line southwest from section 28, and considerable oil has been struck. On section 32 the Wisconsin, Corona, Call, and Ajax have been drilling. The Corona recently had trouble with a lost bit but is now down about 700 feet.

On section 31 the Maine State recently struck oil on the East half on property belonging to McNear. The Confidence has three wells in oil and has finished No. 4 on the west half. The Producers and El Capitan are also drilling on this section.

Just across the section line on 30 the Ætna company struck oil recently. The well is close to the Confidence wells, though not in the same line, and is down between 800 and 1000 feet.

The Golden State in section 30, north of the Confidence and Producers' Guarantee, is now down on their No. 1 about two hundred feet.

The Coalinga Standard Oil company has a rig on the ground leased from the railroad on 25 per cent royalty, and a well is down 400 feet. It is east of the Confidence and south of El Capitan, where a well is now being drilled 100 feet from the line. To the west is the Roanoke company, on section 36, whose well is also in course of being sunk; and on the south are the Crude Oil and Esperanza companies, on section 6, who are also drilling.

On 36, adjoining on the west, the Roanoke and Santa Clara are drilling, the latter with plenty of gas and other indications. Just south of this the Mercantile Crude has oil on the NW ¼, and the Esperanza on 80 acres in the southwest. On section 1, adjoining on the west the Fresno & San Francisco and the Fresno & Sacramento have rigs up. Other companies are scattered through the hills and in adjoining fields.

The Coalinga Field. Operations on Section 28, the New Part of the Field. In the Foreground are the Wells of the Twenty Eight Company; the Independence are on the Ridge.

The shipping of oil from Coalinga is greatly facilitated by two pipe-line systems of the Pioneer Pipe Line company, another name of the Union Oil company, which has two pipe lines. One of these, about nine miles in length, extends from the Chanslor & Canfield and Home wells on section 20; the other about eight miles long, runs from section 28 and carries the heavier oil from that part of the field. The companies on 20 formerly marketed their oil under the name of the Coalinga Oil Association, but at the present time each markets on its own account. The oil brings about 80 cents a barrel. The oil on section 28 is purchased and marketed by the Union Oil company under contract prices ranging from 60 to 80 cents a barrel. The shipments have been checked by scarcity of cars and all the tankage has been full to overflowing, but there have been more cars lately and shipments are freer. At the present time the railroad is taking out twenty cars a day. For the past two years the shipments have been as follows:

SHIPMENTS FROM COALINGA.

MONTH	1899 CARS	1900 CARS
January	87	239
February	136	217
March	194	265
April	163	226
May	271	258
June	402	252
July	306	256
August	381	300
September	367	267
October	296	204
November	275	164
December	271	200
Total cars	3194	2828

The question of water supply for steam purposes has been a vexed one for the Coalinga operators. Chanslor & Canfield found water on their property at a depth of about 800 feet. Other early operators were supplied by the water wells sunk by J. A. McClurg about six miles southwest of Oil City. Water was struck at about two hundred feet, and the supply is forced to the oil-fields through a three-inch pipe by a big Dow pump to an elevation of nearly 300 feet. About 15,000 barrels of water per day are consumed in the field, and this company supplies twenty-five rigs at the rate of $125 per month for each rig. Another water company is the Coast Range, which has a plant on section 12. It can pump 105,000 gallons in twenty hours, and even this supply is insufficient for the rigs in the western extension, and the company has begun work on another well. Another company in which Robertson & Rawlins of Hanford are interested are sinking a water well in section 18 for the benefit of operators in the western extension. The Mercantile Crude has struck water sand at 300 feet, and is preparing to put in a pumping plant to supply themselves and adjoining companies.

The advent of foreign capital to the Coalinga field has been a notable feature of the present year. An English syndicate represented by Balfour, Guthrie & Co. of San Francisco, had an option on the holdings of Chanslor, Canfield & Co. on section 20 for a million and a quarter, but the option expired on January first of the present year without being taken up. The same agents carried through a deal for the purchase of the holdings of the California Oil & Gas company, consisting of sections 9, 15, 19, 21, 29, and 27, for a purchase price in the neighborhood of $800,000. This company, under the name of the California Oil Fields Limited, is preparing to put down a number of wells on the

south of 21 and other parts of its holdings. W. M. Graham is the superintendent.

The geology of this field presents some features of marked practical value for the prospector. The producing wells on 20 draw their oil from sandstone imbedded with dark-colored shales, classed as belonging to the Eocene age, and rest on concretionary sandstone also Eocene.

similar to that on 28 will be found for some distance in that direction. As a better understanding of the conditions attending the development of this field are brought out, it is probable that the limits will become more distinctly defined, and that operators will be able to proceed with a full knowledge of what may be expected. The exploitation of section 28 has brought out the possibilities of a southern

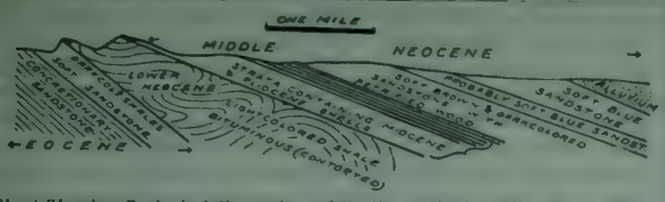

Chart Showing Geological Formations of Coalinga District. The Eocene Formations on the Left Yield the 34 Gravity Oil on Section 20 and on the Right the Middle Neocene of Section 28 Give a Heavier Oil.

The unproductive light-colored silicious shales of the northwestern part of the field, in which dry holes were drilled by the Keystone, Investment, and other companies, are classed as Lower Neocene, and the formation which supplies the new fields in section 28 with a heavy gravity oil belongs to the Middle Neocene. The dip in this locality is 25° in a direction east of south, which would indicate that an oil

extension, and from present indications it would appear that this will become ultimately the greatest producing section of the Coalinga field. It is a pretty safe forecast that Coalinga, instead of having seen its best days, is coming to the front as one of the great factors in California oil production, and that its period of greatest development is still far in advance of anything so far seen.

30,000-Barrel Oil Tank Used in Coalinga.

Los Angeles Stocks.

The week ending Saturday, the 27th, was one of the most active in stock trading in the history of the Los Angeles Exchange. During the six business days of the week a total of 163,380 shares changed hands, which is far in excess of the average trading for some weeks past. This augmented trading is due largely to the new rules which went into effect last Monday, under which account trading is permitted. While a fair percentage of the trading was done on this basis, it is also a noteworthy fact that regular trading was much heavier than during former weeks.

The general tendency of prices has been slightly downward, with considerable weakness in the case of several securities. Pacific Slope registered the largest volume of business, and was also the greatest sufferer from bear raids, that stock having declined from 5 to 3 cents, closing at the latter figure on Saturday. The depreciation of price in this particular security was undoubtedly due to the unloading of great quantities of what is popularly termed "promoters' stock." Westlake, the next heaviest trader on the board, has fallen off half a point, closing Saturday at 18¾. Reed Crude has not been particularly active, although many thousands of shares were handled at slightly reduced figures, the lowest sales having been made at 46c. Whittier Consolidated has been in good demand at 4c., some stock being sold at that figure. Considerable show of strength has been made by Globe, which now stands 27c bid and 31 asked. Columbia went under the hammer at 28¾; 94c was the last selling price for Continental, closing strongly at that figure with none offered at less than 98c. This is an advance of two points over former sales. Fullerton Oil stands one point to the good, the last sales being at 11c. United Petroleum holds its own at $130 per share.

Mining stocks have showed little or no activity. On the other hand, bank securities have been dealt in more extensively than at any previous time since they were listed on the board. The several bank stocks which have found a market commanded slightly better figures than earlier quotations.

An adjustment of the present unsettled state of the petroleum market is soon expected, when an advance in oil stocks may be seen all along the line.

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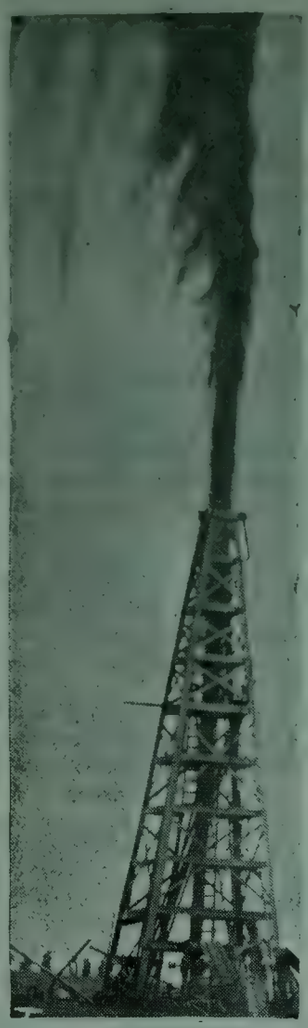

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Before placing this stock on the market the directors have secured the properties and furnished funds to purchase two rigs. Actual drilling will begin this month. Are you interested? Then call or write for prospectus.

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The Florence Oil Company
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The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

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FRIDAY, APRIL 19, 1901.

Good From Evil.

The truth of the saying that "It's an ill wind that blows nobody good" is being demonstrated just now in the oil business.

Bakersfield oil is bringing an absurdly low price. It is being sold in San Francisco at seventy-two cents a barrel in car-load lots and even at lower figures. As the railroad charges, together with the few extra expenses that are always cropping out at the last minute are very nearly if not quite fifty cents a barrel, the producer receives the low price of from twenty-two to twenty-five cents a barrel. This price is too low. Oil cannot be produced and sold at a profit at this figure. The average Kern county well will not produce 100 barrels a day. If an oil well could be drilled for a few hundred dollars, if the machinery cost little or nothing, if there was no casing to buy, if it cost nothing to pump the oil, if there were no storage tanks to build or pipe lines to construct, if there were no salaries to pay, if the output of a well did not decrease after years or months of pumping—if it were not for these and similar considerations the Kern county producers could afford to sell at twenty-five cents a barrel.

But facts are facts. It costs something to drill a well, and there are many expenses to be met before the oil is in a tank car and ready for transportation. No company can afford to sell oil at twenty-five cents a barrel and expect to pay a dividend. A company that sells oil at this figure should be regulated to the fakir class. It must be in a bad plight financially, and willing to make any sacrifice in order to obtain a little ready coin. The end of such a company is not far off, and the evil it has done is not confined to itself but extends to the oil industry generally.

But what good has resulted? Simply this: A large number of manufacturers are today using oil for fuel or are about to use it who could not have been induced to incur the expense of changing from coal burning to oil burning furnaces had not the price of oil been put so low as to enable them to make the necessary changes and experiments and still save money.

At least thirty steam users about the bay changed from coal to oil as fuel during the the month of April, and probably 90 per cent of these were induced to change on account of the low price of oil.

That is the only good that has come from the present ruinous competition among the oil producers. This is not at all commensurate with the evil that has resulted. The oil stock market has been the worst sufferer, and the only consolation is in the fact that the companies who have been selling oil at such low prices have seen a corresponding decrease in the price of their stock.

The end of low prices for oil is near at hand. The experiment has been tried and found unsatisfactory. Meanwhile now is the only opportunity that will be presented probably for years which will enable prospective oil consumers to make contracts for oil at figures that are ridiculously low.

Oil Well Supplies Made at Home

The rapid growth of the oil business in California has made the sale of drilling machinery and supplies a profitable business. Up to the present time the great Pennsylvania house which manufactures so much of the Eastern oil-well machinery has been doing a boom business in California, but local manufacturers are awakening to the fact that there is money to be made in this line of goods and are beginning to reach out for it. A Los Angeles paper states that the trade in oil-well supplies in that city alone reaches one million dollars annually. From twenty to forty new oil companies are incorporated every week, which should average one rig apiece, at a cost of say three thousand dollars, or a total of over three million dollars a year. This does not allow for machinery purchased by old-established companies and private firms and individuals.

The profits of this business have attracted much attention from Los Angeles manufacturers who have the advantage of proximity to the fields and some knowledge of the requirements of the oil men. The Lacy Manufacturing company of Los Angeles for example is building a large number of iron storage tanks for the Standard and Southern Pacific. But several San Francisco manufacturers have their eyes on the profits, and a large steel and wire concern of this city is preparing to go into the oil-well supply business on a large scale. Nearly everything in the line of oil machinery can be had of Coast manufacture at a reasonable price, and it is hardly necessary to say that it is to the interest of oil men to patronize those who may both by practice and example create a demand for the use of fuel oil in the manufacture of machinery.

Boom at Beaumont.

The Texas oil boom has done not a little to take the wind from the sails of California oil men, and take Eastern capital to the southwest which might have come to the Coast; indeed quite a number of Southern California oil operators, including such men as Treadwell, Canfield and Heywood have taken an active interest in the Beaumont field, and companies have been incorporated here for the purpose of developing Texas territory. A stock exchange has been opened, and trade in oil lands is very brisk indeed. Meanwhile the wily speculator is taking advantage of the excited state of the public mind to an extent unheard of in California. An example of this, given by an Eastern paper, states that a drilling well, three-quarters of a mile northeast of the original gusher, found strong indications of gas before reaching the oil rock. An enterprising Chicago speculator had secured an option on the hole for which he paid $5000. The option would have expired before the drill reached the sand, but so confident was he that the indications were good for another gusher that he planked down his money, and then began floating a company.

His next move will be to organize a stock company with $1,000,000 capital, based upon the well and thirty acres of land. If Texas oil brings 20 cents a barrel, when the field is further developed, this lease will have to produce 5,000,000 barrels of oil to pay back its original capital. If ten wells are drilled on the lease, each well will have to make 500,000 barrels of oil to realize the expectations of the company's shareholder. Now the Bradford field was one of the richest ever struck in the United States. Some of the best territory in that section sold at $400 an acre in fee when certain to produce oil in paying quantities and $1000 an acre was regarded as an extravagant price for the very best the field afforded. Large quantities of territory changed hands at $100 an acre and an eighth royalty.

"If the people delight in being humbugged, they can find abundant satisfaction in the purchase of stock in Beaumont oil companies. It is issued in unlimited quantities, and there is no danger but that there will be enough to go around. Of course, some basis must be had for the extravagant claims of the pushing promoters of these stock companies, and Beaumont can be relied on to furnish a full-sized sensation ever so often that is bound to keep things booming. There are half a dozen or more gushers now in the Beaumont field, any one of which is sufficient to more than supply twice as much of the crude product as the southwest will need for a long time."

Two Good Buys

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LIMITED NUMBER OF SHARES OFFERED FOR 25 CENTS PER SHARE

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Capital $500,000

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A Road to the Sea.

Work is now going on on grading the Sunset railroad from Gosford, on the McKittrick Branch. It is possible that it may be continued to the sea and meet the demand of the Kern Valley producers for a railroad to tide-water.

According to the Lompoc Record, the Southern Pacific company is investigating the feasibility of a branch road from Bakersfield through Santa Barbara county on the line of the Santa Ynez river via Ynez and Lompoc. Parties in Santa Barbara who have been over the proposed route many times say there are no engineering difficulties that cannot be easily overcome, and that the route would be the shortest to tide water, and principally through a country that would contribute much business to a road even in years of sparse rains. The facts concerning this route have been presented to the company's officials and their great interest in lateral roads makes it necessary that an investigation be undertaken. Engineers would be sent out to survey the route at once if work long since planned and in progress did not demand all the available force in this branch of preliminary service.

The Danish-American.

This company, recently inaugurated under the laws of South Dakota, owns eighty acres of land in the Coalinga district, being the north half of the northeast quarter of section 20, township 19 south, range 14 east, M. D. B. M.

This land is located in the heart of the oil belt, and the sales of stock are such as to assure the immediate drilling of a well with a complete Standard rig.

The officers of the company are well-known, especially among the Danish citizens of San Francisco. The president and manager is Mr. F. Olsen, with offices in the Mills building, and the secretary is Mr. L. Burden.

The company is capitalized for $200,000, with 200,000 shares of stock at a par value of $1 each.

Oil Men to Meet.

An important meeting of the oil producers of the San Benito and Fresno districts has been called for this Friday evening for the purpose of perfecting an organization for the development of these districts. There are a large number of companies in San Francisco who own property in this field, but of that number only about fifteen are actually engaged in development work.

The meeting has been called by J. B. Hoss, secretary of the Dos Palos; E. C. Kirkpatrick, secretary of the Crude Oil, and W. B. Simmons, secretary of the California Petroleum Miners' Association. Invitations have been issued to all corporations owning property in San Benito and Fresno districts to attend the gathering, which will be held in the assembly room of the Mills building Friday evening.

Coalinga Strike.

A telegram from the superintendent of the El Capitan Oil company says the company had a hundred and fifty-barrel well. Later reports state that the well will easily produce 200 barrels, as it was bailed with a large bailer for ten hours straight at the rate of 240 barrels a day and that the oil was not reduced at all. This is expected to be a splendid well, as the oil is very light and the hole will be finished at 800 feet with nine and five-eighths casing.

Oil Title Compromised.

The terms of the compromise of the contest for possession of land with the Superior Sunset company are: The latter company leases eighty acres of the Mt. Diablo's and, paying a bonus of $1000 for the lease at one-eighth royalty, the Superior Sunset having an option to buy within a year at $500 an acre, and within eighteen months at $1000 an acre. Mt. Diablo had filed three suits against their contestants, and it is understood that they will be dismissed. As soon as the compromise was reached two men were dispatched to the scene of trouble to notify everybody in interest that there might be no more clashing.

Late reports from Bakersfield state that the matter has not been settled, but is likely to be soon.

Every change lately gives the northern collieries a stronger hold on the San Francisco market, except fuel oil, which has come to stay, and is drilling new recruits into its service daily. This will eventually make the price schedule for coal, and the year 1902 will cause a revised price list, where values will be lower than those now ruling here. Oil values are in a very disturbed condition, and the producers are the sufferers as is usual; there is needed a strong and capable man at the wheel to direct and control.

Gold Bonds.

Bonds drawing from two to four per cent per annum, interest payable semi-annually. These bonds mature in ten, fifteen, twenty, twenty-five and thirty years. Every bond issued is protected by first mortgages, placed in trust with the California Safe Deposit & Trust company, The Trust company certify on the back of each bond that they have ample security in trust to protect the bond. Back your stocks with these bonds and you can sell them. Companies incorporated under any state laws desired.

Attention is called to the vindication published by "Bonds and Mortgages" in their issue of April 15, 1901, and reprinted in the last issue of the PACIFIC OIL REPORTER.

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INCORPORATED UNDER THE LAWS OF ARIZONA THEREFORE THE STOCK IS ABSOLUTELY NON-ASSESSABLE

Capitalization, $500,000. Par Value of Shares $1

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McKittrick
Sunset

The company is selling a limited number of shares for development purposes at

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This is good advice because Pacific Petroleum Company, Limited, is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the purpose of the

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The lands of this company are located in the Devil's Den Oil District of Kern county, where a much higher grade of petroleum has been developed than is found in the famous Kern River fields, and are pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, **WE ARE ACTUALLY AT WORK.**

We have no promoters' stock, and are selling only treasury stock, EVERY DOLLAR of which goes into the development fund, which is held intact to pay for drilling operations ONLY.

A Block of 1000 Shares for $50 Cash is our "ground-floor" offer. This is an opportunity for you to share in the profits of a well-located and entirely legitimate oil enterprise. This is a safe and sure investment. Buy now. Send all applications to

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Do not delay to-day and regret to-morrow.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

SCRIPPERS LOSE CASE.

Secretary of the Interior Decides Against Them.

A dispatch from Washington announces that Secretary of the Interior Hitchcock has handed down two decisions in test cases of much importance to oil men in this State. The decision holds in favor of the Kern Oil company and the Gray Eagle Oil company in two cases instituted against them separately by C. W. Clarke in the Kern River oil district, California. Clarke is the forest lieu land selector in each case and the two companies are the mineral claimants. The two companies named asserted their right under the placer mining law and Clarke claimed title under the forest reserve lieu selections under the act of June 4, 1897.

The decisions lay down these points: "That where a person making selection under the act of June 4, 1897, has complied with all the terms and conditions necessary to entitle him to patent to the selected land, he acquires a vested interest therein and is to be regarded as the equitable owner thereof.

"That the right to a patent under the act, once vested, is for most purposes the equivalent of a patent issued, and when in fact issued the patent runs back to the time when the right to it became fixed and takes effect as of that date.

"That questions respecting the class and character of the selected lands are to be determined by the conditions existing at the time when all requirements necessary to obtain title have been completed by the selector, and no change in in such conditions subsequently occurring can affect his rights."

Each decision holds that the forest reserve land selector never has perfected his selection and that the lands now being admitted to be one of great mineral value he cannot be permitted to perfect the selections, because to do so would be to permit the selection of mineral lands. The selections, accordingly, are rejected.

BIG OIL LAND SALE.

Notes From Kern River Field.

Among the big transactions made of lands in the river fields is the sale of the northwest quarter of section 28, 28-28. The sale was made by the Kern Oil company to Chanslor & Canfield, and the consideration is said to be in the neighborhood of $200,000. This is by far the largest deal made recently and the figures indicate that there is still a very good valuation placed on lands up the river. The purchasers are among the largest operators in not only the local fields, but in other sections of the state as well, and the fact that they are increasing their holdings speaks well for the future of the district. The property is well located and no doubt it will prove quite as rich as the adjoining territory, where many good wells are located.

The Kern Oil still retains 320 acres of its choicest territory and has property enough reserved to advance its stock far beyond present market quotations.

The Standard is breaking ground for nine more big tanks on its grounds up the river. The tanks will be of the same capacity as the five already constructed and will hold 35,000 barrels each. With nine more completed the company will have storage for almost a half million barrels of the Kern River product.

D. Drake, superintendent of the Minnehaha, thinks that the present developments on section 19, 28-28 sufficient to base a positive opinion as to the value of that portion of the field. This company has well No. 1 down 1000 feet, with ninety feet of sand, and No. 3 went into the first sand yesterday at 740 feet. No. 4 is down 300 feet, with a fourteen-inch hole. All the wells are still carrying eleven and five-eighths casing. The company will sink one well to a depth of 1500 feet for the purpose of testing the lower formations, and if satisfying results are obtained deep wells will be the order of the Minnehaha.

Oil Companies Incorporated.

Loma Prieta Oil company. Principal place of business, Pierre, Hughes county, S. D. Directors—W H Wright, O C Cappleman, O W Robertson C G Clinch, J C Suydam, T J Hammond and H C Morrell. Capital stock, $1,000,000.

Uncle Sam Oil and Development company. Principal place of business, San Francisco. Directors—R Spreckels, W J Wyatt, V D Duboce, A Sonnenberg, Nathan Bobo, P H Posworth, S Hockstadter, H Freiselben, M H Cook, all of San Francisco. Capital stock, $500,000; subscribed, $125.

Visalia Non-Assessable Oil company (Foreign). Capital stock, $1,000,000. Directors—A P Merritt, Otto Luhdorff, W H Gilstrap, D L Healey, Louis Lucier, William Thompson, Visalia; M S Featherstone, Goshen. Place of business, Visalia.

Colossal Oil company. Principal place of business, Bakersfield. Directors—C Linkenbach, W Cosby, Bakersfield; J A Chanslor, C A Canfield, H P Anderson, Los Angeles. Capital stock, $500,000: subscribed, $25.

Hudson Oil company. Principal place of business, Arbuckle, Colusa county. Directors—Geo E Hays, Guinda, Yolo county; C S Mering, E A Elton, Yolo, Yolo county; J W Hudson, Arbuckle, and E B Mering, San Francisco. Capital stock, $500.000; subscribed, $5.

White Dome Oil company. Principal place of business, San Francisco. Directors—E P Daniels, W T Vahlberg, E P Palmer, N Provost, D L Pratt, Oakland; J Fassler, W M Smith, W H Childers, L J Dolan, San Francisco; P C Frederickson, O G Day, Fruitvale. Capital stock, $600,000; subscribed, $4000.

Combined Oil Land company. Principal place of business, San Francisco. Directors—F Brophy, J D Hoff, M D Hoff, F Johnson, W Dunoch. Capital stock, $1,000,000; subscribed, $5.

Kern Western Oil company. Principal place of business, Los Angeles. Directors—R L Durant, G H Freeman, A H Liscomb, I Knight, A Prenzlauer, F J Hart and J A Poland, all of Los Angeles. Capital stock, $500,000; subscribed, $35.

Magnetic Oil company. Principal place of business, Los Angeles. Directors—M W Vermillion, H S Rice, W M Randall, C H Brown, B C Peck, R S Funk, E R Ackerley, C C Harrison and E J Kimball. Capital stock, $200,000, subscribed, $18.

Mecca Oil company. Principal place of business, 76 Montgomery street, Jersey City, N. J. Directors—D H McConnell, C Gignoux and W H Carey. Capital, $450,000.

ARIZONA.

Golden State Oil and Development Company; capitalization, $500.000: incorporators—H P Goodman, Luther G Evans, B W Parsons, J Swan L E Fitch, T E Boyle, J H Crothers, A A Anderson, I H Ackerman of San Francisco.

Humboldt Paraffine Oil and Development company; capitalization $400,000; incorporators—O H Packer, H H North, Paul McDonald, M F McShane, H E Monroe, of San Francisco.

Rival Oil company; capitalization, $500,000; J C Skinner, W H T Osmin, J F Barnett, J C Vath, M A Lobac, S Nicolls, W N McCarthy, of San Francisco.

Visalia Non-Assessable Oil company; capitalization, $1,000,000: incorporators—A P Merritt, Otto Luhdorff, W K Gilstrap; D L Healey, L Lucier; W M Thompson of Kern county.

Iroquois Oil company; capitalization, $300,000; incorporators—T A Goutil, D O Castle, L A Ross, W G B Lee, Geo A Shelton, of San Francisco.

Victoria Oil company; capitalization, $300,000; incorporators—J S Potts, J A Logan, A M Furst, S Morganstern, C O Major, B S Shapiro, S P Terry of San Francisco.

Eureka Paraffin company; capitalization, $1,000,000; incorporators—A G Boggs, M H Boggs, W L Smith, J C Spenser.

Gusher District Oil company; capitalization, $500,000; incorporators—M Llewellyn, Frank H Dixon, J H Bowman, Cornelius Butler, D O McCarthy, D B Northrup, H B Weitzel of San Diego.

Chico Commercial Oil company; capitalization, $500,00; incorporators—Thomas Bicknell, Al Abraham, J A McFeely, A G Eames, J C Daly, W M Costar, Thomas N Crew of Chico, Cal.

For Sale.

Good Standard Drilling rig in first-class shape with two strings of tools. Boiler in good shape; also good engine and new drilling cable. Stoves, dishes, etc., cookhouse, bunk-house, wagon-tanks. Will sell cheap.

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PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

The Minor Ranch Oil company, of Colusa county, in which a number of Red Bluff people are interested, have struck a good gas flow at a depth of seventy feet which forces the water up to the surface.

FRESNO.

Star is drilling at Coalinga.

Confidence has finished No. 4 and Manager Clary reports is a good one.

All of the wells on 28 are falling off in production, as reported by owners.

Corona has a bit in the hole, but has drilled past it.

Minnesota broke casing, but has screwed on again.

Carmelita has a joint of casing off in the hole.

Hanford has straightened up the crooked hole and is again drilling.

Rock Oil company is abandoning No. 1 to begin No 2 at once.

Coalinga Oil company had an accident at No. 11 fishing.

Home No. 8, Blue Goose No. 1 and Investment No. 3 at Coalinga are abandoned.

New York No. 3 is fishing on section 20. A whole string of tools has been lost in the hole.

Independence contemplates drilling one of their wells 1000 feet deeper in quest of a lower sand.

GLENN.

The well of the Great Northern Oil company in Glenn county is now down 1000 feet. It is in blue shale.

KINGS.

It is reported that work is soon to be resumed by the Oceanic Oil company on its well located south of Huron.

KERN.

The Vernon, 29, 28-28 went into oil recently at 890 feet.

The Western Mineral is putting in a new Standard rig for well No. 2.

Maricopa, in Sunset district, is flowing over the casing, likewise Emperor.

Occidental No. 2 has struck oil with the drill in 50 feet in the first sand.

Linda Vista No. 2 is down 250 feet. No. 1 is doing at least 100 barrels.

Lion No. 1, in Sunset, is spouting. No. 2 is in the oil.

Wichita recently went into oil and is flowing over the casing.

Kern Crude is down 400 feet on 24, 32-23, and in good formation.

Providence, on 25, 28-27, is down about 1000 feet and has gone about sixty feet into a rich oil sand.

Four company lately entered into a contract to furnish 170,000 barrels during the year.

A lease has been secured by the Great Northern on forty acres in the northeast quarter of 8, 28-28

The Florence Oil company, on section 13, 28-27, are erecting a derrick preparatory to drilling.

The Rinconada expects to get a big well. The well is down 600 with eleven and five-eighths casing.

The Bochaltar has gone into the sand in well No. 1 and is putting up its rig for No. 2.

A United States patent has been granted H. L. Packard to all of section 16, 31-24.

The Stella company is about to begin work on section 10, to the north of the McKittrick wells.

The Lone Star is preparing to resume drilling. An order for derrick lumber has been placed

The Linda Vista No. 1 on 29, 28-28 has been completed. It is said to be good for 300 barrels a day.

The Golden West is putting up a Standard rig on 12, 11-24 and expect to begin drilling soon.

A rig is in place on 4, 11-23, about two miles farther out on the plains than the Rinconado. Drilling will be in progress this week.

Meridian has gone down about 700 feet on its holdings south of the lake, and for the last 300 feet has been penetrating a tough blue clay formation.

Thistle is having some heaving sands to contend with on the northwest of 24, 28-27, and as a result progress is slow. The 12½ casing is down 700 feet.

A good strike is reported from Beaver, on the N½ of 34, 32-24. The drill has not yet penetrated the sand for any considerable distance.

Famoso, on 4, is putting down well No. 3 at a lively rate, and indications point to as good a showing as was made on 1 and 2.

Missouri No. 1 is completed and was perforated last Saturday. No. 2 is in oil at 650 feet and a rig is being built for No. 3.

Standard Oil has the material for ten more large tanks on the way, eight of them to be set up in Kern river and the other two at Olig.

Sunset Gilt Edge, a Sacramento company, is about to begin drilling on the northeast quarter of 7, 11-23. Lumber for the derricks was sent out last week.

Dickson, a Sanger corporation has a first-class Standard rig on 23, 32-23 in Midway. The company began spudding in last Saturday.

The Lion No. 2 has struck the tar sand at 500 feet. A new Standard derrick is going up over the Keystone rig in order to handle the casing satisfactorily

Apollo on 4, 29-28, has brought in a big well, No. 1. Pumping was begun last Thursday and the well filled an 800 barrel tank about two thirds full during a steady run of twenty-four hours.

McKittrick has contracts to furnish oil to seventeen new rigs in the McKittrick country This is pretty good evidence of the confidence oil operators have in that field.

Olema went into rich sand at 689 feet last Tuesday on the southeast of 19, 28-28. The strike was a surprise, as it was expected that it would be necessary to go at least fifty feet further.

John A. Bunting is organizing a company to go in on the eastern portion of 7, 30-22. This land is in the low range of hills across the railroad track from McKittrick.

The Wichita well on 2, 11-25 has been flowing, the oil coming up through the seven and five-eighths and between the seven and five-eighths and nine and five-eighths.

Acacia, on 10, 29-28, is shut down to await the arrival of drive pipe. The company struggled for ten days to drive the hole deeper, but made an advance of only eight feet.

The Enterprise of Porterville reports that boring for oil on the property of La Mesa Chiquita was commenced in earnest last Monday, and before the day was out the drill had penetrated fifty feet.

Operations on Pittsburg's well on 1, 11-24, will be resumed, and an effort made to complete the well. Thus far the drillers have been unable to cast off the water. They have discovered an abundance of oil.

A. L. Stone has sold some fine springs on his place in the Paleto Hills to the Sunset Water company, which will soon be in a position to supply all rigs in Sunset with mountain water and is laying main pipe lines from the source of supply to the mesa below.

The suit brought for restitution of possession of the property described as the NE¼ of 25, 32-23, by the Neptune Oil & Development company against John Doe and others, was dismissed today on motion of the attorney for the plaintiff

Majestic will continue to send down the drill on 52, 32-24 for at least 200 feet. It is now down nearly 1200 feet, and though not successful in finding anything more than a showing of oil, formations are plentiful. It is expected to run into oil at 1350 feet.

Having proven its territory, El Ora is prepared to conduct development on an extensive scale. Four rigs are in commission and another is ready for spudding in. It is the intention to continue drilling until the holdings on section 8 are fully developed.

Special Land Agent Ryan of Los Angeles was at Bakersfield last week looking further into the matter of homesteads filed at the time the scrippers were throwing consternation into the local oil business. Mr. Ryan will recommend that the department cancel all such entries.

G. Washington Smith of the Wisconsin reports a good strike in well No. 1. The drill is penetrating the first sand and has every prospect of finishing up as good a well as there is on 24. Wisconsin has Santa Barbara on one side and Black Goose on the other, and on both of these tracts good strikes have been made. The drill struck the sand at 850 feet.

Whether or not the supply of water in Raisin City well on 31, 32-24 is as abundant as at first estimated, there is no discounting the quality of the product. It is free from the substances found in many of the wells in the district, and is said to be as pure and fresh as that from a mountain spring. The company is installing a plant to pump the water to the surface.

Present developments on 19, 28-28 are not sufficient to base a positive opinion upon, but thus far do not indicate that the locality is as good as the land to the south. In order to show beyond doubt what the ground is capable of producing Sinnemahoning and Minnehaha wells will be driven to a great depth. The first is down 900 feet with the 11 5-8, and the other 700.

The deepest hole yet drilled in Midway is that of San Francisco, which is down 1100 feet. At about 500 feet a stratum of fifty feet of oil sand was passed through and below that, a few showings were encountered. The hole will be driven as far as possible to determine what is beneath. San Francisco is very close to the break and it may be that it is too far to one side or the other.

Peerless turned off on Wednesday what is probably the largest single shipment of oil from the wells of one company yet recorded in the history of Kern river. It consisted of fourteen cars, loaded between morning and middle of afternoon. The company is rigging up on one of the old wells with a view to sinking it deeper. A rig for a new well is also going up on the southeast corner of the lease.

Section 15, 32-23 has been claimed by Bay City and by Dr. Hendricks of Los Angeles, who is the successor of interest of one group of locators, and who leased to Canfield & Chanslor. To avert litigation the opposing sides have agreed to an equal division and have split the section into four strips running north and south, and each takes two. The arrangement entered into permits the immediate development of the section, and four rigs will go in at an early date.

The Californian of Bakersfield reports that the S. P. has been prospecting for

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

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INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order NOW and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

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We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

For a few days only we will sell stock at ten cents per share.

First well completed about May 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed. No agents. No prospectus. Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.

T. A. KIRKPATRICK, Secretary.

HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.

First National Bank of San Francisco, Depository.

London Oil Company

Owns 5,000 Acres Experted Oil Lands

Struck Oil

in the Fresno-Alpha well at 520 feet near our property. This, with the strike of the Hamiltonian Oil Company only a short distance from our land, seemingly proves this to be one of the richest districts in California. Sub companies now forming. One rig already ordered will drill this week.

NON-ASSESSABLE. 50c SHARE

Treasury stock now selling for development purposes.

NOTE OUR DIRECTORS

C. H. PHILLIPS of San Jose (capitalist) - - - - - President
HON. J. M. GLEAVES of San Francisco (U. S. Surveyor-General) - Vice-President
HON. JAMES G. MAGUIRE of San Francisco (ex-U. S. Congressman) - Director
C. H. DUNSMOOR of San Francisco - - - - - Director
(Secretary of California Bank Commissioners)
O. A. LANE of San Francisco - - - - Secretary and General Manager
(1st Vice-President California Petroleum Miners' Association.)

Send at once for Prospectus and Particulars.

LONDON OIL COMPANY

Rooms 6 and 7, 8th floor Mills Building, San Francisco, Cal.

Here is a favorable oil opportunity

And here is a chance to buy oil stock, with the best possible outlook for assured returns. The Esmeralda Oil & Development Company are now drilling on their own tract of 366 acres, in proven oil fields situated in the most favorable districts of Vallecitos, San Benito County, adjoining the late oil strike. Stockholders guaranteed. Management economical. Capitalized for 100,000 shares, par value $1; 40,000 shares of treasury stock of which a limited number is offered at $1 per share.

Write for prospectus and map. A proposition that is sure to win your favor, or call on

A. Kingsbury,

General Agent,

Room 557 Parrott Building,

San Francisco.

water at McKittrick and has met with encouragement. It recently bored a well at the mouth of the canyon leading out of Santa Maria valley and at a comparatively shallow depth a magnificent supply was found. There is evidently a water belt running through that section and it only awaits development to furnish all the water needed in the district. Many of the rigs are running only half time because of lack of water and some are shut down altogether.

Beaver, which drilled a hole to the east of the Kern River field and brought in an artesian well, has since moved out to Sunset and now has a good well on 34, 12-24. The first sand was reached at 500 feet, and fifteen feet below that point the true sand was struck, containing much gas. This stratum was penetrated for forty feet, but work was interrupted by the breaking of a shoe. The oil is satisfactory in quantity and qual ty.

The system of extracting oil from wells by means of compressed air has been tried at McKittrick by Dabney and found to be a failure. It has, therefore, abandoned the plan and ordered a pumping plant. The reason for the non-success at McKittrick is supposed to be the higher gravity of the oil produced. The air does not seem to take hold of the oil and to remove the product, it appears, requires the expenditure of so much power that the method becomes impracticable because of the expense.

Falcon, located in the W ¼ of the NW ¼ of the NW ¼ of 20, 28-28, leased from Chicago Crude, went last Friday into 27 feet of the richest oil sand ever seen for the first showing in the Kern river field. Much interest is taken in this section since the recent decision knocking out the scrippers. In the immediate vicinity of Falcon and all likely to bring in wells are Sterling, Toltec, Chicago Crude, Mt. Diablo, Whittier & Green, Orient, Petroleum Center and Nineteen.

MONTEREY.

The Arroyo Seco Oil & Development company are at work on their first well. They expect to have two more drilling within thirty days.

The White Oaks Oil company, drilling near the Great American, is down 200 feet with good indications.

The Normal Oil company, a sub-company of the Great American, has their well down 325 feet. Have passed through a strata of blue clay and expect to be in the oil bearing shale.

The Great American struck a flow of fine light oil at a depth of 280 feet last Sunday. This is the second flow of oil that has been struck in this well. They have been troubled somewhat with heaving sands but have succeeded in getting their 11⅝ casing placed and are now drilling in the second strata of shale. The indications are for a very strong well.

ORANGE.

In the Union lease, Brea canyon, the contractor has commenced work on the company's twenty-second well.

At a depth of 457 feet oil in considerable quantities was struck in the Santa Fe company's new well No. 25. The strike was totally unexpected.

The Fullerton Oil company has put its fourth well on the pump at about fifty barrels per day. No. 5 will soon resume drilling at a depth of between four and five hundred feet.

Santa Fe wells Nos. 23 and 24 are down, with nine-inch drive pipe, 890 and 950 feet, respectively. Work on a new rig for No. 21 has been compieted and a drilling crew has taken charge of repairs on rods, engine, etc.

SANTA BARBARA.

The Hanford oil people are mining at present for asphaltum.

The Complett & Harris company is now over 400 feet.

The Commercial Union is down 950 feet, with a strong seepage and some oil sand now in the hole.

The North Star Oil company struck oil in their third well at 300 feet, after some poor prospects. The sand shows up well.

The Elizalde Oil company is down 860 feet with some seepage of oil and enough gas in the hole to run a twenty-five horse-power engine.

The Peterson company, which has had so much trouble with heaving sand, is about straightened out and now making hole again.

The first well on the new wharf of the Santa Barbara Oil company was set pumping last week, and proved a surprise, doing thirty barrels the first day.

Juanita Oil company have four wells drilling. The wells when completed will be pumped by a pumping jack, the engine and boiler for which are being erected.

The Casmalia Oil company has its new rig completed, the old one not being heavy enough, and is down 925 feet in a clay formation. These companies adjoin the Elizalde track and good reports are soon expected.

The Western Union Oil company has two new rigs in place and active drilling will start next week. This company is bailing well No. 1, which the earthquake destroyed, and is shipping the product to San Luis Obispo. The oil is twenty-four gravity.

Notwithstanding reports of depressed prices, Summerland finds a market for all of its oil, and development work continues. Four drilling rigs are steadily at work in this field and two more will be started next week. Of these six rigs four will work on the beach and two on the bluff. There is no scarcity of oil cars and the petroleum is shipped out as fast as produced.

SANTA CRUZ.

Near Sargents the Alberta is down about 700 feet and the Pajaro about 500 feet. The Directors' Oil Company of Coalinga have the contract for the drilling.

SHASTA.

Shasta Consolidated passed into a strata of sandstone at 850 feet.

Keswick Crude Oil company have bought a Standard rig from the R. H. Herron company, which will be placed on their property at once. Mr. J. P. Doherty has been engaged as driller and will have charge of the erection of the rig.

SAN LUIS OBISPO.

The Nacimiento company is boring away night and day, and is down in the neighborhood of 1000 feet. A strong flow of gas has been struck, and the drill is now in shale more or less permeated with oil.

The Acme company has material on the way, and will soon commence operations west of San Miguel, near the Nacimiento ranch. The company has experienecd some difficulty in getting machinery which was ordered in the east.

The Paso Robles Record says that the San Miguel Oil company has several carloads of material now on hand at San Miguel, and will soon commence the erection of a derrick on the Mahoney place east of San Miguel. Mr. J. L. Wright of San Miguel is promoter of the new company.

SAN BENITO.

The Dublin company will start drilling on the Oilveira ranch in a few days.

The Indian Valley Oil company com

menced boring for oil Thursday morning.

Fresno-Alpha is down 700 feet.

La Pomera and London each have a rig ready for drill.

Panochito Oil company is down 555 feet on 21, 14-10.

The Ohio Oil company is down 600 feet.

Esmeralda's No. 1 is down 120 feet, and No. 2 is spudding in.

Silver Creek Oil company has 640 feet of hole, with drilling still in progress.

Indian Valley Oil company has 100 feet of hole on 22, 15-11.

In the Vallecitos field the Fresno San Benito Oil company has its first well down 300 feet.

World Oil company is down 660 feet on 13, 14-10 in Panoche. It has completed repairs on its machinery.

The Ashurst Oil company has drilled over 400 feet. Drilling is progressing rapidly.

The Grant Oil company, drilling on the San Lorenzo Ranch have reached a depth of 450 feet.

The San Benito County Oil company was forced to quit drilling Saturday owing to trouble with water.

The California Guaranty Oil company has leased a piece of land from the Bitterwater Mining & Development company.

The well of the Ohio Oil company is now 950 feet deep, and is in black shale. Everything is going smoothly and a profitable outcome is the expectation of everyone.

In the Hollister field the Hollister Petroleum Development company is down 320 feet, and the San Benito County, Dublin, Hollister Crude, San Juan and San Antonio have each placed a rig on its ground, and a number of drills will be pounding away in the near future.

TEHAMA.

The Paraffine Oil company will have two boring outfits on the Brown & West lands west of Red Bluff before June.

The formations passed through by the drill of the Pacific Petroleum & Gas Development company in its well in the Stony Creek Oil district are very promising. To the depth of about 200 feet alternating beds of shale and sandstone have been encountered.

The Corning Oil & Gas company are now down 100 feet and are drilling night and day. A steady and large flow of gas has been encountered. On Friday afternoon last a piece of red hot iron from the forge flew into the well causing an explosion. The floor of the derrick was blown up and the flames were not subdued until after a half hour of hard work. The forge is now being moved away from the well as the large amount of gas from the well makes any fire near it dangerous. The company is now considering putting in electric lights. The stock of the company has been advanced to 60 cents per share.

VENTURA.

The Windsor Oil company is still fishing for tools.

The Santa Paula Home Oil company is waiting for casing.

The Golden West Oil company has suspended operations.

The Memphis Oil company is drilling on the Maddox place.

Mr. Fitch, drilling on Ferndale ranch, is bothered with water. It is flowing over the casing.

The Pure Oil company, on the Bishop place, is down 1100 feet in No. 1, and is still drilling.

Contracts for two wells to be put down on R. F. Robertson's place near Bardsdale will be made this week.

The Sobre Vista company, operating near the Whidden Double, has a good well at a depth of 800 feet.

A new company composed of Los Angeles and San Francisco people has commenced operations on the Balcom place.

The Bardsdale Oil company, operating on the Lysle lease, are now closed down waiting for casing.

The Bardsdale Canyon Oil company, who own 100 acres adjoining the Climax Oil company are preparing to commence work at once.

The Bardsdale Crude Oil company are now installing their pumping plant. No. 4 is proving to be a fine well and they are now making grades for No. 5.

It is reported that the Eureka Oil company, notwithstanding the present low price of oil, has contracted for the drilling of ten wells.

The Erie Oil company, near Bardsdale, operating on the Guiberson lease, are down 1550 feet, and are now putting in a string of 6 5-8 casing.

The McCray-Hill company made a sale of 100 acres of their land joining the Windsor, northeast of Santa Paula, to San Francisco parties. T. S. Van Vleet engineered the deal.

A gasoline engine pumping plant is being put in on the Bookhout place, Bardsdale. The company has four wells. No. 4 is down 800 feet, with considerable oil in the hole.

The Empire Oil company, northeast of Santa Paula, has two new wells which are good producers. One is located in new territory in Timber canyon and the other in the older and tested part of the field.

At a depth of 735 feet, after making the best of progress, the Weldon Oil company has been forced to abandon its first well. The casing collapsed at the depth named and in trying to remove it the tools were lost. All efforts to recover them proved futile. The rig will be moved ahead about 15 feet and a new hole put down. The company had fine prospects in its first well. It is the intention to make a thorough test of the locality.

A New Location.

The San Benito County Oil company, after reaching a depth of 1080 feet, encountered another body of salt water which came up in the casing 500 feet. It was impossible to drill with the water in the hole, as the sand kept coming up, and equally impossible to case it off, as they were using the smallest casing made—3¾-inch. So it was decided to abandon that well and pull all the casing. Not that there is not oil there, but because it was impossible to drill deep enough to reach it under the conditions. The San Benito rig has been rented to a new company to operate on the Payne ranch, the the rent being payable in stock. Mr. Lathrop has donated his services and taken $500 worth of stock. Drilling will begin soon.

Mr. Jenness of the Electric Oil company left for Bakersfield yesterday to select a site for well No. 2 on the company's property south of the river. He proposes drilling as near the Spring Oil company's fifty-barrel well as possible. As this is only eight hundred feet distant a good flow is expected from their second well.

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Land lies one-half a mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it.

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50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders.

Large dividends certain inside of 8 months.

Extra hours—Saturdays, 7 to 8 p. m.; Sundays, 11:30 to 1 p. m.

Send for prospectus.

On May 15th **30 cts. per share.**

Delays cost money.

CALIFORNIA OIL INVESTMENT COMPANY

475-476 Parrott Building

855 Market.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, May 1:

ÆTNA.

1000 at	18	180 00
1500 at	17	255 00

BEAR FLAG.

500 at	16	30 00
100 at	14	14 00

BLUE GOOSE.

150 at	2 00	300 00
5 at	1 50	7 50

CALIFORNIA STANDARD.

100 at	36	36 00
2000 at	37	740 00
1000 (B30) at	39	390 00
2700 at	40	1080 00
2300 at	39	897 00
5100 at	38	1938 00

CENTRAL PT. CON.

200 at	1 45	290 00
100 at	1 50	150 00

FOUR OIL CO

4000 at	48	1920 00
50 at	50	25 00

HOME OIL.

102 at	3 40	346 80
100 at	3 50	350 00
25 at	3 20	80 00
95 at	3 25	308 75
400(B 60)at	3 40	1360 00
575 at	3 45	1984 75
450 at	3 30	1485 00
180 at	3 35	603 00

HANFORD.

6 at	95 00	570 00
3 at	97 00	291 00
10(B30)at	100 00	1000 00
½	98 00	49 00
3 at	96 00	288 00
5 (S30)at	98 00	490 00
17 at	99 00	1683 00

INDEPENDENCE.

100(S 90) at	16	16 00
600 at	18	108 00

JUNCTION.

100 at	49	49 00

KERN.

100 at	7 00	700 00
180 at	6 87½	1237 40
70 at	6 75	168 75

KERN RIVER.

20 at	13 00	260 00

LINDA VISTA.

200 at	15	30 00

LION.

700 at	17	119 00
5200 at	15	780 00
3800 at	16	607 00
4000 (S30)at	15	600 00
4100 at	15	615 00

MONTE CRISTO.

220 at	2 40	528 00
200 at	2 45	490 00

MONARCH OF ARIZONA.

300(S30). at	53	159 00
300 (B60) at	53	159 00
100(B60) at	54	54 00
100(B60) at	55	55 00
100 at	53	53 00
3250 at	54	1755 00
855 at	55	467 50
600 at	52	312 00

OIL CITY PET.

1500 at	27	405 00

PEERLESS.

100(B60)at	8 37½	837 50
100(B60)at	8 50	850 00
10 at	7 75	77 50
50 (S90)at	7 50	375 00
100(B90)at	8 62½	862 50
120 at	8 00	960 00

PETROLEUM CENTER.

2500(S 30) at	13	325 00
4000 (S30) at	13	520 00
1000 at	16	160 00
1000 (B10)at	15	150 00
2700 at	15	405 00
8865 at	14	1101 10
2000 at	13	260 00

OCCIDENTAL OF W. VA.

600 at	58	348 00
200 at	55	110 00
400 at	61	244 00
420 at	59	247 80
1400 at	60	840 00

REX.

100 at	38	38 00

REED CRUDE.

100 at	49	49 00
8000 at	47	3760 00
100 at	48	48 00
500 at	46	230 00
1100 at	43	473 00
300 at	44	132 00
100 at	46	46 00
300 at	45	135 00

SUPERIOR.

200 at	23	46 00

STERLING.

50 at	1 97½	98 75
300 at	1 95	585 00
510 at	2 00	1020 00

SACRAMENTO.

200 at	2 00	400 00

TWENTY-EIGHT.

100 at	1 35	135 00
100 at	1 40	140 00
250 at	1 37½	443 75

WEST SHORE.

500 at	2 60	1300 00

Shares 87,846½ Amount $45,622.35

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending May 1:

CARIBOU.

500 at	65	325 00

CALA. & UTAH.

6750 at	25	1687 50
750 at	26	195 00

CALIFORNIA STANDARD.

500 at	38	190 00
2900 at	39	1131 00

FOUR OIL.

300 at	51	153 00
2000 at	50	1000 00
500 at	49	245 00

HANFORD.

4 at	96 00	384 00
3 at	97 00	291 00

HOME OIL.

50 (S 30) at	3 35	167 50
50(S30) at	3 30	165 00
750 at	3 35	2512 50
150 at	3 15	472 50
200 at	3 40	680 00
600 at	3 30	1980 00

INDEPENDENCE.

500 (B60)at	19	95 00

KERN OIL.

20 at	6 50	130 00
100 at	6 75	675 00

LION.

200 at	18	36 00
1000(S 30) at	16	160 00
2000(Cash)at	16	320 00
3000 at	16	480 00

MONTE CRISTO.

200 (S90)at	2 30	460 00

MONARCH OF ARIZONA.

200 at	55	110 00
1100 at	54	594 00

OCCIDENTAL OF W. VA.

200 at	59	118 00

PETROLEUM CENTER.

1000(S10)at	13	130 00
500 at	13	65 00
200 at	15	30 00
6600 at	14	924 00

PEERLESS.

50 at	8 25	412 50
50(B90) at	8 62½	431 25
180 at	8 12½	1462 50
150(B60)at	8 50	1275 00

SAN JOAQUIN O. & D.

40 at	9 87½	195 00
150 at	9 75	1462 50
50 at	9 62½	48 12½

STERLING.

100 at	2 05	205 00
100 at	2 02½	202 50
200 at	2 00	400 00
100(B30)at	2 00	200 00
100 at	1 95	195 00

SUNSET.

200 at	28	56 00

TWENTY-EIGHT

400 at	1 37½	550 00

WEST SHORE.

100 at	2 80	280 00

Shares 32,797 Amount $23,272.37½

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F. H. HAUSMAN, Secretary.

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San Francisco, Cal.

Warning to Investors

Notice of Infringement of United States Patent for Converting Crude Oil Into Gas for Heat Purposes.

California Invention Makes Two Barrels of Oil Evaporate as Much Water as 2,000 Pounds of Steam Coal—Fuel Problem Solved.

An Associated Press dispatch of March 30th from Salt Lake City described the alleged invention of a device for converting crude petroleum into gas before delivery into the furnace, whereby the heat force of the oil was greatly increased, and announced the sale thereof to the Standard Oil Company for the sum of $5,000,000.

The principle of converting crude oil into gas through the medium of a mixing chamber in the body of the injector, where the oil, air and superheated steam unite before delivery into the furnace, thereby forming a gaseous mass with intensified heat force, as described in the aforesaid dispath, is covered by the "PERFECT PETROLEUM BURNER," under United States patent number 428,587, and is owned exclusively by the AMERICAN PETROLEUM SUPPLY CO. Notice to that effect has been served in writing upon the proper officers of the Standard Oil Company, to whom a like offer of sale has been made, and all persons are hereby warned against the infringement of the same, either by use or design, under the penalty provided by the United States statutes against the infringement of patents.

THE INVENTION OF THE AGE

THE "PERFECT PETROLEUM BURNER" is a mechanical device for burning crude or refined oil on locomotives, marine or stationary boilers, smelting, reverbatory, blast, metallurgical and heat furnaces of every description, brick and pottery kilns, and for all purposes employing or requiring the intense heat of a gaseous fuel, and has the highest heat and evaporative record of any hydro-carbon burner in the world.

THE "PERFECT PETROLEUM BURNER," with eight burners in operation and supervised by one man, using the heavy Los Angeles oil, burned 44,000 pieces of pottery at the Steiger Pottery Works in twelve hours a task that previously took seven days with coal and five men to shovel it. Although this experiment was made in the face of every obstacle that could be thrown in its way by those who opposed the substitution of California oil for imported coal, the results were such that we feel safe in saying that, with a proper supply of dry or superheated steam for vaporizing the oil—which is an essential agent for perfect combustion—we can burn a kiln of brick or pottery in one-fifth the time and at one-third the cost of imported coal. This is one "hot air" proposition of merit.

BREAKS THE WORLD'S RECORD.

THE "PERFECT PETROLEUM BURNER," in a test made at the Pacific Rolling Mills of San Francisco with Peruvian oil (which is no better for fuel than the California product), and covering a period of six days and nights, evaporated an average of 21-14 pounds of water for every pound of oil used, thus scoring the highest evaporative record in the world, and exceeding the fixed possibilities of the British Thermal unit. This remarkable result is due to the two essential principles embraced in this patent—first, the thorough assimilation of oil, air and steam, in the scientific mixing chamber, where the oil is thoroughly atomized, and, secondly, the suspension of the cold air draught, which is employed in all other processes.

THE "PERFECT PETROLEUM BURNER," through the medium of its atomizing chamber, practically supports combustion upon hot air instead of cold, and has thus completely revolutionized the principle of evaporation. All air required to support combustion passes through a fine mesh wire screen at the base of the burner, where it later meets the superheated steam and oil, under pressure, and thus passes to the furnace in a gaseous form, where immediate ignition and perfect combustion follow. This is the only system that brings out the full heat units of the oil. It must first be reduced to gas by vaporization, otherwise it goes to the furnace as a comparatively solid body, with the consequent loss of imperfect combustion, which characterizes the use of coal.

A CALIFORNIA INVENTION.

THE "PERFECT PETROLEUM BURNER" is a California patent, scientific in conception, simple in construction, perfect in execution, and is especially adapted to the heavy oil of California, which it converts into gas before delivery into the furnace, thereby overcoming the common difficulty of an obstructed flow and the imperfect combustion and consequent waste of heat force by the use of an ordinary injector, which feeds the oil in a comparatively solid form. This burner is not a thing of magic; it is simply a perfect piece of mechanism, framed along the line of scientific combustion. It does for crude oil what the perfect lamp burner does for refined oil—affords perfect disintegration of the oil, which is manifested by the complete absence of smoke.

TESTED BY THE RUSSIAN GOVERNMENT.

THE "PERFECT PETROLEUM BURNER" has been tested with Peruvian, Russian and California oil with equal results, and is now preparing to undergo an official test in St. Petersburg at the request of Theodore Schidlovosky, assistant to the manager of the Moscow railroad, and member of the Imperial Railroad Administration, with a view to its adoption on the great Trans-Siberian system and the other government railroads of Russia, where oil of about the same consistency as that of California is burned exclusively for fuel, and with most satisfactory results.

Arrangements are now being made for the manufacture and sale of this burner in San Francisco, where we will guarantee, with but a slight change in the firebox and the manner of supporting combustion, to make two barrels of California oil evaporate as much water as 2000 pounds of the best steam coal, thus giving oil an economic value of $2.50 per barrel, as measured by the cheapest steam coal on the market, which is about $5 per ton (the average cost to the Southern Pacific Railroad being $4.85), or with oil at $1.00 per barrel, a fuel cost to manufacturers of $2.00 per ton, a rate equal to that of Chicago, and $1.50 per ton less than the cost of coal at the cheapest tidewater point on the Pacific Coast, which is Seattle. This means a widened market for oil, and one that will not only afford a profit to the producer, but save millions annually to the consumers.

OIL VS. COAL.

The average evaporation of the common steam coal is about seven pounds of water to one pound of fuel, or a total evaporation of 14,000 pounds of water for one short ton of coal, and requiring from two to ten men to shovel it, while two barrels of California oil comparatively free from sand and water of the average combined weight of 650 pounds, will, with a "Perfect Petroleum Burner," evaporate an average of 21 pounds of water to one pound of fuel, or a total of 13,650 pounds of water, and require the services of but one man, no matter how large the furnace, as it is fed automatically and leaves neither ashes nor cinders to be removed. California oil, by reason of the high per cent of lubricants, and the consequent absence of the explosive elements of the illuminating oil, is specially adapted for a steamship fuel, and can be used with as little danger and for a good deal less money in actual cost, to say nothing of the saving effected in carrying space, than the imported coal now operating the steam craft of the Pacific. A steamship of the capacity of 5000 tons wastes enough through the imperfect combustion of coal and the space required to carry it, as compared with the results and the requirements of oil, to rebuild itself every ten years.

THE "PERFECT PETROLEUM BURNER" ranges in capacity from 10 to 75 horsepower (any desired power being obtained by the addition of burners) and ranges in price, with steam and oil jets attached, from $25 to $100 each.

THE BEST INVESTMENT EVER OFFERED.

By uniting the certainty of a manufacturing enterprise with the speculative possibilities of oil production in California, especially when backed by a practical drilling experience of twenty years and a thorough knowledge of the various oil districts of the State, in many of which we have valuable holdings, this company feels safe in promising a handsome profit to investors. If oil goes down, the consumption will naturally increase and every consumer will want our burner; if it goes up, which we think it will within sixty days, we will be producing it as well as burning it, and both at a handsome profit. In addition to our California interests, we intend to commence operations in the Baku and Trans-Caspian districts of Russia, the scene of the greatest oil wells in the world, where we have concessions.

THE AMERICAN PETROLEUM SUPPLY CO. was organized under the laws of California, January 24, 1901, with a capital stock of $500,000, divided into 500,000 shares of the par value of $1.00 each, for the purpose of manufacturing the "Perfect Petroleum Burner" and other oil appliances, to operate tank steamers between the ports of California and the west coast of Mexico, where there is a market for 2,000,000 barrels of oil a year, and to do a general contracting and oil supply business, including the production of oil and the drilling of oil wells for hire or otherwise.

One hundred thousand shares of the capital stock owned by the inventor, fully paid and non-assessable, will be sold for ten cents per share, with a reasonable certainty of its reaching one dollar and possibly ten dollars within a year. One contract alone for the burner, now pending, will pay a dividend of one dollar per share, and that, too, within six months, if at all.

There is a market for 300,000 burners which would afford a profit to stockholders of over $15,000,000, or a sum equal to about $300 for every dollar invested at the present price, and there is no reason why we should not supply them, for we have the best burner in the world, and it is not a Salt Lake invention either.

OBJECT OF THIS REMARKABLE OFFER.

We would prefer one good business man with $10,000 to a large number of small stockholders, but as we have not been able to find that man without undue concessions and need that sum to provide tankage, delivery wagons, and to meet the expense of our first order, which includes a trip to St. Petersburg to be made about May 15, subscriptions will be received for not less than 100 shares and not more than 100,000, to be filled out of the inventor's stock, which is fully paid and non-assessable, at the rate of ten cents per share, the company reserving the right to return all subscriptions in excess thereof.

There will be no occasion for any assessment of said stock after the first payment, as returns from the burner will be immediate, but to guard against any such emergency, 50,000 shares of the patentee's stock will be placed in the hands of a trustee for one year, with power to sell the same for any assessable demand against the company. In other words, we sell a one-fifth interest in a patent for which $75,000 cash has been refused—a sum equal to 15 cents per share—and upon which an option has been given for $500,000—a sum equal to one dollar per share for $10,000—because we have confidence in our patent and desire to hold it. If we should sell under the option referred to the corporation will be dissolved and stockholders will receive one dollar per share in liquidation, and that, too, within six months, if we do not sell the patent outright we will continue to manufacture and sell the burner, and to produce and sell crude oil, and believe that we can, inside of two years, return from ten to one hundred dollars to stockholders for every dollar invested at the present selling price.

A SPECULATION, BUT NOT A GAMBLE.

This investment is in no sense a gamble, except in so far as we may meet delay in securing available contracts, but at the same time it has a speculative feature, and for this reason we do not invite the money of any one who could not lose the same, if need be, without embarrassment. We want money, but we do not want it bad enough to steal it by promising impossible things, or paying dividends out of a portion of the investor's money. We believe that we understand the oil business in all its scientific and mechanical phases from production to consumption; have executed drilling contracts to the amount of $250,000; have a personal knowledge of nearly every oil field in the world; have appeared before the United States Land Department at Washington in the capacity of "experts," but with all that, realize that failure, while not probable, is always possible, and therefore do not want any money that carries with it ruin in case of loss.

OPINION OF ENGINEERS INVITED.

All stock sold at ten cents per share will be issued to the patentee direct as fully paid and so indorsed by the secretary, and will be properly assigned to purchasers thereof, who may have the same transferred upon the books of the company without further cost at any time within one year. The balance of the stock, which is all owned by the inventor, will not be sold for less than $10.00 per share, the proportionate price offered by the Standard Oil Company for the alleged Salt Lake device, and to whom we have made an offer of sale. It will either bring that figure within two years, or drop to the value of the cancelled revenue stamps upon its face. We have described our burner in detail, so that technical and mechanical engineers at a distance may understand the principle employed therein, and we advise prospective purchasers to consult with them wherever possible about the feasibility of such a theory before parting with their money. As this appeal is directed to the intelligence rather than the credulity of the investor, we have selected California oil journals in which to advertise, believing that the readers thereof, as a class, could more readily detect merit or fraud in an oil proposition than Eastern readers unfamiliar with the oil subject. If this is a good thing the people of California should own it; if it is not there is no reason why it should become the "two-per-cent-a-month" property of the factory girls of Massachusetts.

All persons using oil for fuel, or contemplating investment in oil-burning appliances, including technical and mechanical engineers, as well as oil experts (for we have no secrets), are requested to call on or communicate with the

AMERICAN PETROLEUM SUPPLY CO.,

Owners of PERFECT PETROLEUM BURNER, dealers in crude oil and general contractors for drilling oil, gas or water wells.

J. T. FLYNN, Manager, 311 Emma Spreckels Building,

SAN FRANCISCO, CAL.

P. S.—Make all checks or drafts, no sum for less than $10 (100 share), payable to AMERICAN PETROLEUM SUPPLY Co., 311 Emma Spreckels Building, San Francisco.

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and

Oil Stocks

We have some of the most promising Oil Lands in

KERN, VENTURA AND FRESNO COUNTIES

Which we will dispose of at exceptionally reasonable terms.

We are also prepared to sell stocks in reliable companies operating in California.

Information freely furnished on all matters pertaining to the Oil Industry.

Call on or address:

SHEA & PETERSON

301 HEARST BUILDING

SAN FRANCISCO, CAL.

A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

LOW CAPITALIZATION

Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

$2 Per Share

A GUARANTEED INVESTMENT

With the first well in oil, railroad running through the property, under the management of well-known, conservative business men, 80 acres of proven oil land in Sections 8 and 10, 29-28, Kern River District, recommends the investment to conservative investors. . . . . .

Officers and Directors—George L. Dillman, M. A. De Laveaga, William Palmtag, George D. Clark, Thomas Flint Jr. W. C. Graves, Attorney. . . . . .

Office 402 Kearny Street

W. C. GRAVES, Secretary.

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Oil Lands for Sale or Lease

IN THE DISTRICT OF COLUSA COUNTY . . .

Showing the best oil yet on the market, at reasonable prices and terms, in tracts from 20 to 3000 acres.

John C. Mogk

Colusa, Cal.

To Burn Oil.

The following applications for permission to store crude petroleum for fuel purposes are on file with the Board of Supervisors:

Pacific Packing House, 336-340 Fourth street, to store and burn crude oil.

California Saw Works, 208-212 Mission street.

McPhee company, Nineteenth and Harrison streets.

The petitions have been favorably reported upon by Fire Marshal Towe.

A New Company.

A company has recently been organized called the Standard Consolidated Oil & Land company. This company controls land in the proven territory of the Kern River Oil district such as in section 19, township 28, range 28, but also includes some of the choicest oil territory in the Midway district, the McKittrick district, the southern portion of Monterey county, the Devil's Den district in Kings county, and the Sunset and Cottonwood districts of Kern county. The secretary of the company is Mr. G. M. McGregor.

Oil in Louisiana.

The Louisiana State Land Office has sold all the swamp overflow and sea marsh lands in the parishes of Calcasieu, Vernon, Iberia and Vermillion in the last few days. Since the oil boom the Land Office has disposed of 7000 acres in Calcasieu and Vernon, 74,500 acres of sea marsh in Iberia and 53,000 acres in Vermillion. This is the heaviest sale of marsh and overflow lands in the history of Louisiana. The sales are attributed to the oil craze. Nearly all the lands sold are near the Beaumont oil fiels, and are purchased with the intention of sinking wells for oil.

San Benito Consolidation.

The representatives of oil companies having largest holdings in the Panoche, Vallecitos and Silver Creek districts called a meeting in Judge Tucker's court room at Selma on Friday night. The object of the meeting was to attempt a consolidation of the various companies. At present these companies are unable to develop their interests. If they would consolidate, matters will change and work could immediately be commenced. L. S. Scott was chosen chairman of the meeting and the matter was thoroughly discussed. The representatives of the eleven companies argued that advantages would necessarily follow such a course, and were in favor of the consolidation. A committee of eleven, one from each company, was then chosen to arrange the plans. The committee drew up resolutions endorsing consolidation, and the secretary was instructed to print them and have them distributed to the various companies. The meeting then adjourned until Saturday night.

Success Oil Company.

One of the late additions to the companies operating in the Kern River field is the Success Oil company, who have holdings in section 14, 28-27. This is only one of their properties however, as they have in addition one-half section in 12, 29-30, in the Cottonwood district and one hundred acres in Contra Costa county, besides options on property in other well known oil districts. Their property in the Kern River field is surrounded by wells which are in oil. The Lincoln Oil company is in oil only five hundred feet distant; the Shasta has two wells in the same section just south of them and the Cantua just west of their holding.

The company is organized under the laws of South Dakota, which makes their stock non-assessable. The capitalization is $200,000; par value per share, $1.

The president of the company is Mr. J. E. Emmons of the Sanitary Cleaning company, and Mr. J. A. Crounse is secretary.

Reliable representatives wanted in every up-to-date city in the United States.

The company has offices at 720 Emma Spreckles building, San Francisco.

The Lincoln.

The Lincoln Oil company with office in Central Bank building, Oakland, California have met with fine success in their well on section 14, township 28, range 27, Kern River district. After having shut down from February 2nd to March 28th waiting the arrival of a car of drive pipe casing have, since the arrival, manifested their usual energy and pluck by sending this casing down with a double crew. On April 25th at a depth of 810 feet the drill passed through rich oil sand. The oil rose perceptibly in the well, was a better quality, and was accompanied by considerable gas. The company is confident that they will reach oil in plenty inside of the next 200 feet. As soon as this well is finished the rig will be moved and another well immediately sunk. The Lincoln Oil company can be counted on as a heavy producer as there is no longer any doubt about their having fine oil in great quantities on section 14. They have met with little or no water which is a sure indication of oil, as where water is plentiful, it keeps back the oil. The company owns by deed 1920 acres, by lease 732 acres and all oil lands are paid for. The Lincoln's management is determined to place this company among the best. They have placed 10,000 shares on the market at 25 cents to raise money to finish this well. When that is done the stock will be withdrawn from sale. This stock will go very fast.

The plan of the committee appointed to formulate a scheme for organizing the marketing of crude oil for the producers contemplates a company which shall have the task of handling the oil for the producers on a co-operative basis. The stock will be divided among the producers co-operating. Advices from the fields north of Tehachapi indicate that there will be a general acceptance of the plan.

Indications in the North.

Colonel L. P. Crane states in regard to the district commencing at Rumsey on Cache Creek in Colusa county, extending north to seven miles above the fork of Bear Creek and Cache, thence from the mouth of Bear Creek northeast to Sulphur Creek, that it contains three alternating stratas of black shale and sandrock, each varying in depth from twenty-five to 150 feet, the trend being northwest and southeast, the incline being to the east northeast, at an average of forty-five degrees.

At Sulphur Creek he found the Gibson Gusher or oil spring at an elevation of 1450 feet, as per government aneroids. After watching the continuous flow of oil and water for several hours, he estimated the flow of oil to be not less than two barrels per day, the same being of the highest grade of lubricant, which is being used as cylinder oil in the quicksilver mines of this district, with no other preparation than that of having been strained through a woolen cloth, to prevent any sand or other substance being retained. The oil is of a greenish cast and is about 90 per cent lubricant. The entire district including Napa, Lake, Colusa, Yolo, Glenn and Shasta counties are uniformly the same formation, excepting patches covering a radius of possibly two miles each, which is serpentine, and in which are the quicksilver mines.

At the Gibson Spring large oil tanks have been erected, into which the oil is being stored.

In the Knoxville Quicksilver Mine, in Napa county, at the 400 foot level the contact wall is of black oil shale, from which oozes a good grade of lubricating oil, which is used as a lubricant for the machinery. The same condition exists at the Abbott Quicksilver Mine, some twenty-five miles to the northeast. In the Manzanita Gold Mine near Sulphur Creek the rock was so permeated with oil that it was difficult to handle. Sulphur and salt springs are numerous through this entire district, and large sulphur banks are found in several places, some of which have been worked for many years.

More than a hundred companies have been formed and a considerable number are now operating in this district. The Great Northern Oil company and the Glenn County Oil company are rapidly sinking wells in Glenn county. The Mt. Shasta Oil & Development company and others are working in Shasta county. Standard rigs are being hauled into Berryessa valley, in Napa county, and others are at work. It is fair to presume that fifty drilling rigs will be at work in the district before the close of this year.

Standard Rock Oil Co.

One of the best investments on the market is the stock of the Standard Rock Oil Co., whose holdings are in the McKittrick district, Kern county, Napa county and Fresno county; all proven oil lands. The land in McKittrick has been experted by Col. M. M. Ogden, expert for the Producers' Oil Exchange, and Prof. Cooper, ex-State Mineralogist, and have been pronounced as good as any in McKittrick, including the lands of the Kern River Oil company, whose shares sell at $13 to $16 on the Exchange, and the Dabney holdings, with their sixteen producers. The directors of the Standard Rock are honest, shrewd and capable business men, and some of them expert oil men. It is gratifying to find such a responsible concern before the public, with its aim to benefit the investor. This company is locally known as the "bona fide and reliable," and deserves credit for the work already done in such a short time. This stock is non-assessable and investors can certainly expect large returns within a reasonable time, as the location of this company's lands is unsurpassed in the oil belt, surrounded by heavy producers and within one-half mile of the Southern Pacific railroad terminus in McKittrick.

A limited amount of shares can be bought of this company for 20 cents, by wire or certified check. Their modest prospectus will be sent to anyone wishing to invest in a strictly legitimate oil company. The offices of the Standard Rock Oil company are with the California Oil and Investment company, 475-76 Parrott building (Emporium), San Francisco, Cal.

New Devil's Den Company.

The Devil's Den Oil district is attracting considerable attention by reason of the high grade of oil developed there. A number of companies have been organized recently, to develop tracts in that territory, and among these one of the most energetically managed is the Pacific Petroleum company, Limited, an Arizona corporation, operating on 240 acres in 18,26-21.

This company is located on territory where the formations bear a marked resemblance to the richest portion of the Kern River fields. The oil here is very much lighter than the Kern River oils.

The gentlemen at the head of this enterprise, Doctor G. L. Eaton of Oakland, and H. A. L. Ryfkogel of San Francisco, with whom are associated Messrs. J. W. Bell, Arthur Brand and Paul R. Lewis, the former of Oakland, and the latter two of San Francisco, have framed their organization in such a manner as to insure an energetic and economic administration of the affairs of the company, which considerations are always potent factors in the success of every oil enterprise.

This company is making no rash promises, but in inviting the subscriptions of the public, offer to oil investors an opportunity to share with them the fortunes of the legitimate development of highly promising territory. This company has guarded against all the leaks and extravagances which have depleted the treasuries of many companies, and is entitled to the confidence and support of the investing public.

10 Cents PER SHARE

INCORPO ATED APRIL 15, 1901
CAPITAL STOCK 1,000,000 SHARES

WESTERN OIL ASSOCIATION

OF SAN FRANCISCO, CAL.

6,440 acres selected oil lands in Kern, Fresno, Contra Costa, San Diego and Monterey Counties.

FOUR WELLS
BIG DIVIDENDS

Directors have ordered work commenced at once on well No. 1, and contract let for three more.

300,000 shares placed in treasury stock, of which a very limited number only will be offered while they last at 10 cents per share.

Positively your last opportunity to get in on the ground floor. Order stock at once. For further information write

R. K. ROBERTS, Secretary
312 Emma Spreckels Building
San Francisco, Cal.

LIBERAL CONTRACTS TO A FEW LIVE SOLICITORS

Absolutely Non-Assessable

For Short Time Shares 10 Cents

Oil as Steamship Fuel.

Every producer as well as every consumer of oil in California will learn with pleasure that the problem of converting crude oil into gas before delivery to the furnace, thereby increasing the heat force to such an extent as to place coal beyond the pale of competition, has been solved. The invention of this system of generation, which was announced through the Associated Press reports a few days ago as the idea of a Salt Lake man, who had sold it to the Standard Oil company for $5,000,000, turns out to be the patent and the property of J. T. Flynn, a well-known oil authority of San Francisco, who recently returned from St. Petersburg, where he went to present it to the imperial railroad administration of Russia, with a view to its adoption on the great trans-Siberian system, with its 3,000 oil-burning locomotives, and with success.

During his stay in Washington, where he appeared before the United States Land Department in the capacity of an expert in the case of the contested oil lands of Kern county, at the instance of the mining applicants, Mr. Flynn brought the subject of burning oil instead of coal on the transport and other government vessels of the Pacific to the attention of the War Department upon the ground of economy both as to cost as well as space, and was promised an opportunity to officially test the merit of the two fuels under the direction of the Naval Bureau in the near future.

The use of oil on steamers for fuel purposes is an absolute certainty, not only upon the Pacific, but the Atlantic as well, where the increased cost of coal admits the substitution of oil at $1.25 per barrel under Flynn's system of generation. According to the statement of Mr. Flynn, a steamer of the capacity of 5,000 tons wastes enough, through the imperfect combustion of coal and the lost space required to carry it, as measured by the results and the requirements of oil, to rebuild itself every ten years. There is no more danger, he contends, from an oil explosion on steamers, when properly stored and applied, than there is from the spontaneous combustion of coal, or even the generated gases of decomposed vegetables.

California and Utah Oil Co.

At a meeting of the board of directors held April 30th, the resignation of J. Waite as secretary and director was accepted. Mr. Percy von Loesecke was elected secretary, vice Waite resigned. The stock ot the company is quoted on the San Francisco Oil Exchange at twenty-six cents per share. Hereafter all stock will be sold subject to the quotations ot the Exchange.

Mr. I. Herzog, broker, at 326 Pine street, will fill all orders for stock.

A Midway Strike.

The strike of the Producers' Guarantee on section 23, 32-23, the Midway, demonstrates that the belt is more than half a mile in width, its location being about 3,000 feet almost directly east of the Bay City. Each of these wells is near the center of the section upon which it is drilled. Although the drill went into the streak for less than a foot, the oil immediately rose to a height of 120 feet in the casing.

Famoso's Famous Record...

Two Big Wells in Seventy Days

Dividends Our Object

Well No. 1 finished and pumping
Well No. 2 ready for perforation
Well No. 3 now being drilled

Stock Non-Assessable

Ready to Market Fuel Oil in Quantity.

Treasury Stock Now Selling at 75 Cents to Continue Quick Development

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SAN FRANCISCO, CAL.

Great Chance for Investment

The Attention of Moneyed Men

is called to our low capitalization, having only 100,000 shares at $1.00 par value. Our books are open to inspection.

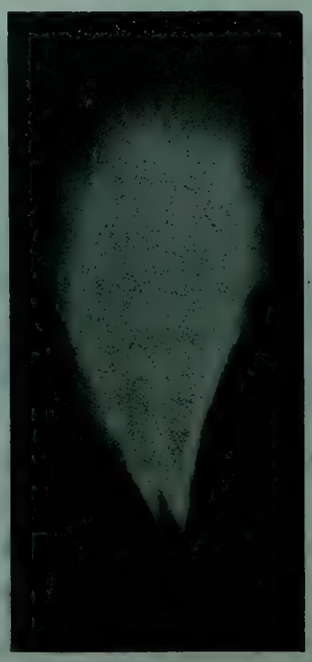
We own 400 acres and have 20 year leases on 3730 acres in the Stony Creek Gas and Mineral district.

Come and look our proposition over. We have no promotors' stocks. Every share issued has been paid for.

Are drilling day and night, and have struck a continual flow of gas at 80 feet.

You will have no regrets if you come and look over this wonderful region—10,000 shares of stock offered at 60 cents per share.

Write the secretary for prospectus and expert reports.



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The only Wire Rope Factory on the Pacific Coast.

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Wire Ropes, Cable and Hawsers

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Pacific Oil Reporter Job Office

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The Barrett Oil Well Swivel Wrench For carrying and placing bits in drilling stem boxes

Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.
It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different size squares to suit different size bits.

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Manufacturer

OIL & GAS WELL RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices etc., inquire

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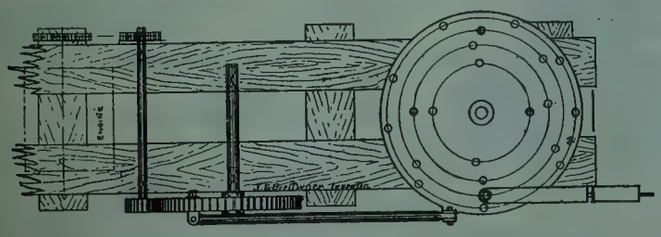
A PUMPING POWER

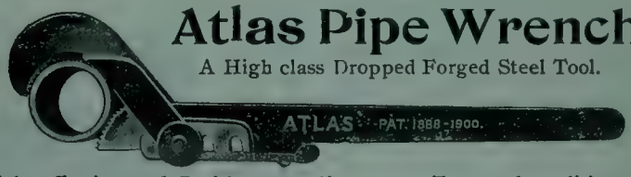
That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



J. E. BREITWISER, Inventor. RISDON IRON WORKS, Builders

Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.



Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

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New York Office, 121 Liberty Street — Works, New Haven, Conn.

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OIL WELL DRILLING MAHINERY

TOOLS AND SUPPLIES

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OIL DIRECTORY.

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOLDEN REWARD OIL & DEV. CO
Capital.....$300,000
300,000 shares at $1.
Location: 260 acres in McKittrick district, T 31, S, R 22 E, section 10 and 14. M D B and M.
Officers—J A Hutton, president and manager, D Keefe, vice president, J B Medina, secretary. C C Taylor, treasurer, depository, First National Bank of San Francisco. Directors, J A Hutton, D Keefe, J B Medina, C C Taylor, Alvin Chavez, F R Tibbetts, R T McGinnis, Edwin W Woodward, Special Agent, 11 Montgomery street. San Francisco, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer.
Office: 783 Market St., San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GRAND PACIFIC OIL CO.
Capital..... $1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKcittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository.
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W W Benchley; W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 4 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands. 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316. San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MULBERRY OIL COMPANY.
Incorporated March 5, 1901, under the laws of the Territory of Arizona. Stock non-assessable. Capitalization $500,000 divided into 100,000 shares par value $5 each. This company owns 260 acres on the San Benito River in the San Benito district. Oil found in this district is of the best paraffine base. Officers—Edward Bowman, President; Richard Keller, 1st Vice-president; B. Struven, 2nd Vice-president; S. M. Snyder, Secretary and Treasurer; H. G. Davis, Attorney. Directors—Edward Bowman, Richard Keller, B. Struven, S. M. Snyder, H. G. Davis, C. M. Depew, M. B. Ryer.
Offices—927 Market St., rooms 218, 21

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares.....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W F Amamm, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5560 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River. district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, Jonn R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn. W. W. Hutchinson. Maurice V. Samuels, Attorney; W. R. Staunmers, Manager; Union Trust Company. Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal,

WILD GOOSE OIL COMPANY.
Capital..... .....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office—552 Parrott building, San Francisco, Cal

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200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

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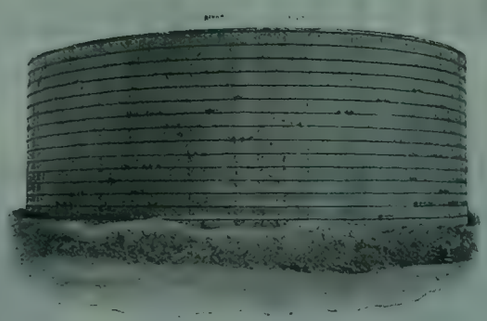

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ROOMS 413 AND 414, SAN FRANCISCO, CAL. TELEPHONE MAIN 846.

E. V. BUCKOW, President. R. D. HEALEY, Vice President.
J. WAITE, Secretary. CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.
WELLS, FARGO & CO.'S BANK, Depository

——The lands are located as follows:——

Great McKittrick	160 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	240 acres		

And are known to be in the Heart of the best Producing Oil Districts.

TWO RIGS NOW BEING ERECTED.

Drilling on Section 10, Township 30 S., Range 21 E., McKittrick District, to be commenced about May 1. This property is adjacent to the largest producers in the State.

We are negotiating for other approved Oil Lands, the leases of which are on file, with option clause to purchase.

The second block of stock to the amount of 100,000 shares is now selling at 25 cents per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

Lincoln Oil Company OF OAKLAND, CAL.

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered to Investors for A Short Time.

1686 Acres of Oil Lands

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28 27, Kern River district has passed through rich oil sand and will soon be finishedwith the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

This splendid company has been shut down for forty days waiting for a carload of drive-pipe, which arrived on the 28th of March, and is being put down by a crew working night and day.

It was found that when work was ready to proceed, eighty feet of oil had oozed in from the bottom.

For further information apply to

J. H. EDSON, Central Bank Building, Oakland, Cal.

A few Reliable Agents wanted to sell our Stock

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Endorsed by the California Petroleum Miners' Association.

VOLUME 2

NUMBER 2

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MAY 10, 1901.

25 Cents Per Share

One Well started, with Two Others contracted for

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THE KERN VALLEY OIL CO.

Incorporated with a strong directorate under the laws of South Dakota. Capital stock 500,000 shares. Par value $1 per share. 200,000 shares in the treasury. Stock non-assessable.

Has 6,600 Acres Approved Oil Land

in best districts: Kern River, Sunset, San Diego, Poso, Glenn County. One drill working night and day. Two other derricks all completed. We own 2670 acres in the celebrated Cottonwood district, Kern Co., Cal. Oil lands for sale or lease on most reasonable terms.

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OF CALIFORNIA

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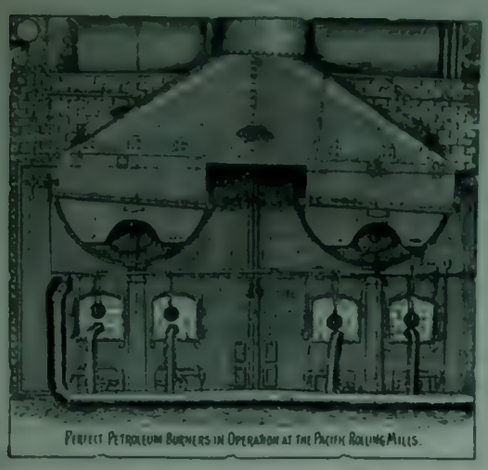
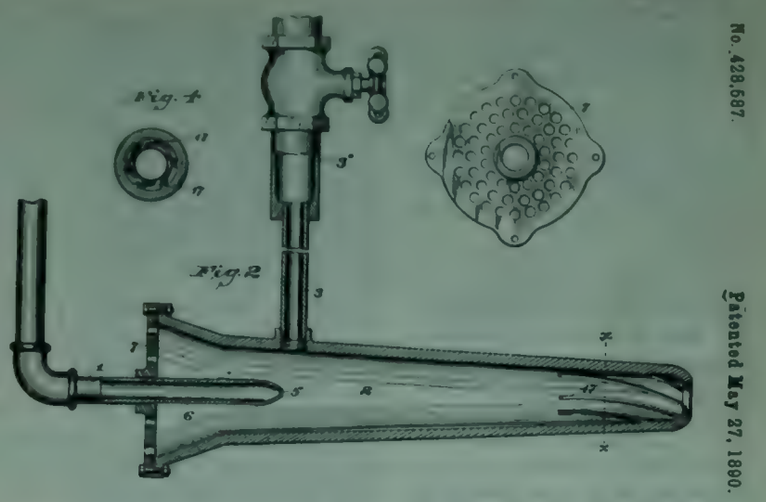
PACIFIC OIL REPORTER

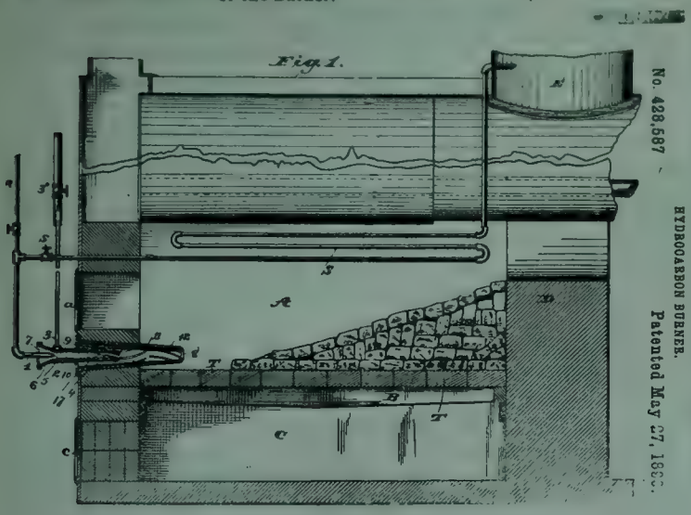
VOL. 2. NO. 27. SAN FRANCISCO, CAL., FRIDAY, MAY 10, 1901. PRICE, TEN CENTS



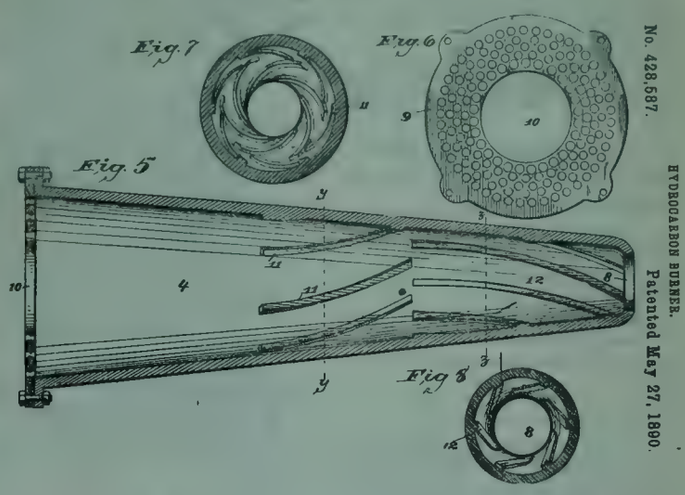
Pan and Grate Bar Draught Closed, All Air to Support Combustion Passing Through the Mixing Chamber of the Burner.



Sectional View of Perfect Petroleum Burner, Showing the Union of Oil and Steam in the Mixing Chamber.



Sectional View of Fire Box, Showing Superheated Steam Pipe and Bridge Wall for Radiating Heat.



Sectional View of Perfect Petroleum Burner, Showing Spiral Mixing Chamber, Reverse Deflectors and Perforated Air Governor.

IMMENSE TANKAGE.

The Standard Oil Company Has Ordered Ten More Tanks for Kern.

This Will Give Them Fifteen Tanks with a Storage Capacity of Over Half a Million Barrels. The Company Refuses to Make Long Term Contracts to Consumers.

The Standard Oil company has ordered ten more tanks to be erected in the Kern River field. This will give them fifteen tanks in that district with a total capacity of 555,000 barrels. The company now has five 37,000-barrel tanks erected, and has the material on the ground for three more. When the fifteen tanks are completed and the pipe lines are finished from the tanks to the various portions of the Kern River fields the Standard Oil company will be able to accommodate the output of all the wells in the Kern River district and store it to meet the demands of the market.

The Standard Oil company has three similar tanks at McKittrick.

This week the Standard Oil company completed another mammoth tank at Redondo for the purpose of storing Fullerton oil.

This oil will be shipped from Redondo to San Francisco by the tank steamer now transporting oil from Ventura County. This Fullerton oil, though not making a first-class illuminating oil by itself, can be used for illuminating purposes when mixed with a certain quality of eastern oil, the combined products being an oil which is sold to the San Francisco market at a low price.

In conversation with a representative of the PACIFIC OIL REPORTER, Mr. W. S. Miller, the Pacific Coast manager of the Standard Oil company, said:

"There is very little that is new in the oil business especially so far as prices are concerned. At present the prices of oil are too low. Consumers are buying oil at rates that are practically ruinous for the producers if continued in. I have heard of contracts that have been made in San Francisco in the neighborhood of seventy cents per barrel for large amounts of oil to be delivered weekly or monthly as the case might be and extending over long periods, one contract I am told extending for eight years.

"The Standard Oil company is not making any long contracts and will not make any. I do not believe the present prevailing price will continue much longer and it would be foolish to contract with any large consumer to furnish him with oil for a long period of time at prices which a year from now will be much lower than those prevailing at that time.

"I do not think the large output of fuel oil in Texas will have any effect on California fuel oil. In the first place it will cost almost $2.00 a barrel to transport the oil from Texas to California consumers, and even if they could transport it for one-third the amount it would then come in competition with the California product which in many respects is superior to the Texas product for fuel purposes.

"The Texas fuel oil will probably be sent to tide water through a pipe line and then be transported by tank steamers to different cities in the east.

"There is no fuel oil in the eastern states. It is all needed for illuminating purposes, and if Texas can produce a great abundance of fuel oil there is no doubt but that it will come into immediate competition with coal in the great manufacturing countries that extend all up and down the Atlantic coast. But it will not and never can come into competition with California oil as fuel."

IMPORTANT MEETING.

Annual Meeting of the California Petroleum Miners' Association Soon to Be Held.

On Monday last the Board of Directors of the California Petroleum Miners' Association met in their offices in the Mills Building, and it was determined to have the annual meeting of the association held, according to law, on the 11th of June.

There are now something over sixty companies affiliating with the California Miners' Association, and there is also a considerable individual membership.

Each company and each individual has one vote in the annual meeting. At this meeting a new Board of Directors is to be elected and such other business of importance to oil men, to oil companies and the oil industry in general will be transacted. It is desirable of securing as large an attendance as possible.

The California Petroleum Miners' Association was organized a year ago.

The object of the Association as laid down in the constitution and by-laws is as follows:

Section 1. To promote and encourage the petroleum industry in California to the end that the commercial wealth of the state may be enhanced

Sec. 2. To assist in securing such National and State legislation as will best protect the petroleum industry of California.

Sec. 3. To create a bureau of information regarding the oil territory of California, and to furnish information and to afford protection to inquiring investors.

Sec. 4. To disseminate the knowledge of the petroleum interests through the press and by public meetings or literature of the association.

Sec. 5. To maintain by all proper means, the dignity of the petroleum business of the State of California.

Sec. 6. To discourage all resort to unbusiness like methods in the production and manipulation of oil and oil companies' stock.

Sec. 7. To employ competent legal service, if required, to protect the oil industry of this state, or to maintain the rights of the members of this association.

Sec. 8. To provide suitable headquarters for the members of this association and other persons interested in the petroleum interests of California.

Sec. 9. To do any and all acts necessary and proper to carry out the purposes aforesaid, and to acquire and hold all property of every kind necessary, proper or convenient for any and all of such purposes, and to receive gifts, donations, legacies and bequests of all kinds.

After its organization the Association immediately secured quarters on the second floor of the Mills Building and had them suitably furnished.

The attorney of the Association is Mr. E. H. Stearns. His duties are principally to examine into the papers and credentials supplied by companies who apply for membership to the Association. His work has been very carefully and ably performed and as a result a number of companies which have applied for membership into the Association have had their applications rejected by the membership committee of the Board of Directors.

One of the first results obtained by the Association was the victory of the oil men over the scrippers which victory was obtained largely by the facts and figures presented to Land Commissioner Binger Hermann by the Association, which was not only in constant correspondence with Commissioner Hermann, but sent its representative to accompany Commissioner Hermann to the oil fields which were the main seat of the trouble between the oil men and the scrippers, and who showed the non-agricultural character of the land and proved that it had never been and could never be of any account as agricultural land.

The decision of Commissioner Hermann was in favor of the oil men and this decision has been upheld by the highest courts.

If the Association has accomplished no other result except this its work would have been of incalculable value to the oil industry of the state.

No salaries have been paid by the Association, all of its officers being men interested in the oil industry and working for its good through the Association without compensation. The officers of the Association for the last year have been as follows: President, L. P Crane; Vice-president, Col. E. D. Berri; Secretary and Treasurer, W. B. Simmons; Directors, O. A. Lane, Arthur R. Briggs, Dr. C. T. Dean, Gen. J. M. Gleaves, E. P. Heald, Geo. X. Wendling, and W. B. Winn.

The Board of Directors have met every week in the rooms of the Association and have transacted much business, especially in the line of considering the applications of companies seeking membership in the Association.

The work of the Association has been extremely difficult in this respect, that the majority of those companies seeking membership with it have done so primarily for the reason that they desired to use the fact of their membership with the Association as a means of selling stock. In other words, the majority of the companies who have affiliated with the Association have not been strong producing companies but rather companies which were seeking to obtain means, through the sale of stock, for the purpose of drilling for oil The annual meeting of the Association, occurring on June 11th, allows opportunity for a large number of the producing companies to become affiliated with the Association before that time, and thus to be in a position to vote for the directorship of the ensuing year. There is no doubt but that the Association is now in a position to do much good not only for oil companies and individuals but for the oil industry at large, especially as regards the matter of regulating the price of oil and the obtaining of lower freight rates.

If the strong producing companies which are now interested in the price of oil and in obtaining lower freight rates would join this Association and thus add to its strength and influence the Association would be the means of obtaining great benefits for the oil industry.

The Association needs men at its head who are practical oil men, who represent the strongest of the producing companies, and who represent territory not simply in Bakersfield or in Los Angeles, but in every oil district of the state.

This Association ought to have connected with it every reputable oil company in the state, producing and non-producing. It ought to be able to protect investors from the schemes of fake companies; it ought to be able to regulate the price of oil and do away with senseless competition; it ought to be able to prevent transportation companies from appropriating all the profits of the oil business; it ought to number among its officers and directors some of the largest oil producers in the state.

Whether or no these results can be brought about depends entirely with the oil companies and the producers.

Join the Association and conduct it as it ought to be conducted.

Send in your applications now, and vote at the annual meeting.

Oil in Utah.

F. M. Phelps and other Californians returning from the Fossil oil fields in Western Wyoming, report the discovery of immense springs flowing an oil which has been determined to be a lubricant.

P. L. Griffin and S. A. Hubbell from Bakersfield, California, who have made locations in the district, state that oil wells are springing up through faults in the formation, indicating immense reservoirs of oil under heavy pressure. While the great rush of oil investors has been to the Piedmont district, in which the Aspen tunnel gusher is located, the announcement of the springs discovered near Fossil shows lubricating oil, has caused the excitement to extend to the new fields, and claims are now being staked by many locators.

London Oil Company

Owns 5,000 Acres Experted Oil Lands

SIX BIG POINTS FOR INVESTORS

Point No. 1 Large acreage, 5000 acres makes a valuable asset for a company to build on in strengthening the safety of the funds intrusted by the investor.

Point No. 2 Five sub-companies are now forming to operate on these lands. Stockholders get the benefits from their operations as they each one pay a portion of their profits to the London Oil company.

Point No. 3 A rig has been ordered by one sub-company, the London-Calistoga, and will be at work drilling this month.

Point No. 4 Over fifty companies are now operating in this Fresno-San Benito district. Experts all agree that much may be expected from this district.

Point No. 5 A pipe-line charter has already been secured to Firebaugh on the San Joaquin river. River boats can take the oil from here, thus entirely eliminating thepossibility of a stagnation of the progress of the district on account of the lack of transportation facilities or thedetriment of exorbitant freight rates. A big pointer.

Point No. 6 Our officers are men of local and national reputation. Mr. C. H. Phillips, president; Hon. J. M. Gleaves, vice-president; Mr. O. A.Lane, secretary and general manager; Hon. James G. Maguire and Mr. C. H. Dunsmoor, directors.

The non-assessable treasury stock of this company is now selling for 50 cents per share. Call or write to the office of the company for prospectus or further information.

LONDON OIL COMPANY. Rooms 6 and 7, 8th floor Mills Building, San Francisco, Cal.

WORK IN SAN LUIS OBISPO

Prospects for Development in the Coast Field.

San Luis Obispo county, while having first-class oil land, and all of the necessary natural facilities, has for some reason received very little attention from oil men.

Several rigs have been placed in different parts of the county that never more than started drilling, others drilled for some time.

Several shallow holes were drilled many years ago, according to the Herald, and in the Edmow district, drilled in 1886, showed some oil, but as only a depth of 400 feet was reached, this did not prove anything. A well was put down where Sycamore Springs is situated, but the dip of the formation was such that the drill soon passed through the bituminous deposits into the flinty shale. This was amateur work. Later several slight attempts have been made, but it is only recently that any systematic work has been commenced. The bituminous shale that seems to be oil-bearing is divided into three distinct divisions, and for convenience these are subdivided into two or more smaller fields. The east side, or Carisa district, is at present receiving a great deal of attention. This parallels the Tempora range for a distance of about forty miles, and has apparently the same formation as the western part of Kern county, and as a matter of convenience the subdivisions carry the names of the districts in western Kern county.

Preliminary work has been begun for two rigs in 30-20, and these will probably be at work by July 4. The Hartford Oil company, in 12, 31-32, has been drilling for some time, but at 650 feet operations were suspended for some months. Operations have now been resumed and a depth of 980 feet has been reached. They should reach the oil sand at no distant date. The company has a first-class standard rig, and so far has a good hole.

The Pacific Consolidated, on 2, 32-22, in the Midway district, drilled one well and passed through several feet of oil sand, but abandoned it at 1150 feet on account of a large flow of water. Well No. 2 was commenced in December and completed in March, and a seventeen-barrel well was the result. The Pacific Consolidated land is within three miles of some of the best wells of the Midway. The Grand Prize, on 6, 11-28, has its rig almost completed, and will begin drilling by May 15. A great deal of Western Sunset, 11-25 and 11-26, is leased to different companies that are under contract to begin work in the near future. This is a great field, and while no wells have yet been drilled, the oil indications are good, and land can be had at from one to five dollars per acre.

The Salinas division extends from Santa Margarita to the Monterey line, and while the surface shows well and most of the favorable locations are in the hands of oil companies, only two rigs are drilling, but others are under construction.

The Nacimiento company is steadily pushing work on the land leased by it from Baron Von Schroeder, being part of the Nacimiento ranch. They got a lease the latter part of last year, and are now down to a depth of 900 feet, and are taking out a quantity of heavy oil and asphaltum. There is a large flow of gas. The Great American on 2, 25-10, is now steadily drilling away, having reached a depth of about 400 feet, a thin stratum of oil sand being encountered at 220 feet depth.

The coast side, comprising several small and apparently very good prospective oil fields, extends from El Moro bay to the Santa Barbara line. Several attempts have been made to reach the prolific oil sand, which to all appearances lies below, but the choice of locality has always been poor, or there has not been work enough to demonstrate whether or not there is oil in paying quantities, although good seepages of oil have always been found. A company known as the San Luis Oil company was promoted by a local banker, R. E. Jack, which did considerable work, but every attempt proved fruitless. The first, drilled in See canyon, reached 1000 feet and was abandoned. No. 2, in San Luis Obispo creek, or at the Brick saloon, between San Luis Obispo and Sycamore Springs, was abandoned at 880 feet. This well was reported by the driller to have been abandoned after a few feet of oil sand had been penetrated. A rig was afterwards set up at Oak Park, but as the company was getting tired of fruitless labor, the well was abandoned at 240 feet. Before this time the same company had drilled 400 feet on the Santa Maria ranch, but quit on account of a limited lease.

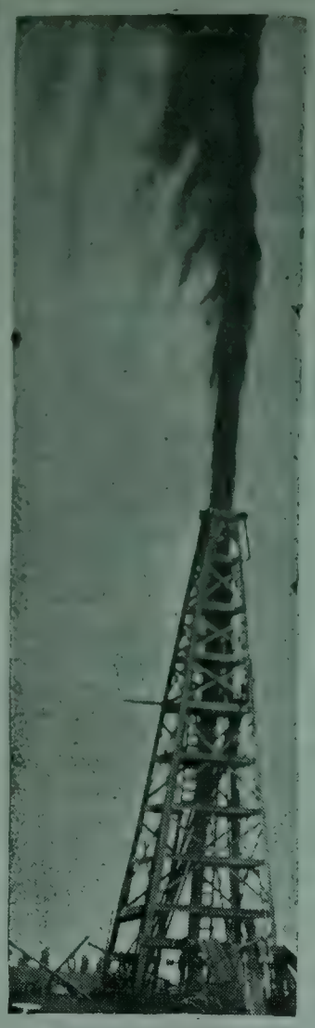
The Union Oil company drilled 1100 feet at Arroyo Grande, but abandoned the well. The same company drilled 200 feet at a point two miles south of Pismo, but for some reason quit at that point. Three other wells were attempted in this neighborhood, but were abandoned on account of crooked holes.

The Clampet Oil company began drilling on a lease in Oak Park last summer. They stopped operations for some months, but have resumed work. The well is now down 800 feet, and has good indications of soon becoming a well. As this district has the best kind of transportation facilities, this is a desirable locality for a well.

Harkness & Co, on the Huasna, have put in a new standard rig and have resumed work, after a long period of inactivity.

Several deals for large tracts of land have recently been made by different oil companies, and everything points toward renewed activity in the coast region.

OIL STOCKS



and Lands

BOUGHT AND SOLD

Local and Eastern Capital

Beaumont Property Wanted

MACPHERSON & CO.

[Licensed Brokers]

Members Producers' Oil Exchange

Room 501 Hearst Building,

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San Francisco, Cal.

PHONE, BUSH 240.

The Calistoga Oil and Development Company

Holding by purchase, leases and options valuable properties in Yolo, Napa, Fresno, San Benito, Monterey and Kern Counties, is offering a limited amount of its treasury stock at 50 cents per share.

Before placing this stock on the market the directors have secured the properties and furnished funds to purchase two rigs. Actual drilling will begin this month. Are you interested? Then call or write for prospectus.

OFFICERS AND DIRECTORS

L. D. HITCHCOCK, President. ROBERT B. TODD, Vice-President

B. F. EDWARDS, Secretary. J. M. CASSELMAN, Treasurer.

DR. E. J. BOYES. DR. H. G. THOMAS.

SAN FRANCISCO NATIONAL BANK, Depository.

Office 23 and 24 Merchants' Exchange

SAN FRANCISCO, CAL.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

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W B. WINN, Editor and Publisher

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FRIDAY, MAY 10, 1901.

Strikes and Oil

A general strike such as is threatened will do no good to the oil industry. Oil men have troubles enough without having added to them the difficulties growing out of a general strike and consequent tie-up of business.

The great lack of California today is manufacturing industries. We have gold mining, horticulture, viticulture, and the cultivation of cereals. Our gold is noted the world over. Our wheat goes to Liverpool. Our wines go to the East and Europe where the bottles are re-labeled and sold as foreign wines. But of manufactures we have but few, and what we export amounts to but little. The bulk of our manufactured goods comes from the east. Even the wool we raise is shipped east as raw material to be returned here in different forms of manufacture.

What we have lacked heretofore has been a cheap fuel in order to compete with the cheap fuel of the east.

Now that we have the cheap fuel in the shape of oil another difficulty arises in the hesitation evinced by capital to invest money in any enterprise on the Pacific Coast requiring labor on account of the continual danger of strikes.

Apparently the Pacific Coast is more prone to strikes than the east. There are practically no good men unemployed here. The proportion of the mechanics who own their homes is greater here than elsewhere. There is less poverty, less hardship.

And yet if any man gets up courage enough to invest a large amount of capital in any industrial enterprise, and succeeds after months of hard work in building up a business, the first thing he knows is a "strike."

It is this danger of strikes that that has kept and is keeping millions of dollars from investment on the Pacific Coast.

Now, with the new inducement of cheap fuel, a large amount of new capital is considering the advisability of investing in manufacturing enterprises that will require lots of oil.

That is the prospect, and it is exceedingly favorable for the oil men.

It is to be hoped the present labor differences will be adjusted so as to avoid the threatened general strike.

Such a strike would make capital unwilling to invest in manufacturing enterprises, and it would mean a much less consumption of oil.

Legality of Foreign Corporations.

The increase in the fees for incorporation has resulted in a marked falling off in the number of incorporations organized under California law and a corresponding increase of those which have incorporated under the laws of other states and territories, particularly Arizona.

Very few of the foreign incorporations have complied with the regulation requiring registration of outside companies under California law. Before the passage of this law, the rule of state comity, as it was called, permitted incorporations of other states to do business here, but this did not authorize citizens of our own state to do business here under a legal fiction free from operation of local laws.

A legal opinion by Attorney F. S. Brittain expresses the opinion that by careful limitations of the by-laws companies can secure all the benefits that may accrue from organization under the laws of other states, and that it is questionable if the members of foreign incorporations are not liable as partners where their standing is not bona fide, and that in any case they may be made so by the legislature at any time. Mr. Brittain quotes in support of his position an opinion of a Chancellor of New Jersey, as follows:

"I think the position taken by the defendant's counsel correct, that the 'B. Q. Co.' cannot be recognized by any court in New Jersey as a legally organized corporation nor be dealt with as such. If it can be, what need is there of any general or special law in our state? Individuals desirous of carrying on any manufacturing business, may go into the state of New York, organize under the general laws of that state, erect all their manufacturing establishments here, and, under their assumed name, transact their business, not only free from all personal responsibility, but under cover of a corporation not amenable to our laws. Surely such a company could not be declared an insolvent corporation under any laws to prevent frauds by incorporated companies, and must necessarily act entirely independently of all our statutes respecting incorporations.

"Here are four individuals who have assumed the name of the 'B. Q. Co.' They have purchased property in New Jersey which they have agreed shall belong to this company. * * * These individuals have carried on business here under this assumed name. * * * They are not a domestic corporation and cannot be sued as such; they are not a foreign corporation, for it is perfectly manifest on the face of their proceedings that the attempted organization under the general law of New York respecting corporations was a fraud upon the law of that state. These individuals, then, must be treated and dealt with as partners trading under the name they have assumed. Although their object in taking the name they did was to evade personal responsibility, the law will not allow them to escape, and a court of equity, as a court of law, will treat them as partners."

A School for Oil Men

We have in America schools for instruction in every branch of art and technology — schools for miners, mechanics, seamstresses, cooks, actors, barbers, journalists, and every trade and profession which has any representation. But the school which takes the uncouth toolie and turns him out a polished and gentlemanly driller has not yet been established. There is under consideration in England the establishment of a Petroleum Institute at London for the purpose of giving technical education in relation to the petroleum industry, and according to an English contemporary, a similar school is in contemplation on the continent of Europe, under the direction of Professor Zaloziecki. The course of study contemplated is formulated in the following outline:

A.—GENERAL GROUP.

Natural history of petroleum: its occurrence and spread in nature, physical and chemical properties. Statistics of petroleum production.

General and special petroleum geology. Study of oil deposits.

Speculative petroleum geology (study of the origin and formation of petroleum, the finding of oil deposits).

Study of the transport of petroleum, construction and up-keep of pipe lines.

Commercial knowledge connected with petroleum.

Book-keeping of technical and commercial undertakings in the petroleum industry.

Foreign languages and correspondence.

B.—SPECIAL GROUP.

The technology of heating, with special references to liquid fuel.

Petroleum engineering.

Electrical engineering.

(1).—SECTION OF BORING TECHNOLOGY.

Main principles of the mechanical requirements of deep drilling.

Petrography.

(2.) — CHEMICAL-TECHNOLOGICAL SECTION.

The chemistry of petroleum.

Technology of petroleum.

Methods of investigating petroleum products.

Designing and construction of petroleum works.

A chemical laboratory, mechanical workshops, a museum for drilling technology, and a small petroleum refinery, together with all necessary appliances thereto, are also to be installed.

The drilling education in the school is limited to the theoretical part; for completing the same in practice an arrangement will be made so that the students should in the summer months work as assistants to drilling firms in various petroleum countries.

The institute will be under a superintending council, who will be elected by the International Union of Petroleum Producers. The management of the institute is in the hands of the director, who is appointed by the Superintending Council, and is responsible to the same for the fulfilment of his duties.

No Competition

There is no danger of Texas oil competing with the California product. Texas is too far off to allow the oil to be transported here by rail.

Instead of injuring it will aid California oil producers by increasing the demand for fuel oil on the Pacific Coast. It will be done in this way. It will supply the eastern manufacturers with a fuel cheaper than the coal they are now using. Eastern manufacturers will soon be consuming thousands of barrels a day of the Texas product which will reach them by pipe lines to the sea, and thence to eastern ports by immense tank steamers.

Although coal is cheaper in the east than it is here it is still a great item of expense.

Eastern manufacturers are said to have more enterprise than those on the Pacific Coast, at least they are said to be quicker in taking advantage of opportunities that enable them to lessen their expenses.

On the other hand the Pacific Coast manufacturers are not slow in following the example of their eastern competitors when possible. At the present time our Pacific Coast manufacturers are not availing themselves of the use of fuel oil as generally as they should. They seem to be content to worry along with coal when they might benefit themselves a great deal by the use of oil.

When, however, the eastern manufacturers become general users of Texas oil it will not take our Pacific Coast manufacturers long to follow their example and they in turn will become general users of California oil which will not cost them as much as the Texas product costs in the east. This will increase the local demand for oil, and will correspondingly benefit the oil producers.

California had 938 rigs built or drilling in April, and 104 new wells completed. There were twenty failures.

NEED MORE STORAGE.

Users of Crude Oil Should Install Sufficient Tankage For Thirty Days' Supply.

With the hurry and bustle in the power plants incident to the change to oil, the question of sufficient tankage seems to have momentarily escaped attention. While, as a rule, marketing companies have used their best endeavors to have the consumer install proper tankage, yet it must be confessed that in many instances the storage capacity provided is entirely inadequate. A portion of the culpability, and in many cases the entire blame of the oil transportation difficulties, should be placed upon the consumer, who has held the cars for weeks at a time on sidings, thereby doing untold injury to the trade in general. Such difficulties are necessarily attendant upon the inauguration of any large enterprise, and, if instead of attributing the blame to transportation facilities, we would correct our own errors, these vexations would be more quickly dissolved.

Allowance must be made for those plants operating in San Francisco and which are subjected to restricting conditions. To provide for this contingency, the distributing companies in San Francisco have furnished the necessary storage in their receiving tanks. There can be no valid reason why the plants situated outside of San Francisco should not install tankage sufficient for thirty days' supply, and we believe that future conditions will make such a course imperative. The entire tankage provided by consumers, outside of the oil fields, amounts to 175,000 barrels, or an amount sufficient for seven days' supply. There are plants that require daily deliveries and many large institutions whose carload deliveries must be timed to a nicety. While the tankage in the field is a valuable adjunct, yet the consumer should realize the necessity of installing a larger receptable at his plant.

The tankage in San Francisco of plants and distributing companies aggregates at present about 80,000 barrels. This is being rapidly increased, tankage being in constant course of erection. The daily consumption in San Francisco, at time of writing, is estimated at 3000 barrels. The needs of the city proper are being carefully provided for, and the minimum of thirty days' storage keeps pace with increased consumption.

In the case of interior plants, where redwood tankage is permissible, and the cost of storage is small, we find that the power user does not avail himself of the immense advantage that it places at his disposal. With large tankage, not only will the steam user insure himself of constancy of operation, but he will also possess the opportunity of buying closer in the open market.

Silver Star Oil Company.

The list of producing wells in the McKittrick district is increasing day by day. Wells from fifty barrels up are being brought in at a surprising rate. This is due in part to the fact that the oil investors know this district, and make it possible for a great many companies to develop their lands, by their ready response in subscribing for stock.

The Silver Star Oil company on 28, 30-22, has as bright an outlook as any new company in the field. Their land is only a short distance from the famous Dabney wells, (one of which, alone, flowed six hundred barrels per day) and in a direct line with the largest producers in the district. They have out croppings of live oil sand in large quantities all over their section. In a prospect hole a strong seepage of oil was encountered within a few feet of the surface. The railroad at McKittrick is only one mile distant so that no trouble will be experienced in getting the oil to a market. The first rig, with bunk houses, tanks, engines, etc., has been erected and drilling on the regular shift will commence at once.

Thomas R. Bentley of Milwaukee, Wis., who is building the post office at San Francisco, has become largely interested in the company and is superintending the work.

The company has offices at 607-608 Safe Deposit Building, San Francisco.

The Combined Petroleum Producers Association at Bakersfield has in a circular outlined its plan of organization and the lines on which it will be conducted. It is the intention to organize a corporation which will have a capital stock of $500,000, divided into 5,000 shares of the par value of $100 each. Each person or corporation desiring to become associated must purchase at least ten shares. Of the remaining shares 2600 will be issued to a trustee, to be selected by the producers, who shall hold such shares for the benefit of all producers becoming members and stockholders in the institution. This is done to prevent any person or clique obtaining control of the association. The object of having each company subscribe a given number of shares is to place it on an equal footing and to provide funds for the corporation so that it may have a standing in the financial world.

Fresno-San Benito Oil District.

A meeting was held last Friday night to form an association to represent the interests of the oil producers in the districts heretofore known as Panoche, Vallecitos, Silver Creek, etc., all being located in Fresno and San Benito counties. For the purpose of definitely locating the properties of the companies in that section a motion was adopted which conferred on the new organization the name of the Fresno-San Benito District Association. The idea is to have the wells mentioned hereafter as in the Fresno-San Benito district, so as to prevent confusion. A committee was appointed to arrange for bringing the companies concerned as oil producers in Fresno and San Benito counties into the organization. Dr. C. T. Dean presided and B. L. Davis was the secretary.

California Oil Syndicate

INCORPORATED UNDER THE LAWS OF ARIZONA THEREFORE THE STOCK IS ABSOLUTELY NON-ASSESSABLE

Capitalization, $500,000. Par Value of Shares $1

520 acres of land in three best oil districts in California

Coalinga
McKittrick
Sunset

The company is selling a limited number of shares for development purposes at

25c Per Share

Rooms 486-487 Parrott Bldg.

San Francisco, Cal.

Buy Pacific Petroleum

This is good advice because Pacific Petroleum Company, Limited, is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the purpose of the

PRODUCTION OF OIL

The lands of this company are located in the Devil's Den Oil District of Kern county, where a much higher grade of petroleum has been developed than is found in the famous Kern River fields, and are pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, **WE ARE ACTUALLY AT WORK.**

We have no promoters' stock, and are selling only treasury stock, EVERY DOLLAR of which goes into the development fund, which is held intact to pay for drilling operations ONLY.

A Block of 1000 Shares for $50 Cash is our "ground-floor" offer. This is an opportunity for you to share in the profits of a well-located and entirely legitimate oil enterprise. This is a safe and sure investment. Buy now. Send all applications to

PACIFIC PETROLEUM CO., LIMITED,

PAUL R. LEWIS, Secretary.

210 Hearst (Examiner) Building, San Francisco, Cal.

Do not delay to-day and regret to-morrow.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

Oil Stocks in Los Angeles.

Recent days have witnessed active trading on the Los Angeles Stock Exchange at prices not altogether satisfactory. The aggregate business for the week closing Saturday, the 4th, amounted to 144,565 shares. As compared with over 163,000 of the previous week, the figures show a slight falling off of business, although the whole amount is an excess of the average trading for a like period of time. From the above it may be taken as a reasonable deduction that oil securities have reached the point as to price where purchasers are ready to take them up in any quantity. As a matter of fact the present quotations on some stocks are below the actual cash value of the personal property of the several corporations. The continued unsettled condition of the petroleum market is responsible in the main for the prevailing low prices of oil stocks; at the same time it may be said that many of the stocks now offered would find ready purchasers, were it not for the fact that the limited local market is already over taxed. Many stockholders are now carrying as much as it is possible for them to hold and nothing but "bargain-counter" prices can induce them to make further investments.

There have been few notable movements during the past six days. The general tendency has been slightly downward with a few exceptions in the opposite direction United Petroleum has advanced again from $123 to $130 per share. Reed Crude has found a ready market at 42 cents. Southern Consolidated which opened at 5¾ during the early part of the week fell off to 4¾ at the close. Fullerton Oil still holds the advance it made a week ago and is now taken up readily at 11 cents. The greatest slump registered by any stock was that of Westlake which dropped from 17 to 15 cents, rallying later to 16 cents. Senator has been offered as low as $1.70 with no takers. Pacific Slope, the most active trader on the board, has vibrated up and and down by degrees of ⅛ to ½ cent with a gradual falling off until it reached the 2 cent mark. Central found buyers in limited quantities at $1.12. There were a few sales of Continental made at prices ranging between 94 and 97 cents.

Reducing Production.

According to the Los Angeles Herald, it is not unlikely that most of the oil wells in the Los Angeles field will be closed for a month or so. About forty of the producers met on Tuesday evening of last week, and while no plan was definitely decided on, the one which met the most encouragement was that looking to closing down the field for about a month.

According to an expert report regarding the production and its marketing, it appeared that there are 882 wells in the southern field the product of which is marketed, and of these data were given averaging 625. According to these the production of the Los Angeles field is about 105,000 barrels a month. In all field and city storage tanks there are 169,000 barrels of oil stored, of which it was estimated 135,000 barrels are subject to sale. To dispose of this oil by November 1st, with the current product, would require a monthly consumption of 127,500 barrels.

No statistics were available of the consumption in prospect for the summer months, but in view of the demand for irrigation plants and for the refineries which are increasing their capacity, it was felt that the surplus on storage is not a serious obstacle to the building up of the market to a point which would imply a restoration of profit to the producers.

Oil and Russian Ships.

A correspondent of the London Times, writing from Odessa on April 7, says: "An interesting paper on the subject of oil fuel for steamers was read here yesterday at a meeting of the South Russian Institute of Engineers by the consulting engineer of the Russian Steam Navigation and Trading company. As is well known, Russia was the pioneer in the use of oil on a large scale for the generation of steam at sea. For many years the larger steamers plying on the southern reaches of the Volga have discarded all other fuels for oil, 'ostatki,' or residue as it is called; while the vessels of the Eastern and other large companies on the Caspian sea, though built with ordinary coal burning furnaces, and using nothing but coal on their maiden voyages from English and Scotch building yards to Astrakhan, invariably have their furnaces altered and adapted to the use of oil on their arrival in the Caspian. Whilst the rest of the world has gone on using coal, oil as fuel has become quite a matter of course with Caspian and Volga shipowners, and the Russian Steam Navigation company has not been slow to keep abreast of its neighbors in the matter.

"Some years ago, as the reader of the paper pointed out, his company determined to give the vile-looking ostatki an exhaustive trial on three of their vessels and the experiment has given quite gratifying results. Cost for cost the experiment has demonstrated in the clearest manner possible the advantage of oil fuel over coal, the cost of oil per mile running out at only one-third of that of coal. Further, on the score of cleanliness the superiority of oil was abundantly proved—a consideration of great importance the vessels of the passenger class where cleanliness means increased comfort. Several other advantages made themselves apparent from the trial, not the least of which, from the engineer's point of view was the increased facility attainable in the equable regulation of the heat over the whole heating surface, the comparative ease of manipulation of the fuel itself under steam pressure, and the saving of labor and waste in the stokehold. The Russian government has also recently determined on experimenting with ostatki on certain vessels in its navy."

SIX WELLS CONTRACTED FOR

Work to Commence at Once

In the Heart of the Great Kern River District

4000 acres of productive oil lands

10 Cents A Share

Operations to begin on Section 19, 28-28, Kern River District.

Group of Wells in Kern River District.

No delay. Aggressiveness our purpose. Large Dividends our aim.

10 Cents A Share

Stock Non-Assessable

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ROOM 7, HOBART BUILDING, 532 MARKET ST., SAN FRANCISCO.

Desirable Representatives Wanted.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

CONTRA COSTA.

The National Paraffine company, operating about a mile from the Grand Pacific, has struck a good showing of oil at 500 feet.

The Mt. Diablo well has been perforated, and a test will be made today of the oil capacity of the well.

The Tide Water Oil company have succeeded in shutting the water off in their well, but are greatly troubled by gas and sand. There are abundant seepages of oil, however, and the indications are favorable.

The Contra Costa company is reported to have pulled their casing in their well eight miles from Antioch. A crooked hole and jammed casing is said to be the trouble. Well No. 2 will be started immediately.

COLUSA.

The Great Northern Oil company's drill had reached a depth of 1203 feet on last Thursday evening.

The Minor Ranch Oil company has decided to immediately purchase a Standard rig and commence developments on their land in Colusa county.

The new derrick for another well is being completed by Smith & Gorril and boring is about to be started on hole No. 3. A tank has been taken to the scene of operations.

George P. Orr, who has represented R. H. Herron, * * * in Colusa for nearly two years past, is at work in the Sulphur Creek country with teams and a force of men building a road to the Ingrim tract of land lying just west of the Gibson spring. A friend came in from that section yesterday afternoon and reported the work nearly completed. A place for a derrick had been graded about 900 feet due west of the Gibson gusher, and that it is reported that the rig now on the Rathbun lease would be moved to the Ingrim lease this week.

FRESNO.

The Esperanza is shut down temporarily.

The Roanoke at Coalinga is in first sand.

The Producers' Guaranteed is 300 feet in No. 1.

The Westlake-Rommell Oil company is drilling on section 2, 20-14.

The Mercantile Crude is in sulphur water with small flow of oil.

The Roanoke, on 36, is reported to have a 250-barrel well.

Several new companies will start up soon at Coalinga.

The Carmelita is drilling up a joint of casing.

The New York is still fishing for a string of tools.

The Hanford is fishing for a string of tools.

The Rock Oil company are moving their derrick to start a new hole.

The Independence is pumping six wells.

Twenty Eight is pumping five wells, and Oil City Petroleum three.

The Main State has No. 1 on the pump and it is producing more than 100 barrels.

The Ajax is about 1200 feet deep and oil strike is expected.

El Capitan is bailing oil and sand, cleaning out preparatory to putting their well on the pump.

The Confidence has well No. 4 on the pump and the well is doing about 150 barrels a day.

The Corona is waiting for drive pipe from the East. The well stopped in a good sand.

The Minnesota is putting in casing.

The Star is making hole with a show of oil.

The new water company has a four-inch line to section 28 and a big tank on Gravel Peak.

The Zenith Oil company of West Virginia has purchased the lands of Sunnyside Oil company and will begin operations in that field at once.

The Danish-American Oil company is a new company just organized to operate on eighty acres in 20, 19-14. The president and manager is F. Olsen, with offices in the Mills building. The company expects to commence work immediately.

HUMBOLDT.

The Wild Goose company, which had to abandon well No. 1 on account of loss of tools at a depth of about 700 feet, will start in two weeks on a new well about 300 yards from the first.

INYO.

The 50 Oil company recently organized under the laws of South Dakota is composed of fifty business men of San Francisco who propose to develop 1950 acres of oil land around Owens' Lake. The land is well scattered in twelve sections about the lake. Among those forming the company are: R. E. Wallace, Dr. G. H. Walker, Dr. O. Laist, G. E. Graham, W. H. Staudart, Dr. A. F. Veale, J. L. Cooke, H. Nichols and T. A. Sheppard.

KERN.

A strike has been made by Superior in No. 3 on 2, 11-24

O. K., on 26, 12-24, is down 800 feet, with favorable indications.

Cass is down about 200 feet on the northwest quarter of 15, 32-23.

The Gould in the Temblor district, 18, 29-21, went into the oil sand last week.

The Henrietta, on 19, 28-28, struck oil sand last week at 658 feet.

The Panorama Oil company has its first well on 14, 29-28, down 150 feet.

The Chicago Extension has about 200 feet of hole on 24, 29-28.

The Victoria Oil company is drilling on 27, 32-23.

Photographs are being taken for moving pictures to be exhibited through the Eastern states.

La Mesa Chiquita Oil company is drilling in the White River district. They are down 140 feet.

Kern Crude has a showing of oil in its well on 24, 32-23 at less than 500 feet and has struck a flow of gas.

The Producers' Guarantee is going down with its well on 23, 32-23 in which a strike was recently made.

The Red Bank has finished well No. 6, and it was perforated on Tuesday. Drilling has begun on well No. 7.

Spring is moving its rig and is preparing to put down No. 2. A small pumping plant is being installed in No. 1.

The Transfer, on 30, 31-23, has gone down about 150 feet below the oil sand and has continued through blue clay.

Emperor's first well on 2, 11-25 is far beyond the expectations of the owners. They are preparing to begin work on No. 2.

Standard Oil has closed a contract with Kern River for 20,000 barels of oil for immediate delivery. The price is not stated.

The American Girl, on section 7, 11-23, Sunset field, is down 550 feet and drilling. There is much activity in this neighborhood.

The Mount Diablo Oil company has begun drilling on 26, 32-23, where the recent shooting affair occurred, in which George P. Cornell and James J. Walker were wounded.

The Santa Barbara and Kern Oil company has suspended operations on 24, 28-27. Its first well was ruined after entering oil sand, and the reason for suspension is not known.

Sultan, on 23, 32-23, Midway district, started the mill last Saturday, going down sixty feet the first day. This claim adjoins Bay City on the west and Producers' on the south.

The IXL, on the N one-half of the SW one-quarter, section 7, 11-23, Sunset district, is actively engaged in drilling about 250 yards from the Sunset Diamond.

Superintendent Osborn has wired instructions from Texas to begin work on Hickey well on 17, 29-28, and to send the drill down to a depth of 2000 feet if necessary.

San Joaquin has a daily output of more than 2000 barrels. A magnificent well has lately come in, capable of doing about 850. The company has twelve wells finished and producing and four drilling.

According to a telegram from New Orleans another oil gusher was struck at Beaumont, Texas, the oil going to the top of the derrick on the first leap. This is an eight-inch well and the largest in the district.

Superior at Sunset struck oil sand in No. 3 at about the same depth as in wells Nos. 1 and 2. Since they are all located close together and have the same formations the prospects are good for adding another good well.

Among the instruments filed for record is an agreement between Miller & Lux and W. M. Rankin for the latter to enter upon and drill for water on section 21, 29-23, hoping from this source to supply the McKittrick plains with fresh water.

It is said that the sale of the Kern Oil to Chanslor & Canfield was for a consideration of $200,000. Kern Oil retains 320 acres of its choicest territory, and has enough reserved to advance its stock far beyond present market quotations.

Empire in McKittrick, on the SW ¼ of 8, 32-23, a company in which a lot of young Bakersfield business men are interested, is progressing nicely and has 800 feet of piping in readiness on the ground.

Lucky Boy, in 31, 42-24, expects a strike very shortly, as the formations lately penetrated are excellent, and correspond with those found by California Fortune, located 1000 feet distant, and which recently finished a good well.

Miller & Lux will, according to an agreement with William M. Rank, enter within thirty days upon the northwest five acres in the NE¼ of the SW½ of 21, 29-23, to bore artesian wells to supply the McKittrick district with pure water.

The order for fifty oil cars of 6500 gallons capacity each, has been almost completed, and the last of the lot will be turned out this week. Work will then begin on the 13,000-gallon tanks, of which fifty have been ordered, says the Record-Union of Sacramento.

Monte Cristo's well No. 12 was completed several days ago and commenced to flow as soon as the casing was perforated. Instead of decreasing its flow, as new wells generally do after the surplus gas escapes, the flow has gradually grown stronger until now the production is estimated at between 1100 and 1200 barrels daily.

Superior Extension is installing the machinery for its water plant on 28, 32-24, and hopes to have it in operation within the next ten days. Judging from the depth of water sand in the well the drillers estimate that the quantity will be sufficient to supply not only the needs of the camp, but the rigs operating in

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

Safe Investments

INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order now and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

MOSTELLER & ALLEN, Brokers
565-566 Parott Building, San Francisco
Send postal for "Oil Facts and Figures," now in press.

the neighborhood. Hood & Morton, who have entered into a new contract to drill an oil well on the Extension's lease, have a heavy rig on the ground and will be spudding in within the next ten days. They will start a 15-inch stove pipe and expect to go to a depth of 1200 or 1500 feet.

Mining districts are soon to be formed in Midway and Sunset fields. Meetings for the purpose of organization are to be held in about six weeks at Bay City camp and at Jewett & Blodgets'. The objects to be attained by the movement are the prevention of jumping and better management of assessment work.

Twenty, drilling between the town of McKittrick and the Dabney lease, is reported to have a good well. If this be so, the strike is of importance, because it indicates that the country north of the break is productive from McKittrick's wells down at least two and a half miles, and that the belt is wider than has been popularly supposed.

Rain prevented the oil sprinkling of the streets of Kern City last Tuesday. The trustees contracted for 2000 barrels at 50 cents per barrel. The cost of hauling and putting it on the streets will be 10 cents more, making a total of 60 cents a barrel, which is reasonable, considering the price paid per barrel for oiling the roads last year.

Western Petroleum, which has a lease between Southern Pacific and California Standard. diagonally across the McKittrick break, has just finished a promising well. The perforating was finished on Sunday night and the result may be judged by the fact that before the casing was punched the oil stood 700 feet in the hole. This well is the first in the county finished with drive pipe.

Peace reigns once more on Mt. Diablo section in Midway. A sale of the Superior Sunset's rig to the Mt. Diablo was made last week, and Manager Dunlop of the latter company confirmed on Sunday the inventory upon which the deal was based and formally took charge of affairs. All who were at work on the outfit stayed with it under the change of owners, and the efforts to install the machinery are proceeding without interruption.

The Kern county Supervisors' committee appointed to select a desirable route for the road from Kern City to the oil fields has decided to recommend that it be built on the section line between 20 and 21, 16 and 17, then cut diagonally across the old China grade, and then, striking the line between 9 and 10, continue in a northerly direction to the depot at Oil City. The route selected is a comparatively easy one to open up and the work can be done cheaply.

Visalia Non-Assessable, which leased a quarter section in 15, 32-23, to a Sanger company with the agreement that the lessee was to be given peaceable possesssion, has been unable to do so. The land was claimed by Bay City and Chanslor & Canfield, who recently adjusted their interests, and representatives of them intercepted the four teams that were hauling the Visalia's lumber to the grounds and forbid their unloading. The teamsters withdrew at the show of resistance, dumped the material on 13, and returned to town.

LOS ANGELES.

The Central Oil company is pumping No. 30. The well is shallow but is producing a good quantity of oil.

The East Whittier Oil company is underreaming at a depth of 800 feet for seven and five-eighths casing.

Drilling has been resumed on the Palo Solo Oil company's lease. Work had been shut down for a number of days while a special size of stovepipe casing was being made.

The Home Oil company has held its regular monthly meeting and declared a dividend of 3 per cent. Well No. 12 is down about 800 feet No. 1 is producing a good supply of oil but the capacity has not yet been estimated as the pump is not working satisfactorily.

The Whittier Crude Oil company's well No. 1, on which the work of deepening has been in progress for several months, gives every indication of becoming a good producer. Since the sand was struck over a week ago little progress has been made but the hole has filled to a height of 800 feet with fluid.

At North Whittier the drillers are experiencing some difficulty with the string of small casing. The well has been temporarily put on the pump with large enough results to convince the company that the production would be in the vicinity of twenty barrels a day. The hole is now down 1100 feet but will be carried still further.

At the regular monthly meeting of the Warner Oil company this week the monthly dividend of 1 per cent was declared. During April the production of the Warner company was 6500 barrels During this time some of the wells were "pulled" and these figures do not represent a continuous month's pumping. About 120 feet of hole has been made on the company's new well, No. 5.

MONTEREY.

The Great American Oil company is down 800 feet.

The San Antonio Oil company has 750 feet of hole.

The Geary Oil company is down 450 feet and White Oaks company 770 feet.

Monterey Oil company's first well is down 1150 feet, with forty feet of oil sand in the bottom.

The San Ardo Oil company is down 1360 feet, and it is said to have sixty feet of oil sand.

The Normal's first well is down 400 feet with 11⅝ casing, and with good indications.

The White Oaks company have started a well 300 yards from the Great American company, and are down 250 feet.

H. R. Earle, S. S. Simon and W. M. McCarthy, well-known oil men, have spent this week in Monterey county, examining oil lands.

Oil Canyon Oil company will put up a rig at once about a mile further back than the Tomboy to develop a new country.

The Great American well on 2, 10-25 is now down 200 feet. Work is being delayed considerably by heaving sands and by the immense quanttiy of gas in the well.

The Tomboy Oil company is still drilling on its first well in which the presence of oil was first demonstrated. There is 1200 feet of 7⅝ casing in the hole, which is about 75 feet below the casing. The drill is still in oil sand and the amount of oil in the well is steadily increasing.

NAPA.

The Mt. Shasta company is now down 400 feet says the Woodland Mail and the drill is in sandstone. To this depth alternate strata of shale and sand have been penetrated and the flow of gas has greatly increased. The carburetted hydrogen is rising to the surface in a steady stream and is sufficient in volume to supply a continuous flame. As a result of a slight accident to its rig at Sand Flats, the head driller will spud in the new well in Berryessa and will return to Shasta county when ready to resume operations.

SAN BENITO.

The World Oil company has a fishing job on hand.

The Panochito Oil company has begun well No. 2.

The Dublin Oil company, on the Oliveria ranch, has drilled seventy feet.

The Fresno and San Benito is still making good headway toward the oil.

The Nonpareil has temporarily suspended drilling owing to a change in drillers.

The Hollister Petroleum Development company is down 200 feet and the drill is in black shale.

The Hamiltonian, La Primera and Esmeralda companies are awaiting completion of a water-pipe line before further drilling.

The machinery in use at the oil well of the San Ardo Consolidated Oil company, on the Bradenstein place, has been moved over into the Bitterwater country, as it is deemed too light for the company's present well. Heavier machinery will be substituted.

The Hollister Petroleum Development Oil company on the Baldwin ranch is energetically going down to oil sand. The casing has been driven 230 feet. No time is lost. Drilling is going on night and day. The indications are excellent and Driller Lamson is extremely hopeful of striking oil in a short time.

SHASTA.

The Mt. Shasta drilling has not yet been resumed. It will be as soon as the new stem is received.

Shasta Consolidated drill was working Tuesday at a depth of 210 feet in a sandstone that is much softer than that which was passed through in the preceeding 100 feet.

SANTA CRUZ.

At the Watsonville Oil company's well on the Sargent tract near Chittendens, after sinking the well to a depth of over 1100 feet it was decided to tap the oil sands found at a depth of 600 feet by perforating the casing. This work began last Saturday, but operations were suspended temporarily owing to the necessity of having some repairs made on one of the tools. In the meantime, after a lapse of twelve hours, the oil rose in the casing to a height of 75 feet. After pumping for some time ten barrels of oil was the result. The work of perforating the casing will be resumed and it is confidently expected that the well will have a capacity of fifteen barrels per day.

TEHAMA.

The Corning Oil and Gas company are now running a day and night shift, and are down nearly 150 feet. They have a large and continuous flow of gas, and their prospects for striking a good well are excellent. The company is now considering the advisability of utilizing gas for illuminating and other purposes.

KERN.

The Wizard has begun work on 26, 29-28.

Grading on the railroad to Sunset has been finished for about eight miles from Gosford. Track laying will begin shortly.

The McKittrick company's No. 2 seems to be getting into good shape and it looks as if the well would turn out to be a satisfactory producer in spite of the broken casing.

The Valley View, it is reported, has finished a well on section 12, 28-27, having struck the first showing at 1085 feet and stopping drilling at 1200.

The Operators Oil company has leased to Ernest Riall, the NE ¼ of the SW ¼ and the NW ¼ of the SE ¼ of 34, 12-24. Riall in turn has leased the property to the Patuxent Oil company, which was recently incorporated in San Diego.

The Century, on 24, 28-27, has finished its first well and will perforate some 70 feet. The well ends in the third sand, and the casing, which was reduced to the smallest size, will be plugged.

The Toltec, Senator, Sterling, Globe, Sovereign, Euclid, and Chicago Crude operating in section 30 and the north of 32, 28-28, have united in the building of a pipe line to convey their oil to the railroad and final connections will be made in about ten days.

The Spring well, on 11, 29-28, south of Kern River, has been pumping fifty barrels a day. The second hole will be drilling within a few days and will be sent down to a greater depth than the first in order to get the lower sands that are believed to extend below that locality.

The Silver King which took up the lease of Ludwig & Hickey on 17, 29-28, has begun pulling the drive pipe in order to insert 9 5-8 casing after which the drive pipe will again be used and the hole driven down to as great a depth as possible.

One of the biggest deals in real estate in Kern county recently made is evidenced in a deed, the consideration of which is $26,500, from Eugene Schlief, Emma and Ferdinand Koch, Theckla Kerler, Lina Teague, Alfred Teague and Marie Wachs to the Kern Investment company of parcels of land described.

Two Good Buys

WESTERN OIL CO. Capital $500,000

OPERATING IN SUNSET DISTRICT

LIMITED NUMBEROF SHARES OF FERED FOR 25 CENTS PER SHARE

MANCHESTER AND LIVERPOOL OIL CO.

Capital $500,000

OPERATING IN SAN LUIS OBISPO CO.

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SAN BENITO.

The Mulberry Oil company expect to commence drilling on the Daveggio place between May 1 and May 10. This company will have two rigs at work before many weeks.

W. V. Hollingberry has purchased a portion of 20, 17-12 adjoining land of the Hamiltonian, Esmeralda and other companies. This place is situated in the Vallecitos district.

SOLANO.

The Rochester derrick, which was burned down recently, has been rebuilt and work resumed.

The Vacaville Oil company is down over 600 feet.

Spudding is going on at the Armijo well.

LOS ANGELES.

The La Brea Rancho Oil company is confining its entire attention to the development of the heavy oil of the extreme north end of the northwestern extension of the local field. Already the company has succeeded in sinking eight wells. The heavy oil found there is rich in asphaltum properties, and being so thick that it is impossible to pump it in the ordinary way, the company has contracted for a bailing plant.

An Unsurpassed Opportunity.

The stock of the Western Oil Association now being sold at 10 cents per share is an opportunity seldom offered. When their vast holdings of proven oil lands are taken into consideration it may be very easily seen what a great future is before them, their possibilies in fact are almost boundless, and they are destined to become one of the strongest corporations operating on this coast.

Organized as they are after a careful and thorough study of every phase of the situation and with the absolute conviction and assurance of attaining the end desired, it is self evident why this company, composed entirely of business men of principle and standing, enjoys the utmost confidence of the people.

Every energy is being exerted to get the drills of the company working at the earliest day possible, and it will not be long before they will materially increase the work of developing the already great producing Kern River district, in which district some of their holdings comprise the very best lands.

Those who are so fortunate as to secure a block of Western Oil Association stock, even at many times the figure at which they have offered a limited number of shares, will surely see his investment double many times over.

The Gould Central Oil Co.

The Gould Central Oil company was incorporated January 21, 1901, under the laws of the State of California. The company's holdings consist of 5720 acres of oil land in the McKittrick and Temblor districts, and lying along the main oil belt between McKittrick and Devils Den, California. The first well on their property struck a ten barrel-a-day seepage, when it had to be abandoned on account of a mishap to the machinery. Well No. 2 is now down 400 feet with the best of indications. Oil will be struck within a short time.

The company has offices at 416-418 Alliance Building, San Francisco.

The Eastern Star company reports that wells 3, 4 and 5 are all in oil sand.

Obituary.

The Daily Oil News has passed to that bourne from which no newspaper returns. Peace to its ashes. The paper was conducted, as was its three predecessors in the daily oil paper business, by "experienced newspaper men, backed by abundant capital." Yet it failed to "meet a long felt want." Meanwhile, the subscribers who paid in advance are howling for their money. This is the fourth crop of similar howlers. Like an alfalfa field San Francisco may raise a fifth crop, but we doubt it.

The Famoso.

The Famoso Oil & Investment company are among the most successful operators in the Kern River district. They have now two wells completed and No. 3 is nearly finished. The company expects to sink fifteen wells within the next fourteen months. The quality of oil obtained is of the very best. The company has been offered a contract for 1,000 barrels of oil but prefer to hold the oil for better prices than can be obtained at present, as they expect that oil will sell for $1 a barrel before the first of January. The sale of stocks is very satisfactory and stockholders can rest assured that dividends can be paid as soon as the price of oil justifies the company in disposing of the product. The two wells finished will yield considerably over five hundred barrels a day.

Sunset Pipe Line.

The Occidental Oil company, without previous announcement, has begun laying a pipe conveying water into the Sunset and Midway oil districts. There is enough material on the ground to build two miles, and an amount that will reach nine miles further is awaiting the teamsters at Gosford. The line, it is believed, will be completed as far as the Occidental wells within twenty days, and the extension to 9, 32-23, north and east of the Bay City, will be completed in a few weeks later. The supply is derived from the Klipstein springs, back of Sunset, and has enough water to run 100 drilling rigs. In case there is a demand for it, double that amount can be developed.

Pacific Coast Underwriting Company.

The Pacific Coast Underwriting company have incorporated over 150 companies and have underwritten over $16,000,000 worth of stocks during the past year. They furnish interest bearing gold bonds to back stocks. If you wish to incorporate a company, sell stock or secure capital for the promotion of any legitimate enterprise

Call or address,
Main Office, 507-8-9 Parrott Bldg.

For Sale.

Good Standard Drilling rig in first-class shape with two strings of tools. Boiler in good shape; also good engine and new drilling cable. Stoves, dishes, etc., cookhouse, bunk-house, wagon-tanks. Will sell cheap.

Box 47, McKittrick, Cal.

Operating In Texas

In addition to our operations in the oil fields of California we are now heavily interested in Texas, and our investors are receiving double advantage. We will earn

Big Money

for our certificate holders this month, and it will pay conservative people to write us at once. Let us tell you what our investors say about us.

Standard Oil Promotion and Investment Co.

575-576-577 Parrott Bldg.
SAN FRANCISCO

Great Chance for Investment

The Attention of Moneyed Men

is called to our low capitalization, having only 100,000 shares at $1.00 par value. Our books are open to inspection.

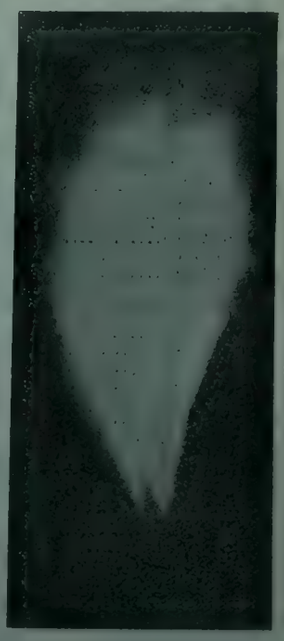
We own 400 acres and have 20 year leases on 3730 acres in the Stony Creek Gas and Mineral district.

Come and look our proposition over. We have no promotors' stocks. Every share issued has been paid for.

Are drilling day and night, and have struck a continual flow of gas at 80 feet.

You will have no regrets if you come and look over this wonderful region—10,000 shares of stock offered at 60 cents per share.

Write the secretary for prospectus and expert reports.



F. HOUGHTON, President — HENRY McGUINNESS, Secretary

CORNING OIL AND GAS COMPANY, CORNING, CAL.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, May 8:

CENTRAL PT. CON.

500 at	1 50		750 00

CALIFORNIA STANDARD.

400 at	36		144 00
500 at	35		175 00
500 (B10) at	36		180 00
2150 at	38		817 00

BLUE GOOSE.

20 at	2 00		40 00

BAY CITY.

200 at	1 35		270 00

FOUR OIL CO

1000 at	49		490 00
1000 at	50		500 00
200 at	47		94 00
1500 at	48		720 00

GIANT.

200 at	40		80 00

HANFORD.

4 at	97 00		388 00
2 at	95 00		190 00
4 at	98 00		392 00
4 at	96 00		384 00

HOME OIL.

20 at	3 40		68 00
550 at	3 35		1842 50
775 at	3 30		2557 50
825 at	3 25		2681 25
100(S3) at	3 20		320 00
100 at	3 22½		322 50
100 at	3 15		315 00

HANFORD-FRESNO-KERN RIVER.

100 at	15		15 00
100 at	14		14 00
100 at	10		10 00
100 at	9		9 00

INDEPENDENCE.

800 at	18		144 00
2500 at	17		425 00
500(B5)at	17		85 00

JUNCTION.

200 at	40		80 00
300 at	36		108 00
320 at	34		108 80
2000 at	35		700 00
300 at	39		117 00

KERN.

100 at	6 50		650 00
100 (B90)at	6 75		675 00
15 at	6 37½		95 62½
50 at	6 12½		306 25
100 at	6 25		625 00

LION.

500(S30)at	15		75 00
100(S30) at	15		15 00
1860 at	14		260 40
500 at	15		75 00

MONTE CRISTO.

100 at	2 45		245 00
20 at	2 30		46 00
100(S90)at	2 30		230 00
100 at	2 35		235 00
400 at	2 40		960 00

MONARCH OF ARIZONA.

500 at	49		245 00
700 at	50		350 00
738 at	47		346 86
1150 at	48		552 00

OIL CITY PET.

2600 at	28		728 00

PEERLESS.

100(S5) at	8 00		800 00
100(B60) at	8 50		850 00
50 (S90) at	7 87½		393 75
50(B90)at	8 50		425 00
60 at	8 00		480 00
50 (B60)at	8 50		425 00
50(S 15) at	8 00		400 00

PETROLEUM CENTER.

1100 at	13		143 00
300 at	09		27 00
1000 (B60) at	12		120 00
200 at	10		20 00
100 at	08		8 00
100 at	07		7 00
1000 (Cash)at	10		100 00
1000(B60) at	11		110 00
1000 (B60) at	12		120 00
13100 at	11		1441 00

REED CRUDE.

500 at	43		215 00
500 at	42		210 00
100 at	41		41 00
1600 at	40		640 00

STERLING.

100 at	1 97½		197 50
100(B3) at	1 95		195 00
50 at	1 75		87 50
300 at	1 95		585 00
100 (B 30) at	1 65		165 00
100 (B 60) at	1 70		170 00
360 at	1 55		558 00

SHAMROCK.

10 at	55		550 00

SAN JOAQUIN.

5 at	9 00		45 00
300 at	9 25		2775 00
15 at	9 12½		136 87½

TWENTY-EIGHT.

50 at	1 35		67 50
200 at	1 25		250 00

TOLTEC.

200 at	54		108 00

TWENTY-THREE.

100 at	9 87½		987 50

WOLVERINE.

5 0 at	1 05		525 00

Shares 52,257 Amount $36,185.31

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending May 8:

CALA. & UTAH.

300 at	25		75 00
2800 at	26		728 00

CALIFORNIA STANDARD.

7000 at	38		2660 00
1500 at	37		550 00
1300 at	35		455 00

FOUR OIL.

500 at	48		240 00
500 at	50		250 00

HANFORD.

2 at	99 00		198 00
3 at	97 00		291 00
6 at	98 00		588 00

JUNCTION.

300 at	37		111 00

KERN OIL.

20 at	6 75		135 00

LION.

1000 at	16		160 00
2000 at	15		300 00

McKITTRICK CONSOLIDATED.

100 at	06		6 00

MONARCH OF ARIZONA.

800 at	50		400 00
500 at	46		230 00
700 at	39		343 00
1500 at	45		675 00
4200 at	47		1974 00

PETROLEUM CENTER.

1000 at	10		100 00
1000(B 30) at	11		110 00
1500 at	12		180 00
2500 at	11		275 00

STERLING.

100 at	1 95		195 00
200 at	1 90		380 00
25 at	1 80		45 00

TWENTY-EIGHT

100 at	1 25		125 00

TOLTEC.

200 at	50		100 00

WEST SHORE.

200 at	2 70		540 00

Shares 32,056 Amount $12,419.00

The Southern Pacific continues to lease its property in the Kern River field for oil purposes. A lease has been recorded to B. Bienfield for the SW of 35, 30-22; also to A. Ruth for the N 1-2 of the S 1-2 of 1, 30-21. The lease is of the usual form made by the Southern Pacific, which calls for two wells in a year to be drilled to a depth of 2000 feet. The royalty demanded in the first lease is one-eighth, in the second 25 per cent of the product secured.

VALUABLE

OIL & LANDS

To Lease in the

McKittrick and Midway Districts

Address W. H. GILSTRAP,

Sec'y Visalia Non-Assessable Oil Co., Visalia, Cal.

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Lands for sale and to lease. Also will deed in consideration of development work.

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A full stock of all kinds of lumber

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Agents for the Occidental and sub-companies, Lone Star, Lion, Monarch. Sole agents for Corona and Golden West Stocks. Rooms 497, 498 Parrott Bldg. San Francisco. 'Phone, South 788.

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McKittrick,

Kern Co., Cal.

Oil Lands for Sale and Lease.

J. S. EWEN

Telephone Main 1552

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Oil Men, Attention!!

The Occidental Exploration Company buys, develops, exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

F. H. HAUSMAN, Secretary.

Room 32, 8th Floor Mills Bldg.

San Francisco, Cal.

What's the Use?

A group of oil men were discussing conditions one evening last week and the above question was propounded by one of the most prominent operators of the southwest field. "What is the use of drilling in defined territory where the results are anything but profitable at present prices and what is the use of drilling at all when you cannot play even at the game? What is the use of making an effort to develop new territory when there is no money to be made in that already developed?" There is subject for consideration in the question of the oil man. The market has been cut to a point where there is no profit in the class of territory which is now in sight. Prices for supplies of all kinds are high and the risk is continually growing greater in the search for new territory. With the Texas field having an influence in the markets of the world, the chances for profitable investment in the Eastern fields will have gone glimmering, but as yet there is nothing to indicate that Texas oil will be a factor in the world's markets for illuminating oil, and there is absolutely no cause for the depression in prices for the product of the Eastern fields by reason of any of the Texas product having been or likely to be introduced in the world's markets at the present time, or in the near future, and Texas oil may become a competitor of coal in certain markets, but it is not liable to cut much of a figure in the world's consumption of the products of the lighter oils. The comparison of Texas with Russian oil fields is ridiculous. In Russia the formation from which petroleum is derived is known to be 500 feet or more in thickness and deeper drilling of the wells has been the cause of keeping up the production rather than extension to territory. A very small area in acreage covers the extent of Russian prolific territory. Texas gushers seem to derive their production from a formation which is not thick and which is underlaid by a stratum of sulphur. The life of Texas gushers is an unknown quantity but it's not probable that they can be compared to the large wells of the Russian fields. While all the talk and guess work relative to Texas is going on and producers of the Eastern fields are floundering in the mire of uncertainty they may well pause and ask, "what's the use?" As is usual at this season of the year refined products are very dull and prices represent sales for immediate use only. No dealers in refined products are carrying any stocks. That later on the world must have our oil is a certainty, and when that time comes the Standard Oil company will advance prices for refined oils in "the markets of the world," but whether the producers will be permitted to share in these profits or whether—as in the past—the refiners will derive the greatest percentage of the profits remains to be seen. If the producers are to be made the easy mark for great dividends accruing from the wide margin of profits between the price for their crude products and the price for refined oil in the markets of the world, then they may well ask "what's the use? Not in years have the Eastern fields presented so many encouraging features for profitable operations as at present, but if these features count for naught, then indeed "what's the use?"

Petroleum a Mineral.

The same ruling does not always work out the same ends. In California the state and federal governments both hold that petroleum land is mineral land, and thus the oil industry is greatly benefitted. In Texas the state government owns school lands in the Beaumont oil fields, and a state law makes it the duty of the land commissioner to sell school lands to any person filing a mineral claim thereto at the regular public land price. One man has brought suit to compel the commissioner to sell him land on which he has made a filing for oil purposes on the contention that oil is a mineral. The courts will have an interesting duty to perform in determing when oil is a mineral and when it is not, and aside from showing the intent of the law, it will be difficult to produce positive evidence to show that it is ever in truth a mineral

California Oil Boom.

The boom in California oil stocks seems quite inconsistent with conditions and prices obtained for the products of those fields for fuel. A well known producer of the Eastern fields who has just returned from a tour of investigation of the California fields is authority for the statement that one of the large companies which has a large production, in order to market their product, recently closed a contract with the Spreckles Sugar refinery of San Francisco, for oil for fuel delivered, at 63 cents per barrel and of this a freight charge of 46 cents per barrel must be paid to the railroads hauling the oil, leaving 17 cents per barrel for the producer, who must find means to tank and handle the oil before it is loaded in the cars. The stories of the fabulous fortunes being made in the California fields are unfounded.

New Pipe Line.

Arrangements are being perfected by the Commercial Oil and Realty company for a pipe line from White River to supply the rigs drilling in the White River district with water. It will be laid with two and three-inch pipe, and will be about five miles in length. This will be a source of considerable revenue to the company, as the scarcity of water without long teaming is one on the gravest situations which a driller has to contend with.

The Commercial will erect their derricks and camp as soon as the pipe line is completed.

Fuel Oil Permits.

Resolutions have been passed by the Board of Supervisors granting permission to the Pacific Packing House to erect and maintain a storage tank having a capacity not exceeding 2000 gallons, for the purpose of storing crude oil or petroleum for use as a fuel; also to the California Saw Works, a 2000-gallon tank at 208-212 Mission street; Oriel Glass Works of San Francisco, 1000-gallon tank at corner of Sansome and Filbert streets.

Pacific Coast Manufacturing Co.

Successors to

Boothe Manufacturing and Supply Company

126-128 South Los Angeles street

LOS ANGELES, CAL.

OIL WELL MACHINERY Drills, Tools and Supplies of Every Description

Everything necessary to drill and operate oil or water wells. Complete plants furnished and installed.

Steam and Gasoline Engines

Boilers, Pumps and Air Compressors.

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45 Sutter St., San Francisco, Cal.

TELEPHONE, BUSH 209

If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

Commercial Oil and Realty Co.

Capital $1,000,000. Par value $1.00. Shares 1,000,000. Incorporated under the laws of Arizona. All stock fully paid and non-assessable. 2,400 acres patented land. Will give long time option without cash payment.

Water and Oil Pipe Lines, Storage Tank, Refineries

Same plan as Standard Oil Co., which has paid its stockholders millions of dollars. Shares 25 cents each. We want you to represent us. Write us.

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and

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We have some of the most promising Oil Lands in

KERN, VENTURA AND FRESNO COUNTIES

Which we will dispose of at exceptionally reasonable terms.

We are also prepared to sell stocks in reliable companies operating in California.

Information freely furnished on all matters pertaining to the Oil Industry.

Call on or address:

SHEA & PETERSON

301 HEARST BUILDING

SAN FRANCISCO, CAL.

A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

LOW CAPITALIZATION

Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

$2 Per Share

A GUARANTEED INVESTMENT

With the first well in oil, railroad running through the property, under the management of well-known, conservative business men, 80 acres of proven oil land in Sections 8 and 10, 29-28, Kern River District, recommends the investment to conservative investors. . . . . .

Officers and Directors—George L. Dillman, M. A. De Laveaga, William Palmtag, George D. Clark, Thomas Flint Jr. W. C. Graves, Attorney. . . . . .

Office 402 Kearny Street

W. C. GRAVES, Secretary.

Gould Central Oil Company

Nine Square Miles of Oil Lands

In the McKittrick and Temblor Districts, Kern County, Cal.

The Gould Central Oil Company has acquired 3800 additional acres of oil land in the immediate vicinity of its already large holdings in the McKittrick and Temblor Districts, Kern county, and now has 5720 acres along the main oil belt from McKittrick to Devil's Den. Is now drilling with its own plant Well No. 2 on the NE¼ of section 18, 29-21, McKittrick District. A limited number of shares offered for sale at 20 cents each. Full prospectus furnished on application.
San Francisco office, rooms 33-34 Alliance Building, 416-418 California street.

ENGLISH CAPITAL AT COALINGA

Organization of the New Company to Operate in this Field.

An English contemporary states that the California Oilfields, Limited, has been incorporated with an authorized capital of 300,000 pounds, in shares of 1 pound each, of which 65,000 are to be allotted to the vendors and 185,000 have been offered for subscription.

The first directors of the company are Messrs. Robert Balfour, of Balfour, Williamson & company, 6, Crosby Square; Joseph Beausire, of Joseph Beausire & company, 18, Water street, Liverpool; John Halliday, of The Arracan company, Limited, 57½, Old Broad street; Charles Henry Moore, Director of the Baku Russian and the Russian and Liquid Fuel companies, and Archibald Williamson, of Balfour, Williamson & company, 3, Fenwick street, Liverpool.

The secretary of the company is Mr. Arthur W. Rowe, and their registered office is at Dashwood House, New Broad street, E. C.

SITUATION AND PRICE OF PROPERTY.

The company is formed to acquire and develop seven sections of oil land containing 4,480 acres (seven square miles) or thereabouts, situated in the Coalinga oilfield, Fresno county, California. This oilfield is distant about 296 miles by rail from San Francisco in a southeasterly direction.

The property has been obtained by the Balfour-Guthrie Investment company from the California Oil & Gas company, for the sum of $600,000, in United States gold coin, and fully paid shares of this company of the par value of 65,000 pounds.

THE EXPERTS' REPORTS.

Mr. Hague, one of the experts, who has examined the property, reports that the Coalinga Oil company, who are working wells on land immediately adjoining the property to be acquired by this company, have drilled into the oil-sand of the thickness of eighty-five feet.

"Wells in sands of this character have proven very lasting, extending over a period of fifteen to twenty-five years. While no expert or practical operator can determine in advance the result or product of any single drilling, or calculate without mistake the future of any tract, it may be predicted fairly that the property now examined has opportunities and prospects second to none in the state, especially when we call to mind the fact that the adjoining tracts are producing oil lightest in gravity of any California oil, and with a pressure of gas unequalled."

Dr. Boverton Redwood's report states: "From the study of the geological data, it is evident that in respect of some of the sections there are three super-imposed beds, each of which may be regarded as a source of heavy oil, and that in addition to heavy oil, some of the sections will yield light oil. The lands are likely to yield light oil from 980 acres, and heavy oil from 3,410 acres . . . Though the blocks are virgin ground, the highly successful operations on adjacent portions of the same unbroken continuity of strata leave little speculative character to attach to the exploitation of these areas, which are integral parts of the same rich field."

The present issue will provide the company with a working capital of not less than 40,000 pounds, which it is believed will enable the company to develop the property along the most advantageous lines.

A Golden Opportunity.

With commendable energy and able management the Standard Consolidated Oil & Land company are getting their affairs in shape to begin active operations for the development of their properties. Their holdings in section 19, 28-28 is considered by experts to be as fine an oil producing property as there is in the great Kern River field. Between 850 and 950 feet is the general depth drillers go to reach the heavy body of oil sands in this section. On all sides of the Standard Consolidated, are wells producing from 300 to 500 barrels per day. When this company completes the three of the six wells they have contracted for, in this district, their production from the same can be figured at about 1000 barrels per day. This is a golden opportunity at present for the investor to procure stock in this company, especially at its present low price and lay the foundation for large and substantial profits to be realized in the near future.

Standard Rock Oil Co.

The derrick, bunk and outhouses for well No. 2 are being erected and will be ready for the machinery in a few days.

Mr. J. L. Berry, the contractor and oil well driller, who has drilled many wells in the McKittrick district and has yet to record a dry hole, has the contract for drilling for this company. He has such confidence in the prospects that he has offered to drill the wells, taking half payment in stock of the company.

Such an opinion from a practical oil man doubly guarantees the outlook for rapid and successful development.

In San Bernardino.

Mr. W. A. Fourness, who has property in San Bernardino, reports a ready demand for land in that section at good prices. Although this is a comparatively new district, prospecting is being pushed with vigor and nine rigs are drilling or in process of erection.

Mr. Fourness has numerous valuable oil, land, and mining properties in various parts of the country which will appeal to the investors in these properties.

Any enquiries in regard to lands or companies under his direction will be cheerfully answered at his offices, 227, 228, 229 Parrott building, San Francisco.

A BIG SAVING.

Good Results Obtained by Using Fuel Oil in Alameda.

Oil has been used for fuel in the Alameda electric light plant for a few weeks. Yet in that short time it has been demonstrated how much cheaper crude petroleum is than coal. The electric light plant of Alameda is not very large and does not require nearly the amount of power to run it as is required in many private manufacturing concerns in San Francisco and in many places across the bay.

The total expense of the electric light plant for April was $1546.53, according to the reports made to the City Trustees on Monday night. It was also reported that the saving over coal, by the use of oil for fuel, amounted to $16.40 per night, or a total for the month of April of $492.

In other words, had not the oil-burning plant been installed, the cost of the electric light plant of Alameda for the month of April would have been $2058.52, instead of $1546.53.

If an actual saving of twenty-five per cent can be made in the Alameda electric light plant by the use of oil for fuel instead of coal, the same saving can be made in other plants where now coal is used.

This has been demonstrated in many instances. Every experiment made thus far under proper conditions has proved satisfactory. Oil is coming into general use by manufacturers, large and small. Its use is increasing daily. In a few months it will practically have taken the place of coal in all the manufacturing plants of the Pacific Coast.

DISCRIMINATION.

The Southern Pacific Favors Texas Against California.

An El Paso letter to the Examiner from Edward H. Hamilton in regard to freight rates is interesting especially to California oil men. The letter is quite lengthy, but when summed up states the following facts:

It costs 46 cents a barrel to haul California oil 314 miles from Bakersfield to San Francisco; it costs 19 cents a barrel to haul Texas oil 916 miles from Beaumont to El Paso.

From Bakersfield to San Francisco the grade is practically all down hill, Bakersfield being 415 feet above the sea level, there being no intervening mountain ranges between it and San Francisco. From Beaumont to El Paso the grades are heavy. The Texas oil having to be hauled to the summit at Paisano which has an elevation of 5082 feet while Beaumont has only an elevation of thirty-two feet above the sea level.

The Southern Pacific has no competition between Beaumont and El Paso; between San Francisco and Bakersfield the Southern Pacific is supposed to have the competition of the Santa Fe.

If Mr. Hamilton's figures are right there is surely need for the California Railroad Commission to take immediate action, and compel the Southern Pacific company to reduce its rates from Bakersfield to San Francisco so that they correspond with the rates from Beaumont to El Paso.

In Fresno-San Benito.

It is reported that the Ohio Oil company, of which F. D. McKinley is president, has struck oil in the north half of section 23, township 16, south range 12 east. The extent of the flow of this newly developed well has not been learned. This company owns 320 acres, comprising the north half of the section upon which the well is located. This district is commonly known as the Silver Creek This oil is similar to that found in section 20 and it is the best quality, being of paraffine base.

Less Coal, More Oil.

J. W. Harrison, in his weekly report of the coal industry says:

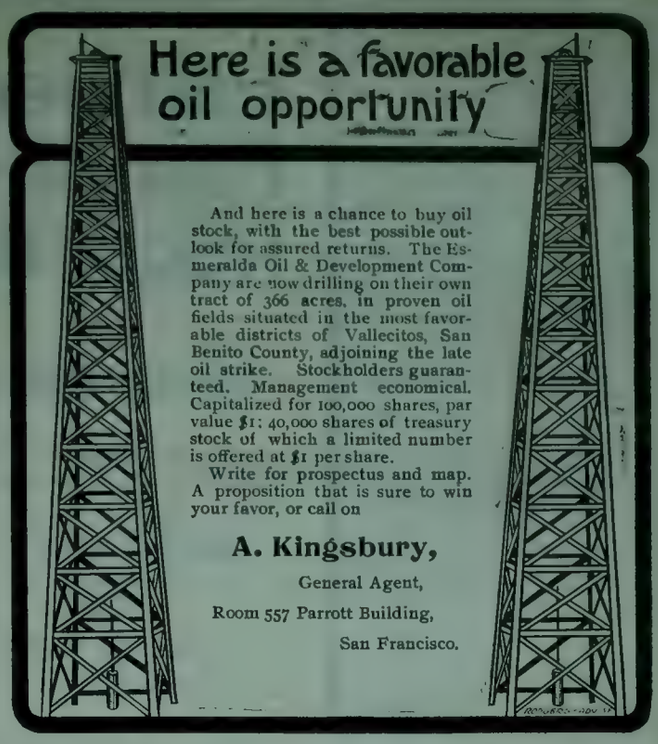
"Most of our largest coal buyers are changing their boilers, etc. to utilize fuel oil, which means a pronounced falling off of coal imports later on. Prices so far remain fairly steady, and business is moderately brisk, but contracts are being drawn for future delivery at shaded figures, so as to meet the oil competition."

Calistoga Oil and Dev. Co.

The rig for the Calistoga Oil and Development company has arrived at Calistoga and will be put in place and started at once.

Mr. Todd, the Vice-president of the company, has returned from the south where he has closed contracts for water on their San Benito properties. The rig for this section will arrive about May 20th. Mr. Todd leaves for Calistoga to-day where he will superintend the placing and starting of the first well.

Bakersfield has adopted the plan of sprinkling its streets with oil.



We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

For a few days only we will sell stock at ten cents per share.

First well completed about May 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed. No agents. No prospectus. Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.
T. A. KIRKPATRICK, Secretary.
HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.
First National Bank of San Francisco, Depository.

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Nearly 3000 acres oil land and a promising gold mine already fairly developed
Wanted, Agents in every town.
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Fiscal Agent.
628 Laughlin Building, Los Angeles, Cal.

Not Quantity of Land but Quality
SILVER STAR OIL COMPANY
Capital Stock 300,000 Shares — Par Value $1.00 per Share

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell
WORK HAS COMMENCED The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at 25 CENTS PER SHARE. Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

OIL DIRECTORY

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capital, $350,000. Number of shares, 350,000. Land, 320 acres—160 acres in Kern River district, 160 acres in Sunset district. All stock guaranteed by the Pacific Coast Underwriters' Association. Officers—President, John P Albro, San Francisco, vice-president, A J Munton, San Francisco, secretary, T A Shepard, Oakland, general manager, S D Miner, Oakland, treasurer Germania Loan & Trust Company. Directors John P Albro, A J Munton, T A Shepard, S D Miner, Capt E E Whitney, Frank Du Bois, Geo W Magwood. Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$1,5000,00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 120 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W W Benchley; W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 4 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1680 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MOUNT SHASTA OIL AND DEVELOPment Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MULBERRY OIL COMPANY.
Incorporated March 5, 1901, under the laws of the Territory of Arizona. Stock non-assessable. Capitalization $500,000 divided into 100,000 shares par value $5 each. This company owns 260 acres on the San Benito River in the San Benito district. Oil found in this district is of the best paraffine base. Officers—Edward Bowman, President; Richard Keller, 1st Vice-president; B. Struven, 2nd Vice-president; S. M. Snyder, Secretary and Treasurer; H. G. Davis, Attorney. Directors—Edward Bowman, Richard Keller, B. Struven, S. M. Snyder, H. G. Davis, C. M. Depew, M. B. Ryer.
Offices—927 Market St., rooms 218, 21

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Houghton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) Building, San Francisco.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29. and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn. W. W. Hutchinson-Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal,

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone—Main 671.

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
Location: SW¼ of NE¼ 7, 28-28 M D B and M, Kern River district.
Officers and Directors—J F Harris, president; Irwin D Martin, vice-president; R K Roberts, secretary; J H Edson, manager; Union Trust company, treasurer; W E Robinson, Springfield, Ill., J H Edson, Oakland, Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 228 A street; Portland, Ore, McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street; Kansas City, 306 Nelson building.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco, Cal

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200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

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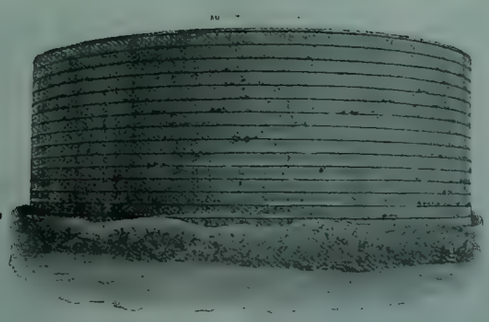

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Los Angeles—348 E Second street

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Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick, Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

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Los Angeles, California.

400,000 Shares of Oil Stock

NON-ASSESSABLE STOCK

California & Utah Oil Company

Incorporated under the laws of the State of South Dakota. Capital $1,500,000; par value $1.00 per share.

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PERCY VON LOESECKE (formerly cashier for Henry Schmiedel), Secretary.

CHAS. W. HENDEL, Treasurer. E. B. CUTLER, Attorney.

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The lands are located as follows:

Great McKittrick	160 acres	Tehachapi District	160 acres
Kern River	40 acres	Santa Cruz District	60 acres
Devil's Den District	240 acres		

And are known to be in the Heart of the best Producing Oil Districts.

TWO RIGS NOW BEING ERECTED.

Drilling on Section 10, Township 30 S., Range 21 E., McKittrick District, to be commenced about May 1. This property is adjacent to the largest producers in the State.

We are negotiating for other approved Oil Lands, the leases of which are on file, with option clause to purchase.

The second block of stock to the amount of 100,000 shares is now selling at 25 cents per share.

The company reserves the right to withdraw all stock from the sale without further notice.

FOR FURTHER PARTICULARS ADDRESS OR CALL AT OUR OFFICE. PROSPECTUS ON APPLICATION.

Capital, $200,000 No. Shares, 200,000

Incorporated September 20 1900.

Lincoln Oil Company OF OAKLAND, CAL.

WITH WORKS IN KERN RIVER FIELD

Great Inducements Offered to Investors for A Short Time.

1686 Acres of Oil Lands

This company has now passed the experimental period, and is reckoned among the soundest in the field. It has a large tract of oil land in Kern River, Sunset, and other leading oil districts. It is thoroughly up to date, owns its own rigs, tools and buildings and appliances for development.

Well No. 1, on section 14, 28 27, Kern River district has passed through rich oil sand and will soon be finishedwith the best kind of drive casing. The company expects to finish not less than ten wells on this tract.

Buy this stock, and make some money. It is sure, honest, and safe.

This splendid company has been shut down for forty days waiting for a carload of drive-pipe, which arrived on the 28th of March, and is being put down by a crew working night and day.

It was found that when work was ready to proceed, eighty feet of oil had oozed in from the bottom.

For further information apply to

J. H. EDSON, Central Bank Building, Oakland, Cal.

A few Reliable Agents wanted to sell our Stock

Endorsed by the California Petroleum Miners' Association.

VOLUME 2 NUMBER 28

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MAY 17, 1901.

R.H. HERRON CO.
DEALERS IN
Oil Well Supplies
Largest House on the Pacific Coast.
THE LATEST IMPROVED MACHINERY AND TOOLS. READING CASING AND TUBING.
SAN FRANCISCO. LOS ANGELES.
BAKERSFIELD. McKITTRICK
AND COALINGA.

CASH DIVIDENDS PAID MONTHLY

RESULTS

is what the man wants who invests in oil stocks. Those who place their money with us get results every month. Investments placed with us now will earn

100 Per Cent

within a short time.

We are now operating in both the Texas and California oil fields and our investors have double advantages, as they will derive the profits from our transactions in both states.

CERTIFICATES REDEEMED

at their face value at any time after ninety days. A certificate of deposit and a written guarantee given to each investor, which makes the investment just as secure and far more profitable than

GOVERNMENT BONDS

Get in now and make money. Information and Prospectus Free.

Standard Oil Promotion and Investment Co.

575-576-577 Parrott Building,

SAN FRANCISCO

PACIFIC OIL REPORTER

VOL. 2. NO. 28. SAN FRANCISCO, CAL., FRIDAY, MAY 17, 1901. PRICE, TEN CENTS

A NEW OIL CONSUMER.

North Pacific Coast Railroad Adopts Oil Fuel.

How Coal is Being Supplanted in Transportation Business.—Detail Plan of Installation.

BY C. L. ARQUES

It is with reverence and respect that the modern engineer turns toward the commercial prince who has the energy and enterprise to proceed along the lines which science points out. Mr. James B. Stetson of the North Pacific Coast railroad is such a man, and the oil industry owes as much to him as did the Atlantic cable to Cyrus Field.

It seems fit that the first railway system to change entirely to the use of oil should be the North Pacific Coast railroad. Fit because from the time the traveler turns from the dust and soot and din of San Francisco, and steps lightly upon the deck of the magnificent new ferry, "Tamalpais," with its white steel hull and well designed machinery that propels you to beautiful Sausalito, with its cozy bights and placid bay, the mind is ever ready for the æsthetic. From Sausalito begins the railway proper, thence through the residential districts of Corte Madera, Larkspur, and Ross Valley, to San Anselmo, where the railroad diverges, one branch running to San Rafael and San Quentin, the other running over the summit at White's Hill at an elevation of 528 feet, then descending through the San Geronimo Valley, Lagunitas, Camp Taylor and Tocaloma, it reaches the shore of Tomales Bay at the town of Point Reyes. Through the prosperous dairies of Marin county, until the railway darts into the shades of the giant redwood forests of California, is a landscape of surpassing beauty. Thence along the Russian River to Cazadero is a continuous voyage through a veritable hunter's paradise.

Today this scene is unsullied by clouds of the locomotive's heavy black smoke, and one may travel with as much immunity in an open car as could be enjoyed in a dashing four-in-hand upon a dustless road.

The oil which is used in the operation of this system is brought up from the Peerless oil wells of Kern River by the United Oil Producers, thence it is loaded upon their barges, which hold 1000 barrels (42,000 gallons) each. These barges are then taken across the bay to the Sausalito slip, where the oil is pumped into the receiving tanks of the N. P. C. R. R. The tankage is divided into three receptacles of 20,000 each, or a total storage of 60,000 gallons. These steel tanks are placed upon framework at a height of twelve feet above the level of the rails. In appearance they greatly resemble water tanks of fine construction and symmetry. The locomotives are then enabled to run alongside and take on their load of fuel oil by gravity in the same manner as they take on water.

The locomotive's storage is carried on the tender, and consists of a very neat and compact tank of about 1000 gallons capacity. This tank is placed so the oil will gravitate towards the burner. A live steam pipe with open end is inserted in the tank with outlet about six inches from the bottom. The steam for heating is thus turned directly into the oil and whatever water is condensed is drawn off at the bottom of the tank by means of a water valve. The furnace setting consists of a fire-brick lining of the water legs with a brick arch top, making a retort or oven of fire-brick, into which the flame is directed. The arch is sprung across the side walls at a point below the tubes and about twenty inches above the bottom course of brick. After first impinging upon the interior of the retort the flame is broken up and returns to the front of the arch (the retort being closed at the farther end), when it spreads and is carried over to the boiler proper. This setting is giving as good results as are obtained in Russian practice, where the discovery of oil in the Black Sea region gave early impetus to the extended use of oil upon the railway systems of that country. The design is due to the combined efforts of Superintendent E. H. Shoemaker and his able staff of mechanics, and bids fair to become the standard of railway practice.

The burner is under absolute control and any desired heat may be obtained from it. Where stops are made for any length of time, the flame can instantly be cut down to a minimum. When the locomotive is at rest the stack can be hooded by means of a damper, so that the heat can be prevented from being dissipated by cold draught. It is possible to entirely extinguish the flame for ten or twenty minutes, and by simply turning on the oil and steam supply again the gases are ignited from the hot brick. This proceedure, however; is strongly condemned by experienced engineers, who claim that when there is absolutely no fire in the box that cold draughts of air enter and leaky tubes are the inevitable result, and as a general rule, where a stop is made advantage is taken to inject feed water into the boiler, which makes an additional condition to contend with. There is no fuel where as much judgment and care must be exercised as with oil. The immense range of heating power which can be brought into play instantly causes the admonition to

SCENES ON THE NORTH PACIFIC COAST RAILROAD.

San Rafael, County Seat of Marin County, on the N. P. C. R. R., and Hotel Rafael.

Railroad Bridge Across Russian River at Duncan's Mills, on the N. P. C. R. R., near the Northern Terminus.

Tocaloma, a Summer Resort on the N. P. C. R. R.

the fireman not to abuse the power that this subtle fuel possesses.

But a short time since, a mechanic who was just about to start up for the first time with oil, a 60x16 stationary boiler, wagered the engineer in charge a silk hat that he would have forty pounds of steam from cold water in forty minutes. The mechanic won the hat but it is a question as to what benefit the boiler received.

It is interesting to note the relative room occupied by oil as compared with wood and coal. Upon the ordinary narrow-guage tender which is built to carry, say, six tons of coal, its equivalent is found in an oil tank six feet by three and one-half feet by seven feet. One is impressed with the excellent opportunity that presents itself for the cutting down the size of the tender where it is possible to obtain oil for fuel. In fact it would seem that the inauguration of oil portends a radical departure in locomotive design. A single tank of proper construction could be made to serve the double purpose of furnishing storage for both feed water and fuel oil supply.

At present the fireman needs no shovel and there is no occasion for him to leave his seat. A more vigilant lookout is thus insured and the ever watchful eye of the engineer now receives the constant aid of his comrade of the cab.

White is the color of the North Pacific Coast Railroad. The beautiful homes and summer residences that overlook the line are immaculate in their new garb.

The girls and boys of the outing clubs have donned their suits of white duck and even the sails of the yachts in the bay glisten with that look of newness.

If you desire jaunty, cheerful surroundings, take a trip over the North Pacific Railroad, and no matter what your tastes, it may be ventured that you will be willing to "miss the last boat" to remain another day in the country where the traveler asks, "Why do the angels stay in heaven?"

We are indebted for the information contained in this article to Honorable James B. Stetson, Mr. H. E. Shoemaker, superintendent, and his able corps of operatives, whose courteous treatment and kindly attentions are greatly appreciated.

HE STOLE THOUSANDS.

Judge W. W. Allen Sr. a Defaulter of the Diamond Oil Company.

A Notice of a Bank Overdraft Opens the Eyes of the Directors—Only a Small Amount of the Money Recovered.

The Diamond Oil company seems to be in considerable trouble. Last week a letter was sent by the company to each stockholder. This letter is concerned chiefly with a statement in regard to the situation, financial and otherwise, of the company. It refers particularly to the former secretary and manager of the company, Hon. W. W. Allen, who, when the company was first organized, was referred to by the promoters of the company as one of the strongest men who could be obtained to act as manager of its affairs. He was pointed out as being a man of exceptional legal ability, of unquestioned integrity, and as having a wide acquaintance and friendship among men of professional and business standing.

In the letter which was sent to the stockholders of the company and which is here published in its entirety, Judge Allen is openly accused as having appropriated for himself between seven thousand and ten thousand dollars belonging to the company and the words "rascality," "stealings," "perfidy" are freely applied.

The company has its first well down about 900 feet but no work has been done on the well for some months; in fact, for a considerable time the sheriff was in charge of the property on account of an attachment levied upon it by a former driller.

The company now proposes to continue work in a most energetic manner.

The old board of directors has been removed, General Seamans, Honorable W. C. Alberger and others of equal prominence having resigned or having been forced out, the only one of the original officers remaining being Honorable E. D. Berri, brother of the well-known New York congressman. Colonel Berri is making a brave attempt to pull the company out of its present predicament and probably will be able to do so, although the unpleasant notoriety given his company by sending out the following letter will not have a very good effect on the company's affairs.

SAN FRANCISCO, May 7, 1901.

To the stockholders of the Diamond Oil company: In answer to many inquiries regarding the affairs of this company, we feel it our duty to make you fully acquainted with the situation as it is today.

The former secretary and general manager of this company, Mr. W. W. Allen, Sr., in whom the directors had utmost confidence, had, practically, the entire control of this corporation during the time of its existence, up to January 9th of this year. Repeated efforts had been made by the stockholders here to get a statement from him for several months prior to that time, but, through pleas of sickness, necessary absence, family sickness, and things of that character, the report was delayed until becoming exasperated, a peremptory demand was m de upon him for such statement, and, after almost a physical combat with him, he was finally forced out of the office and an investigation had of his accounts with the result that it was found that he had appropriated between seven and ten thousand dollars, the exact amount of which we have not as yet been able to determine.

He was immediately confronted with the enormity of his perfidy, admitted his rascality, pleaded his age and sickness, and turned over all of the stock which he held in the corporation and $620 in money, which seemed to be all that was left of his stealings. We thought at the time that the stock would be sufficient to cover all of his indebtedness, but, of course, before we can ascertain that, it is necessary to have the same sold.

This has not been done as yet owing to the fact that the company is not now operating, and we did not desire to put the amount of stock that he held at that time, amounting to about 35,000 shares, on the market for fear that it would break down the price of the Diamond stock. Consequently that stock has not, as yet, been disposed of.

You can readily see that had it not been for this there was plenty of money on hand to complete the well we are now drilling and another one as well, inasmuch as we have first-class machinery and appliances of all kinds, own our land and owe no debts.

The management of the company has been entirely changed, and responsible and honorable men now have control, and we have no doubt that in a very short time the institution will be placed on a paying basis.

If we succeed in disposing of this block of stock surrendered by Allen, there will be no loss to the corporation eventually at all.

There is no doubt that many of the letters sent by Allen to stockholders are absolutely false and designed to deceive them. You, no doubt, have received some of these. Yours very truly,

DIAMOND OIL COMPANY,
M. M. CAROTHERS, Secy.

Col. E. D. Berri, President of the Diamond Oil company, is very emphatic in his statements as to the culpability of Judge Allen:

"Judge Allen," says Col. Berri, "exercised a great deal of authority in his capacity as general manager. He received the money obtained from the sale of stock, and paid it out in checks signed in his own name. He was trusted, and had full authority.

"We supposed that he was paying out money for supplies, wages, etc., at the well, but when we found out certain bills had not been paid we supposed had been paid, we began an investigation, put an expert on the books, and soon uncovered a lot of shortages.

"When Judge Allen was confronted with proof of his shortage at first he denied it, but when told that a detective had been shadowing him for some time, and that he had been seen cashing checks in drug stores and elsewhere he broke down and agreed to make restitution so far as possible. The Diamond Oil company received from Judge Allen $620 in cash also 35,000 shares of stock. This in a measure compensated us for the loss we had suffered through Judge Allen's peculations. It did not,

London Oil Company

Owns 5,000 Acres Experted Oil Lands

SIX BIG POINTS FOR INVESTORS

Point No. 1 Large acreage, 5000 acres makes a valuable asset for a company to build on in strengthening the safety of the funds intrusted by the investor.

Point No. 2 Five sub-companies are now forming to operate on these lands. Stockholders get the benefits from their operations as they each one pay a portion of their profits to the London Oil company.

Point No. 3 A rig has been ordered by one sub-company, the London-Calistoga, and will be at work drilling this month.

Point No. 4 Over fifty companies are now operating in this Fresno-San Benito district. Experts all agree that much may be expected from this district.

Point No. 5 A pipe-line charter has already been secured to Firebaugh on the San Joaquin river. River boats can take the oil from here, thus entirely eliminating thepossibility of a stagnation of the progress of the district on account of the lack of transportation facilities or thedetriment of exorbitant freight rates. A big pointer.

Point No. 6 Our officers are men of local and national reputation. Mr. C. H. Phillips, president; Hon. J. M. Gleaves, vice-president; Mr. O. A. Lane, secretary and general manager; Hon. James G. Maguire and Mr. C. H. Dunsmoor, directors.

The non-assessable treasury stock of this company is now selling for 50 cents per share. Call or write to the office of the company for prospectus or further information.

LONDON OIL COMPANY Rooms 6 and 7, 8th floor Mills Building, San Francisco, Cal.

however, begin to equal the full amount of our loss."

That is the story of the Diamond Oil company.

On the other hand friends of Judge Allen say there is another side. His son, W. W. Allen, Jr., and his son-in-law, Mr. Henderson, of Henderson & Allen, attorneys in the Parrott building, are outspoken in their defense of Judge Allen and in condemnation of the Diamond Oil company and its methods.

"If anyone is a defaulter," says Mr. Allen, Jr., "it is not my father, but the man who really is the head and front and manager of the Diamond Oil company, Mr. W. O. Hilbish, whose reputation in San Jose is well known.

"Most of the money received by my father from the sale of stock went through Mr. Hilbish's hands, and he deducted from the amount received his commission as the man who managed the sale of the stock. The books were left in the most careless and incomplete fashion, and so far as my father was concerned he was undoubtedly very careless in making the proper entries.

"When charged with a shortage, and threatened by Mr. Hilbish, he became terrorized, and being old, weak and sick he agreed to almost anything rather than be charged with a crime which he had not committed. He dreaded publicity and notoriety such as would be occasioned if a crime was laid at his door, consequently he gave Mr. Hilbish and his associates whatever he could in order to satisfy them and put himself out of their power.

"When the charges against my father were first made, the other directors on the board such as General Seamans, Colonel Alberger, I. J. Truman and John Jenkins demanded an investigation of the charges and the right to examine the books. They were told they had no legal rights in the board, their requests for an investigation were denied, and they were practically thrown out.

"My father is now in Texas on business for a San Jose company which is interested in the Beaumont oil field. If he was here he could speak for and defend himself, but in his absence his friends can talk for him.

"At first we were inclined to believe these stories that my father was a defaulter, but now that the truth has come to the surface we believe in his innocence, and that if a defalcation has occurred some one else is to blame rather than Judge Allen.

"Judge Allen was honest and his honesty led him into frequent clashes with the company and Mr. Hilbish in particular. One time in his absence a circular letter was printed which contained statements greatly misleading. He refused to allow the letter to be sent out. It read as follows:

Struck oil! What a fascinating charm those two words have had to thousands of investors during the past year. The oil fields of California, experts tell us, surpass any the world has ever seen; fortunes have been rolling into the pockets of investors who were keen enough to appreciate the situation when the first big strike was made a little over a year ago. Stocks that were selling for a few dollars a share are now in the thousands. The times of '49 are about to be repeated, the excitement is daily increasing, and the coming year will undoubtedly see many millionaires created through California oil as they were in '49 through California gold.

We enclose you a prospectus of the Diamond Oil company, considered one of the strongest companies now in the field. We are now down over 900 feet in well No. 1 and in oil; well No. 2 will be started immediately, and we sincerely believe the company will be paying large dividends within a few months. The management of this company is in the hands of some of the best known men in California, whose names alone are a sufficient guarantee that the affairs of the company will be conscientiously managed. A few dollars invested now may mean a fortune.

Fill out the enclosed application blank and forward to us with money order or bank draft and certificate will be sent to you at once, or if you prefer, we will send same by Wells, Fargo Express, subject to examination, to be paid for when received.

Opportunity is a fleeting dame; we hesitate and she is gone and we are left to dream as thousands do "what might have been." Don't hesitate.

W. W. ALLEN,
Secretary and General Manager.

"If Judge Allen was the criminal he is charged with being why was he not arrested? The answer is that those who charged him with crime were themselves deeper in the mire than he was in the mud and did not want the matter made public as it would be if a criminal charge was lodged against Judge Allen. Now the matter has been made public to a certain degree we hope a full investigation will be made, and the company forced to show its methods and what has been done with the money received. We are not afraid of the whole truth, and only desire that all the facts be made known."

The most interesting story of the affairs of the Diamond Company is told by Mr. W. O. Hilbish, who sold the land to the company and who is probably the largest stockholder.

"We had every faith in Judge Allen's ability and honesty. We allowed him every latitude as general manager. He received the money and paid it out, signing all checks himself.

"Several times we asked him for a financial statement as to the financial state of the company, but each time he failed to give it, making some excuse or other, and we allowed matte s to go on as they were.

"One day in Mr. Allen's absence a notice came from the Columbian bank to the effect that the account of the company in the bank was overdrawn.

"That opened our eyes. There should have been considerable money there, and an investigation was immediately begun. Very soon we discovered a shortage, and Judge Allen was requested to resign. He made a vigorous denial, and even drew a pistol on me one day. He claimed some money due him on back salary, and in order to satisfy him and get him out I gave him $500 and the company gave him a note for $1,000.

"Then the investigation went on. We secured the checks from the bank as vouchers and discovered that a large number were missing, most of which had been drawn as counter checks.

"The amount of money missing kept increasing as the investigation went on, and a criminal arrest was threatened. We found out that an arrest would not obtain any money for us, so we allowed the Judge to make whatever payments he could. Our detective secured $620 the Judge had presented to a certain lady, and we also secured 35,000 shares of stock at one time, and 45,000 shares at other times. This stock was turned into the company as treasury stock.

"The company is now in this condition. It owns its land and machinery, has a well down nearly 1,000 feet, and we believe we will strike oil in a few hundred feet more drilling.

"The stock obtained from Judge Allen, if sold will enable us to complete the first well, and if this is successful well No. 2 will be drilled immediately and the company will then be numbered among the oil producers of the McKittrick field.

"We are sorry this affair happened. The reason is we placed too much confidence in a man who did not deserve it. It can not happen again, and could not have happened in the first place if we had used proper precautions and guarded against possible dishonesty on the part of the manager. We trusted him too much, and now we are suffering from it. But the company is all right, and we propose to go ahead again with renewed energy and a determination to make a success."

Hon. Frank Gould, the attorney for the Diamond Oil company, is emphatic in his condemnation of Judge Allen. He says:

"I consider Judge Allen a criminal—a most dastardly thief. He came to my office and begged for mercy on account of his age and family, and called upon God as a witness that he did not have a dollar left of the money he had stolen. I told him I knew he had cashed a check for $500 the day before, and he admitted the fact, and then further admitted of cashing another check the same day. He finally owned up where the money was and I sent a detective with him who secured $620 from a disreputable woman upon whom he had been lavishing his money.

"I advised the company to arrest him, but they did not want to do so on account of the notoriety, and so allowed him to escape. He is in Texas now, and I believe the woman in the case is with him.

"The charge that Mr. Hilbish is responsible for the defalcation, or that he received any of the money missing is absolutely false. Mr. Hilbish obtained some money as commission from the sale of stock, but this commission is not nearly as great as that charged by others in the same line of business. Mr. Hilbish and his associates trusted Judge Allen implicitly and allowed him a great deal of latitude. He abused their trust, stole their money, spent his stolen money on an abandoned woman instead of his sick wife, and ought today to be behind the bars."

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FRIDAY, MAY 17, 1901.

Progress in April.

The month of April showed 268 rigs up and 670 drilling in this state. Of these eighty-nine rigs and 155 drilling wells are located in the Kern River field. There were 104 new wells completed, with a production of 4260 barrels, a falling off from the preceding month of 36 wells and 617 barrels over the preceding month. The new production is classified among the counties as follows: Colusa, 1 well, 20 barrels; Fresno, 17 wells, 380 barrels; McKittrick and Sunset, 13 wells, 605 barrels; Kern River, 33 wells, 2475 barrels; Summerland, 2 wells, 20 barrels; Buckhorn, 1 well, 100 barrels; Los Angeles city, 16 wells, 135 barrels; Puente, 1 well, 50 barrels; Fullerton, 8 wells, 385 barrels. The failures were Humboldt, San Benito, Fresno (3), Tulare, McKittrick-Sunset (2), Kern River, (3), Newhall, Whittier (2), Fullerton, (2), Los Angeles county, Orange county, San Diego county, (2.)

No Long Contracts.

Oil producers should make no long contracts with consumers at the present low price of oil. Some long contracts have been made, extending over a long period of years, and at prices that give the Kern county producers but little over twenty cents a barrel at the wells.

The Standard Oil company has been buying oil at low prices, and will continue to buy at low prices, if offered, provided they can get the right quality of oil. It believes the present foolish competition among producers will soon cease, and that producers will soon demand and receive a higher price for their oil. When this state of affairs exists the consumers will pay higher prices, and happy will be the consumer who is getting his oil in San Francisco at 70 or 72 cents a barrel, on account of a long term contract, when his neighbor is paying $1 or or more.

$18,000 To invest in oil shares for young Eastern capitalist. He asks about the exact location, title, prices, directory, etc. Send return stamped envelope for his queries, confidential, then I will see you. Will deal only with officers of companies. Lock box 2068, San Francisco Postoffice.

For Better Rates

The fall in the price of oil has brought about a feeling that a strong combination is necessary if prices are to be maintained up to a living rate. In Los Angeles a combination known as the Los Angeles Oil Producers' Association has been formed and the incorporation papers filed. This association has issued the following announcement of its action:

"The incorporation papers of the Los Angeles Oil Producers' Association have been signed and are now on their way to Sacramento. As soon as the certificate of incorporation is received a general meeting of producers will be called, and applications for membership received.

"A board of directors for the ensuing year will then be elected, the present directors vacating their seats for the purpose, it being desired that the smaller producers shall be fully represented upon the board.

"In the meantime every producer is strongly urged to maintain a minimum selling price of 85 cents per barrel at the tanks for standard-grade oil, until the association itself is in a position to handle it."

A new association, known as the Combined Petroleum Producers' Association, has offered a plan of organization which is now under consideration by the producers. The committee, of which Henry Ach is chairman, and Mr. B. F. Brooks of the Senator, Toltec, Central Point, Aztec and Chicago Crude Petroleum companies; Mr. W. A. Jacobs of the Alma, Wolverine, Black Jack, Olema, Henrietta and Bolena companies; Mr. Livingingston Jenks of the Four Oil and Apollo companies; Mr. Leon Guggenheime of the 33 and Imperial companies, and Mr. Henry Ach of the Monte Cristo company, are members, have drawn up the plan which has been outlined in their circular as follows:

1. Organize a corporation which shall be called the Combined Petroleum Producers' Association, with a capital stock of five hundred thousand dollars, divided into five thousand shares of the par value of one hundred dollars each.

2. Each person, corporation or company desiring to become associated must subscribe and pay for at least ten shares of the par value of one hundred dollars each.

3. Of the remaining shares twenty-six hundred shares shall be issued to a trustee to be selected by the producers, say either the Union Trust company, the San Francisco Trust company, or the Mercantile Trust company of San Francisco, or three of them, who shall hold the 2600 shares for the benefit of all the producers becoming members and stockholders in the institution. This is to prevent any one man or set of men from obtaining control of the institution for any purpose whatever.

4. The object of having each company subscribe a given number of shares is first, to place every company upon perfect equality; second, to provide funds for the corporation, so that it may have a standing in the financial world, and be entitled to credit, so as to permit the company, should its directors deem fit, to erect storage tanks at any particular place, or buy the same, and provide capital to otherwise compete for the sale of the product with non-members.

5. The shares which are subscribed and taken by each company shall remain with the company and revert to the corporation whenever the stockholder sells or disposes of his land to a third party, except that its successor shall subscribe to the contracts and agreements entered into by the selling stockholder upon the prior consent of the corporation.

6. The stock which is held by the trustee shall be quoted by such trustee as shall be determined by the producers at all stockholders' meetings, after the producers' interests shall have been apportioned in the said 2600 shares, which shall be according to the actual amount of oil by each produced. The plan is adopted because it may appear at the time of the first election of directors that A is a very large producer, while at the second election A may no longer be a producer, or B who may have only had one well at the first election may produce largely in excess of A.

The shares thus issued shall remain in the trustee during the life of the agreement.

7. Directors shall be elected annually.

8. The by-laws of the corporation in the simplest manner possible shall provide the rules which shall govern the board of directors and the stockholders; shall provide the exact salaries which shall be paid to the officers of the corporation, such as president and secretary; and shall also provide that the same shall not be increased except by a majority vote of all the stockholders or producers.

On these by-laws at a general meeting to be held as soon as the plan is accepted, each and every producer becoming a member hereof will have a vote, and have an opportunity to discuss the same.

9. The principal place of business and office of the corporation shall be in San Francisco. * * * *

As soon as the organization is perfected, the executive committee shall visit the field and ascertain the production of each lease and each company; the executive committee shall hear testimony and make personal inspection to ascertain as accurately as may be the exact production of each company.

It is suggested that one or more members of the board of directors should reside in Los Angeles, one or more in Bakersfield, and in San Francisco, and that the entire board should not be selected from any one city or town.

It will be noticed that the plan of the new company provides for a two-years' contract to purchase oil from the members, allowing them to fill present contracts. In this respect it differs from the contracts of the Oil Storage and Transportation company, now operating in the Kern River field, which leased the property belonging to its members for a term of ten years. The latter company, upon a payment of ten dollars, issues stock of the approximate value of the lease. The new plan is fully outlined in the following form of contract issued by the Combined Petroleum Producers' Association:

This agreement made and entered into this.....day of,.....1901, by and between the.....a corporation incorporated under and by virtue of the laws of the State of California, the party of the first part, and the combined Petroleum Producers Association, a corporation incorporated under and by virtue of the laws of the State of California, the party of the second part. Witnesseth: That the said party of the first part in consideration of the sum ten dollars, United States gold coin to it in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, and in further consideration of ten shares of the capital stock of the party of the second part by it sold to the party of the first part at an agreed valuation of one hundred dollars per share, the receipt whereof is hereby acknowledged, and for divers other good and sufficient considerations from the said party of the second part unto the said party of the first part moving, the said party of the first part does hereby grant, bargain, sell, assign, transfer and convey unto the said party of the second part for the term of two years from the .....day of.....190 all oil and crude petroleum by the said party of the first part produced or extracted for said term of two years from the following described lands situate in the in the County of... ..State of California, described as follows, to-wit: * * of which said land the said party of the first part is at the date hereof the owner and also all oil at the present time situate upon said land and heretofore produced. It being understood that the title to all oil vests in the party of the second part as produced, save, however, that it is agreed that there shall be exempted therefrom sufficient of the product of said land to permit the said party of the first part to deliver all oil by it heretofore contracted for, a list of said contracts and the amount of oil required to fill the same being herewith placed with the said party of the second part by the said party of the first part.

And the said party of the first part further covenants, promises and agrees with the said party of the second part, and with said party of the second part for and on behalf of all the other shareholders in said corporation, the said Combined Petroleum Producers' Association, that said party of the first part will not sell or lease or otherwise dispose of said land, or any thereof, to any person, firm or corporation, except subject to the terms of this transfer and this agreement. This agreement shall be held and deemed to be a covenant running with the land.

It is understood and agreed that the party of the first part has at the date hereof.....completed wells producing crude oil or petroleum, and further that the said party of the first part shall remove from said premises described all oils or petroleum at its own cost and expense and shall deliver the said oil on board cars nearest railroad station, or in conveniently situated tanks of the party of the second part at its, the said party of the first part's, own cost and expense, upon the order and direction of the said party of the second part.

All oil not required by the said party of the second part shall be held and cared for by the said party of the first part at its own cost.

And the said party of the second part does hereby agree that it will use its best endeavors to sell and dispose of said oils and petroleum at the best obtainable price, and make contracts for future disposition thereof.

It is understood and agreed that the said part of the second part shall be entitled to mingle the oils so delivered to the said party of the second part with other oils delivered to it by other parties holding shares in said corporation, and it shall not be necessary to preserve the identity of said oils or any of them either in respect to storage, or sales or delivery.

The said party of the second part agrees to and with the said party of the first part that it will not handle or dispose of any oil save and except the oil produced by those parties who are shareholders in the said Combined Petroleum Producers Association and who sign contracts identical herewith.

And the said party of the first part agrees that it will operate its wells on said land to fullest capacity whenever required so to do by the said party of the second part.

Said party of the second part shall keep accurate account of all oils delivered to it in each month, and at all times by the said party of the first part, and of all oils delivered to it by other parties signing contracts identical herewith.

All oils shall be subject to gasoline test for moisture and sediment, and such other tests as may be deemed advisable, and the said account shall be kept of the net amount of oil as shown by said tests: and all oil must be by the said party of the first part delivered at its own cost to the said party of the second part, with not to exceed two per cent of foreign substance and moisture.

All oils delivered in each month to the said party of the second part by the party of the first part, and by all other parties on identical contracts, shall be considered an entire quantity, of which the quantity delivered by each party contributing thereto shall be considered an undivided proportional part.

Sales and deliveries of oil by the said party of the second part shall be made, or deemed to have been made of said entire quantities in the order and time in which they were delivered to the said party of the second part, and the said party of the second part shall be under obligations to distribute its demands for oil among each and all of the shareholders of said Combined Petroleum Producers Association in the proportion that the amount of oil produced by the said party of the first part bears to the total amount of oil produced by all parties signing identical contracts herewith. The amount so produced by the said party of the first part and all other persons signing an agreement identical herewith and shareholders of said Combined Petroleum Producers Association may be ascertained by a committee to be appointed by the said party of the second part at least once every three months; but it is understood that oil reserved by the party of the first part to

fill exist ng contracts shall not be considered as a part of the production during the life of said contracts.

An account of sales shall be rendered and payment made to the party of the first part of its share of the proceeds of said sales on or about the 20th day of each and every month, and said account shall embrace all sales of oils payment of which has been received by the party of the second part, on or before the last day of the preceding month.

And the party of the second part shall deduct from the gross proceeds received from the sale of oils sufficient moneys to pay the actual expense of maintaining the organization and conducting the business of the said Combined Petroleum Producers Association, together with charges for insurance, the same in all not to exceed ten per cent of the gross amount of sales.

It is further understood that neither of the parties hereto shall be liable for a failure to comply with any of the agreements herein contained, if such failure is caused by the elements, strikes, unforeseen accidents, or the act of God.

If any time there shall be a controversy or disagreement between the parties hereto in respect of the rights of either of them under this agreement, or as to any matter arising under the same, or as to the amount of the liability of either party to the other, such matter of controversy or disagreement shall be submitted to arbitrators, one arbitrator to be selected by each of the parties hereto, and the third arbitrator to be selected by the two arbitrators first selected, and the determination of said three arbitrators, or any two of them concurring, shall be final and binding upon the parties to this agreement. Said arbitrators to be selected and submission and award made within thirty days after a demand shall be made by either party for arbitration as herein provided.

It is further understood, however, that at any time upon a vote of eighty per cent of the stockholders of the party of the second part this agreement may be set aside and annulled upon giving twenty days' notice to the party of the first part.

In witness whereof the respective parties hereto have caused these presents to be signed by their respective presidents and secretaries, and their respective corporate seals to be attached this the day and year first above written.

A Hard Lesson.

The Diamond Oil company has had a hard lesson. It trusted implicitly in the ability and honesty of its former manager, and, as a result, suffered the loss of many thousands of dollars. The case is simply one of misplaced confidence, and may serve as a warning to other companies.

The Diamond Oil company is by no means permanently or seriously crippled. It owns 640 acres of land that has every indication of being good oil land. It owns its own rig and machinery. It has a well drilled to a depth of nearly one thousand feet. It does not owe a dollar. It has more treasury stock today than it had a year ago.

The company has been swindled, but it is by no means financially ruined. The oil-producing belt in McKittrick is rapily extendiug, and there is no reason for doubting that the district in which the Diamond is located will become one of the best oil-producing districts in the state.

The Midway.

The Midway district is the connecting link between the Sunset and McKittrick oil fields, and as at present defined may be said to cover Tp. 31 and 32, R. 22, 23 and 24. The surface contour of the country is not so broken as to the north or south, and consists largely of rolling hills. This section is regarded by experienced oil men as one of the most promising in the entire San Joaquin Valley, and developments are being carried on at a very rapid rate.

Rather strangely, as it may appear, the Standard Oil company first filed on Midway lands for oil. This was as far back as 1885, and at that time surveys were run through the entire length of the valley. The locations then made were on sections 4, 5, 7, 8, 9, 10 and 14, 32-23; and 28, 30 and 32, 31-23. No development work was done, however, and the lands forfeited. Nevertheless these very same lands are proving to be choice oil lands, and came under the control of M. L. Woy of Fresno. Some have been sold and others leased to companies who are now busily at work in the field. The Portland Oil and Fuel company is sinking a well; the Midway company of Oregon has four rigs at work, No. 1 being down 700 feet and in daily anticipation of striking the oil sand. The Producers' Guarantee company owns one-half of 22 and one-half of 23, 32-23, and have a rig on the ground. This adjoins the Bay City Oil company's property, consisting of one-half of 22, all of 15, one-half of 14, 32-23, where a 75-barrel well was tapped quite recently on 22. The company is now preparing to sink three others.

In the immediate vicinity of the above properties one well is going down on section 9, one on 22, one on 7, one on 4, and one on 30, with a very large number scattering on the outside. Two weeks before Christmas of last year there were six derricks in the field, and now there are 150 in the field, with preparations in active progress for others.

The Pacific Consolidated has two wells that are showing up well.

California Oil Syndicate

INCORPORATED UNDER THE LAWS OF ARIZONA THEREFORE THE STOCK IS ABSOLUTELY NON-ASSESSABLE

Capitalization, $500,000. Par Value of Shares, $1

520 acres of land in three best oil districts in California

Coalinga
McKittrick
Sunset

The company is selling a limited number of shares for development purposes at

25c Per Share

Rooms 486-487 Parrott Bldg.

San Francisco, Cal.

Buy Pacific Petroleum

This is good advice because Pacific Petroleum Company, Limited, is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the purpose of the

PRODUCTION OF OIL

The lands of this company are located in the Devil's Den Oil District of Kern county, where a much higher grade of petroleum has been developed than is found in the famous Kern River fields, and are pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, **WE ARE ACTUALLY AT WORK.**

We have no promoters' stock, and are selling only treasury stock, EVERY DOLLAR of which goes into the development fund, which is held intact to pay for drilling operations ONLY.

A Block of 1000 Shares for $50 Cash is our "ground-floor" offer. This is an opportunity for you to share in the profits of a well-located and entirely legitimate oil enterprise. This is a safe and sure investment. Buy now. Send all applications to

PACIFIC PETROLEUM CO., LIMITED,

PAUL R. LEWIS, Secretary.

210 Hearst (Examiner) Building, San Francisco, Cal.

Do not delay to-day and regret to-morrow.

From the S. F. "Evening Post," March 5, 1901.

As promoters of legitimate oil companies, the firm of Mosteller & Allen have been signally successful. These gentlemen are highly esteemed in the business world because of their straightforward method of doing business, and the vigor and energy with which they prosecute the work of their clients. An honest presentation of facts governs all their operations in the sale of shares, and the investor may safely rely upon their statements.

Safe Investments

INTER NOS (Sunset, Kern County) 25c per Share.
GREAT AMERICAN (San Ardo, Monterey County) 30c per share.

BOTH COMPANIES NOW DRILLING

The drill of the Great American has penetrated the oil shale, and a big strike is expected at any moment. Order NOW and get in on ground floor. The Inter Nos has proven oil land adjoining the Monarch and Occidental, and is sure to pay big dividends to the investor.

MOSTELLER & ALLEN, Brokers

565-566 Parott Building, San Francisco

Send postal for "Oil Facts and Figures," now in press.

USE OF REDWOOD TANKS

An Engineer's Suggestions for their Construction and Maintenance.

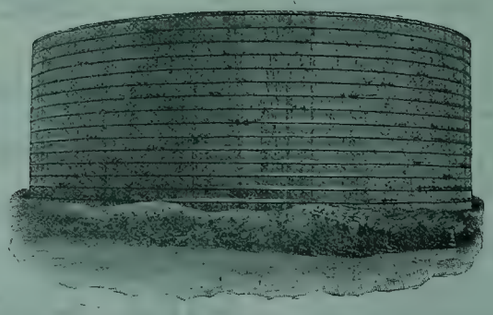
The extended use of redwood tanks for the storage of fuel oil throughout the interior portion of the state has demonstrated the reliability and success of this form of containing tank. In order to insure the best results, it has been found necessary to place tankage in excavation and pack in earth around the staves. This serves to keep the staves tight, and there is absolutely no leakage in a well built tank. Where wooden tanks have been placed above ground, and subjected to the heat of the sun's rays, it has been found that the oil has a tendency to assist the sun in a contraction of the wood, producing very often a leaky and unsatisfactory tank. In the case where the tanks are buried, however, we do not know of a single instance, where they have been properly installed, that they are not in every way equal to the best iron tank. In the case of heavy, viscous oils, that necessitate heating by steam in order to handle it, wood being a non-conductor of heat, allows the oil to maintain and hold the heat that is imparted to it longer than the iron tank, which has a tendency to chill the oil and bring it to the same temperature as the surrounding earth. Another point that is very vital in the settling of wooden tanks is to have them rest on a proper foundation. The bottom of the earth pit should be absolutely level, and should be floored by planks 2x12, and running at right angles to this flooring, and also at right angles to the bottom of the tank, should be 4x4 stringers, separated a foot apart and cut so as to form a foundation of a diameter slightly less than the bottom of the tank. The chimes, or staves, should come outside of this foundation, so as to let the weight of the oil in the tank rest entirely upon the bottom proper, and to give the stave no other work than to form the containing side. Very often tanks have been placed with a faulty foundation, so that the weight of the oil fell upon the chimes, in which case a leaky receptacle is sure to ensue.

In the matter of the size of tankage, this is dependent entirely upon the consumption of oil at the plant. The best engineering practice dictates a minimum storage of thirty days. Many oil engineers prefer to install two tanks, making a duplicate storage. Where oil is discharged from either cars or wagon into the tank, it is well to provide a strainer, so as to catch any foreign matter or impurities before they enter the tank, and avoid any possible stoppage or trouble with the suction end of the oil feed pump. Placing a strainer upon the suction pipe has often given rise to considerable trouble and stoppage, which would otherwise not occur and where the oil is strained before entering the tank, a simple suction pipe without either strainer or foot-valve is preferable.

A redwood tank of 19 feet diameter, and 8 feet high, with 2-inch stave, costs, set up, about $130; such a tank is supposed to hold approximately 16,000 gallons.

In the case of small laundries and steam plants, where the consumption is not over five or six barrels per day, a 2000-gallon tank may be purchased and set up for $28.

As an extra precaution to prevent leakage and insure a tight tank, it has been found beneficial to coat the inside of the tank with a water proof glue sizing; such a sizing is at present being manufactured especially for wooden tanks, for oil, by the California Glue Works of San Francisco; the outside of the tank and its foundation should be given a coat of hot coal tar. In the case where the wooden tank is used for the receiving receptacle to take oil from the railroad cars, very often, in place of constructing the tank with solid head and top, the excavation is made at such a depth that staves project above the surface of the ground, say 12 or 16 inches, and a tapering or conical top is built over the tank. This makes a very neat and satisfactory form of installation.



Patent Redwood Oil Tank Built by Pacific Tank Company, 42 feet Diameter, 18 feet High, Capacity 177,500 Gallons, or About 4,200 Barrels.

PATENT REDWOOD TANKS.

The following list of prices is furnished for patent tanks fitted with a groove for holding water, made by the Pacific Tank company of this city and Los Angeles. The tanks are provided with one hoop to each foot and the hoops are fitted with patent lug:

Capacity in Barrels of 42 Gallons	Outside Diameter	Length of Staves	Thickness	Approximate Shipping Weight	Price F. O. B. San Francisco
10	5 ft. 0 in.	4 ft.	2 in.	600 lbs.	$20.00
20	6 ft. 0 in.	5 ft.	2 in.	800 lbs.	25.00
25	6 ft. 0 in.	6 ft.	2 in.	950 lbs.	30.00
40	7 ft. 10 in.	6 ft.	2 in.	1,350 lbs.	36.00
50	8 ft. 8 in.	6 ft.	2 in.	1,450 lbs.	40.00
75	9 ft. 6 in.	7 ft.	2 in.	1,900 lbs.	50.00
100	10 ft. 0 in.	8 ft.	2 in.	2,230 lbs.	60.00
125	11 ft. 6 in.	8 ft	2 in	2,590 lbs.	70.00
150	12 ft 0 in.	9 ft.	2 in.	2,975 lbs.	80.00
200	13 ft. 0 in.	10 ft.	2 in.	3,600 lbs	100.00
300	14 ft. 6 in.	10 ft	2 in.	4,840 lbs.	120.00
400	16 ft. 6 in.	12 ft.	3 in.	8,000 lbs.	190.00
500	18 ft. 5 in.	12 ft.	3 in.	9,300 lbs.	225.00
600	20 ft. 0 in.	12 ft.	3 in.	10,300 lbs.	260.00
800	21 ft. 0 in.	14 ft.	3 in	12,750 lbs.	320.00
1,000	22 ft. 0 in.	16 ft.	3 in.	15,000 lbs.	380.00
1,200	24 ft. 0 in.	16 ft.	3 in.	16,300 lbs.	440.00
1,500	27 ft. 0 in.	16 ft.	3 in.	19,300 lbs.	500.00
2,000	31 ft. 0 in.	16 ft.	3 in.	23,100 lbs.	620.00
2,500	35 ft. 0 in.	16 ft.	3 in.	28,600 lbs.	780.00
5,000	45 ft. 0 in.	20 ft.	4 in.	86,700 lbs.	2,225.00

BOGUS OIL COMPANIES.

Some California Propositions Afloat in New York.

In speaking generally of the fake oil companies of New York, the Herald of that city said:

Even with the glowing prospectuses of newly organized companies before you, it is difficult to believe whether in the whole state of Texas, if wells were driven every 15 feet, there would be sufficient oil to use as a balm to soothe the pain of financial distress that some interests are likely soon to suffer.

There has been a sudden influx of New England promoting talent into the city during the last few weeks, new firms of "bankers and brokers" have been established in and around the financial district, and all are advocating the purchase of shares in Texas and California oil schemes that will bear thorough investigation before an intending investor severs himself from his money and receives in return a beautifully engraved certificate.

The sudden springing up an exploitation of the various companies lead disreputable financiers and even men well acquainted with the production of oil to unequivocally denounce many of the new oil companies as the "wildest kind of wildcat schemes," and many are based on the veriest form of speculation.

In referring to L. E. Pike & Co., the Herald has the following:

L. E Pike & Co., bankers, have established offices in the Empire building, No. 71 Broadway. Pike has had phenomenal good fortune in financing four companies recently, and the velvet carpets, mahogany furniture and office display are perhaps in keeping. Pike came to this city last fall and took an office in the Bennett building. He is a Springfield (Mass.) man.

He organized the Diamond Star Oil company first with a capital of $250,000. The shares sold at 25 cents each, and 2 per cent monthly dividends, paid quarterly, of course, were a feature. The dividend is on the price paid for the stock and not on the dollar basis. With that company out of the way Pike floated the Central Star, with $600,000 capital and another 2 per cent guarantee.

The stock of the latter, it is said, Pike oversold by 50,000 shares. Now he has the Eastern Consolidated Oil company. The capital of this company is $5,000,000, and although just launched, "it now pays a 2 per cent monthly dividend," as the Pike advertisement says. It is a noticeable fact that each company Pike organizes has a greatly increased capital. They have always been California properties that Mr. Pike has floated.

Mr. Pike had gone to Springfield when I called at his office yesterday. I saw his manager, who took the first opportunity he could to turn me over to a Mr. Spofford, an advertising man, saying, "He has just returned from our properties." Mr. Spofford had photographs that he said represented the Eastern Star company's well. He talked glibly about the tremendous flow of oil until it seemed as if California must certainly be two feet deep in oil over its entire area, and all from the Eastern Star wells at that.

Mr. Spofford was primed, and when he paused for breath to ask if there was any question, I replied: "Yes; there is a report in circulation that the dividends of the Diamond Star are being paid out of the money taken in from the sale of the Central Star concern, and that the Eastern Star took care of the Central's dividends, and now the Eastern Consolidated Oil company's stock is to pay more dividends?"

"I'm glad you mentioned that," Mr. Spofford replied; "I have heard that, and I asked Mr. Robinson about it, and he gave me his word of honor that that is not true. He would have told me. Now, don't get the Eastern Consolidated Oil company mixed up with the Eastern Star company." Mr. Spofford was particularly anxious that nothing should happen to the latter company.

Mr. Spofford acknowledged that a large and recent advertisement of Pike's in a New York newspaper last Sunday was somewhat misleading, but said that it would not occur again.

New Coalinga Operations.

William Graham, Field Superintendent for the California Oil Fields company, the big English corporation which secured the California Oil and Gas company's and other properties about Oil City, is in Coalinga. He has received directions from the company to drill four wells. Four drilling rigs have been ordered and all will be put to work simultaneously two to drilling on section 21 and the other two on section 27. The big English company is going to at once begin prospecting its territory on an extensive scale.

The Valley Water company is already supplying one company with water—the Ætna Petroleum company in the Confidence group. The company expects to have its big tank on section 28 completed this week.

Gould Central Oil Company

Nine Square Miles of Oil Lands

In the McKittrick and Temblor Districts, Kern County, Cal.

The Gould Central Oil Company has acquired 3800 additional acres of oil land in the immediate vicinity of its already large holdings in the McKittrick and Temblor Districts, Kern county, and now has 5720 acres along the main oil belt from McKittrick to Devil's Den. Is now drilling with its own plant Well No. 2 on the NE¼ of section 18, 29-21, McKittrick District. A limited number of shares offered for sale at 20 cents each. Full prospectus furnished on application.
San Francisco office, rooms 33-34 Alliance Building, 416-418 California street.

LEWIS, RANK & YOUNG

Pacific Coast Securities . . .

Stocks
Bonds
Mines

Oil Lands and Ranches

45 Sutter St., San Francisco, Cal.

TELEPHONE, BUSH 209

If you have a good oil property for sale we believe it will pay you to call upon us. Correspondence solicited.

Commercial Oil and Realty Co.

Capital $1,000,000. Par value $1.00. Shares 1,000,000. Incorporated under the laws of Arizona. All stock fully paid and non-assessable. 2,400 acres patented land. Will give long time option without cash payment.

Water and Oil Pipe Lines, Storage Tank, Refineries

Same plan as Standard Oil Co., which has paid its stockholders millions of dollars. Shares 25 cents each. We want you to represent us. Write us.

212-213 Fifth Floor Parrott Building, San Francisco, Cal.

A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

LOW CAPITALIZATION

Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

$2 Per Share

A GUARANTEED INVESTMENT

With the first well in oil, railroad running through the property, under the management of well-known, conservative business men, 80 acres of proven oil land in Sections 8 and 10, 29-28, Kern River District, recommends the investment to conservative investors. . . . . .

Officers and Directors—George L. Dillman, M. A. De Laveaga, William Palmtag, George D. Clark, Thomas Flint Jr. W. C. Graves, Attorney. . . . . .

Office 402 Kearny Street

W. C. GRAVES, Secretary.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

A standard rig wrs shipped to Williams recently.

It is reported that work has begun on well No. 3 of the Smith & Gorrill lease at Arbuckle.

A tunnel is being run in the hill below the Gibson oil-spring on Bear Creek, with the expectation of striking the oil supply. The spring is near the top of a hill 300 feet above the creek.

The National Oil & Investment company, on the J. J. Sharon place, 4 miles from Sites, have a rig on the ground and buildings erected preparatory to drilling this week. They will drill on a line between the Great Northern and the Gorrill & Smith wells.

FRESNO.

The Ajax is going down.

The Star is jarring on casing.

Cars are scarce again at Coalinga.

The Corona is waiting for drive pipe.

The New York has a string of tools lost in the hole.

The Minnesota is fishing for a broken string of casing.

Mercantile Crude will drill a well for water on its property, while it waits for casing.

All of the operators on 31 are anxiously waiting for the pipe line to carry their oil to the railroad.

has not been learned) is under contract to have a drill working on 26, 20-14 within ninety days from May 1st. The above location is just below the old coal mines.

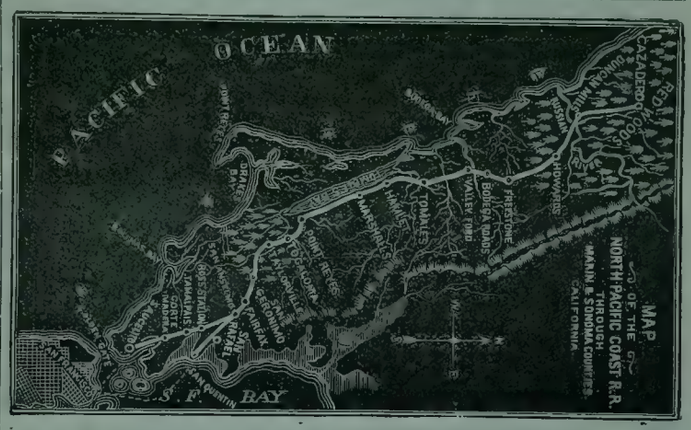
The California Rock Oil was compelled to abandon well No. 1 on account of not being able to remove a string of tools lost in the hole, which is several hundred feet deep. It is moving the derrick and will put down another well fifty feet from No. 1.

Home put a hole down 900 feet and encountered a large boulder which pushed in from the side and smashed the casing up so that work had to be discontinued in that particular spot, but the derrick was moved a distance of thirty-five feet and another well is being drilled.

The oil raised 700 feet in the Maine State well. It has already several tanks filled with the fluid and a 2000-barrel tank is in course of construction. Mr. McNear says they will soon put in a pipe line from the well to Ora station which will accommodate several other companies that have struck oil near the Maine State.

HUMBOLDT.

E. M. Hoagland's oil well resumed work last Monday. They were engaged last week fishing up the tools which were left in the well by the breaking of the cable during the winter. As soon as the tools are recovered work will proceed double tour.



Route of the North Pacific Coast Railroad, Where Oil Has Been Introduced as Fuel.

The Zenith Oil company will begin work on section 35, 21-14. It will also pipe the artesian water to Coalinga.

[From the Coalinga Derrick.]

El Capitan is making preparations to put up a new rig.

Echo resumed work on 28, 20-13. last Monday.

Crescent's drill has gone through first sand and is still going down.

California Oil & Gas will erect camps and derrick soon on section 27.

New York's well looks greasy and the walking beam has been working steadily.

Caribou's well No. 4 is down 500 feet and the prospects for another producer are good.

About 5000 cars of oil have been shipped from the Coalinga oil fields since January 1st, 1900.

Hanford lost part of a string of tools in No. 2 a few days ago and had a very disagreeable fishing job in consequence.

The Mt. Hamilton Land & Oil company will operate extensively in the Coalinga territory during the next year.

Four good wells have been struck in Coalinga district within four weeks, viz: Maine State, El Capitan, Roanoke and Mercantile.

El Capitan's well is a beauty and several people have said that it will furnish over 300 barrels daily. A tank of 2000 barrels capacity is on the ground and will be ready for oil in a few days.

An oil company (the name of which

KINGS.

The Roberts Oil company is drilling with two shifts, night and day, on the NW¼ of section 33, 28-20. The drill is down about 350 feet.

The Devil's Den Development company is not working at present, as the stem was taken to McKittrick to have the threads recut. It is reported that the company has struck the oil sand. Drilling will be resumed in a few days.

The Acme Oil company in the Kettleman district is preparing to close a drilling contract. The lumber for the derricks and a good part of the drilling machinery are already on the ground and Mr. Stahl says that drilling will begin soon and the company will go down 2000 feet if necessary.

John Drain, a former old-time citizen of Hollister and until recently street superintendent of Los Angeles, is interested in oil property in the Bakersfield section. On his return from there the other day he informed the Los Angeles "Express" that his company had shut down their properties and many others were doing the same, because to run at the present price for oil is to do so at a loss The Standard Oil company is in control over there.

KERN.

The Usona at Midway is spudding.

Gray Gander is about to begin drilling on No. 2.

Equality has begun drilling No. 2 on 21, 28-28.

The Barton company has begun spudding in on 25, 32-23.

The output of the McKittrick field was 162 cars in April.

Lion Oil company's second well is in oil sand at 560 feet.

Kern River's No. 2 is reported flowing 1000 barrels a day.

Machinery has been placed on section 14, West Side, by the Justice Crude.

Maricopa's first well on 1, 11-24, has proven a gusher of no mean proportions.

Shamrock is perforating No. 2 at Sunset.

Wisconsin is reported in second sand on 24, 28-27.

The Mountain Boy Oil company is drilling on 22, 32-23.

The Baker Oil company is ready to spud in at Midway.

The Producers' Oil company has a fine well in No. 1, just finished at Midway.

Gray Eagle has declared its sixth dividend of 47 cents a share, payable on May 10.

The Reed Crude may pay a dividend in June, which has caused the slight upward tendency in the stock.

The Midway of Oregon is drilling two wells, which are reported as very promising.

Berry and Martin have 125 feet of hole in the "Dixon Oil company" lease on 23, 32-23.

Acme Oil company is building a road to its land over the ridge from McKittrick.

Occidental, on 2, 11-24, Sunset, has its second well in the third sand at 765 feet, with oil running over the casing.

Royal Sunset Oil company on 35, 12-24, is perforating with prospect of a good well, though but 600 feet deep.

Occidental Water company has filed articles of incorporation. It proposes to supply Sunset Oil companies with water.

The Kern King is down 880 feet at McKittrick. A heavy gas pressure heaves sand and shale up 100 feet into the casing.

The Mt. Boy has begun work and the Stockton-Midway is about to begin on the south half of 22 in the Midway field.

The Sultan on 23 ran into blue clay at 400 feet and at 500 feet entered heaving sand. The rig is now tied up awaiting casing.

There is a marked improvement in the feeling of the producers regarding the market and it is believed that a stable price is sure to result in the near future.

New operations in Sunset have been suspended until the completion of the railroad. All other work not necessary has been suspended.

The division between the Sunset and Midway districts, under the lines of the new mining districts, is the eighth standard line south, M. D. B. & M.

The two men, Messrs. Walker and Cornell, who were shot a short time ago during a misunderstanding at Midway, are reported by their doctor as out of danger.

Negotiations are pending for the sale of the property of the Superior Oil company on 2, 11-24, Sunset. The prospective buyers are reported to be Eastern people.

Spudding has begun on the northwest quarter of 23, 32-23. A star rig was used, which will soon give way to a Standard already purchased, but not as yet released.

The Bishop Fishing Tool company have installed themselves at Sunset with a full set of fishing tools. The Kern County Iron Works are their representatives.

Commonwealth has tapped sulphur water on 32, 26-28, but is making good headway in drilling. This is in spite of efforts of land jumpers to secure possession of the property.

The Kern River No. 5 at McKittrick is in oil sand 70 feet. No. 6 has 137 feet of oil sand. Both wells are looking very promlsing. No. 5 has blown over the derrick four times.

The San Francisco has recovered its broken stem and is now down 1,300 feet. The company went through a stratum at 500 feet which is supposed to be good for ten barrels a day.

The rig of Hecla Oil company's No. 1, on 29, 28-28, was burned to the ground last week. The well was pumping on the beam, and the fire originated by a lantern igniting gas from the well.

Occidental Water company has spent $22,000 thus far in its water system for Sunset. Five miles of six-inch pipe has been laid, and 20,000 feet of three-inch and 40,000 feet of two-inch pipe is on the ground, ready to be laid.

The Hart Crude has received its invoice of machinery and will soon be at work on section 36, 28-27. The location of the first well has been selected near the half-mile post on the east line. The site is within a quarter of a mile of the Bear Flag's big well.

Friday evening of last week the Pittsburg's, rig in the Sunset field, burned up, the fire destroying it in a few minutes. The engine and boiler were not injured, but a string of tools was dropped into the hole. The rig belonged to Jewett & Blodget who were drilling the well by contract.

The Globe No. 3, famous as one of the first of the great wells of the Kern River district, has been equalled by the Globe No. 6, which has been put on the compressor. It is yielding as much as No. 3. The air system of pumping is as successful with this well as with the others upon which it has been tried.

Calls for meetings to organize mining districts are being generally signed, the Midway meeting to be at Bay City camp on June 3, and the Sunset meeting to be held at Jewett & Blodgett's camp, the following day. At each meeting rules will be adopted for the government of the district, being primarily designed to prevent claim jumping.

Monte Cristo has opened the biggest well in the Kern River district and the biggest in the county. It was finished five days ago and immediately after being perforated began flowing. This is no unusual circumstance, but at the end of a few hours the well was flowing a greater stream, and it has continued to increase until it is yielding an amount fully equal to 1100 barrels a day. This well is on 5, 29-29 and is the twelfth drilled by Monte Cristo.

LOS ANGELES.

The Pacific Slope Oil company, which now owns eight producers in the local field has decided to drill five new wells, work to begin at an early date.

The product of the Los Angeles local field is close to 10,000 barrels per month, the oil being of between 14 and 15 gravity. As the transportation rates are 15 cents per barrel, at the present figure of 60 cents at the wells the oil can be delivered in the city at 75 cents.

On the Mayfield lease, near the corner of Temple street and Western avenue, Los Angeles, Baldwin Keeny and associates have contracted for a new well. If the attempt to find oil in that part of the district is successful, five other holes will be started immediately.

MONTEREY.

Normal Oil company is down 400 feet.

White Oaks Oil company is in the first oil sand. The tools come out of the well dripping with oil.

Field reports state that there are one hundred and sixty feet of oil in the Tomboy Oil & Improvement company's well.

The Arroyo Seco Oil company has its drill at work and down about 100 feet. The company has sufficient money in the treasury to complete two wells.

Great American Oil company's well is down 308 feet. The casing has been pushed through the heaving sand and is now resting on a sandstone formation.

ORANGE.

The Santa Fe will drill a number of wells in the gulch between its lease and the Graham-Loftus wells.

Oil in fair quantities has been found in several new wells now drilling—Loftus company's wells Nos. 10 and 11, Santa

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Fe 25 and 26, and in one of the holes now drilling on the land recently leased from the Union by the Columbia.

The Loftus company will put another well on the pump soon, as will also the Columbia.

Slight traces of oil have been found at a depth of 400 feet by the Chino Oil company, operating up in Soquel canyon.

The casing has telescoped in well No. 3 on the Olinda lease, and the well will probably have to be abandoned.

The Union and Olinda companies are both building rigs for new wells. The Union people have just put another well on the pump.

The Brea Canyon Oil company is moving out several feet of lumber today for new rigs to be erected on its Brea Canyon lease.

High-gravity oil has been struck in the Columbia's well at a depth of 1240 feet. It is believed it will make one of the best producers on the lease.

The Crown of the Valley well is down 1600 feet in sandy shale, with a good showing. Gas pockets are encountered almost daily, making it very dangerous to place lights in the derrick at night.

No. 22 has just been commenced on the Brea Canyon Union lease, J. M. Kellerman sinking it to a depth of over 460 feet in four days. This breaks the rapid-drilling record in this famous canyon.

The only oil-burning forge in operation in any oil field in the world is now being used to heat the drilling bits in the Santa Fe's machine shop. By means of it one of the largest bits, sixteen inches, was heated and dressed in less than forty-five minutes not long ago, against two hours by the old method.

SAN LUIS OBISPO.

Operations are to be shortly commenced on the Mahoney property, about three miles northeast of San Miguel.

Another rig has been put to work on the Downer properties in the Huasna district, and if reports are true there will soon be more prospect rigs in the various fields than ever before.

The Nacimiento Oil company is about to resume operations, and has every promise of success. When work was discontinued the drill had penetrated a bed of bituminous shale to a depth of several feet, and considerable gas had been struck,

SAN BENITO.

The Indian Valley company's well is down 150 feet, in favorable formation.

The Hollister Petroleum Development company on the Baldwin ranch, is down 300 feet.

The San Benito Crude Oil company through W. J Bruce filed a number of locations with the County Recorder last week.

The Silver Creek Oil company has repaired the damage sustained by a flood in March and is diligently making up the lost time in drilling.

The Indian Valley Oil company is having fine success drilling. Indications are good.

The Esmeralda Oil & Development company is down about 100 feet and still drilling.

The oil casing for the San Benito Crude Oil company is well staked at Tres Pinos and is now ready to be hauled.

The Mucho Dinero Oil company, whose land is on section 19, 17-12 east, will erect a derrick on the land just as soon as they can get the lumber on the ground. This company adjoins the Esmeralda on the north and Hamiltonian on the northeast.

The stockholders of the Vallecitos Water company met Thursday evening and organized by electing the following directors: Wm. Palmtag, H. S. Field, George Berg, N. C. Briggs, T. D. Boardman, S. B. Rothenburg and R. B. Todd. Acting Treasurer Field reported $5000 subscribed and the company is capitalized at $10,000. The laying of the water-pipe is in charge of a committee composed of Messrs. Palmtag, Berg, Rothenberg and Todd. Each member will use his utmost endeavor to hurry the work along. It has been decided to lay six and one-half pipe for 10,000 feet to a reservoir from which it will be carried to each derrick. Alfred McCray and George Berg were appointed to make a complete survey, and on the receipt of their report the pipe will be shipped immediately to Vallecitos via Tres Pinos.

STANISLAUS.

150 of the 300 shares of capital stock of the proposed Mt. Oso Oil Mining company, to operate near Grayson, Stanislaus county, have been subscribed. The shares are $80 each, payable $10 a month, not more than 5 to any one person.

The X-Ray Oil and Development company began operations yesterday on the Robinson ranch, across the river a mile or two from Orange Blossom Colony. Geo. T. McCabe of Oakdale is president. The present price of stock is 10 cents a share, the stock non-assessable. The X-Ray company are proceeding on expert advice.

A strong oil seepage is reported on the land of Walter J. Owen, near the San Joaquin county line on Littlejohn creek, 7 miles east of Farmington; also on the adjoining land of T. J. Brooke. Oil formations are also visible. According to the Oakdale "Leader," Mr. Owens' land has been examined by experts, who made an offer to bond it for $20,000, Owens declining.

SAN BERNARDINO.

Messrs. C. J. Gould and R. S. Huntington, who have been representing the interests of W. A. Fourness of this city in the San Bernardino oil-fields report that lumber for eight rigs, making several carloads, has been shipped to Kramer and adjoining stations. These are for the Kramer Consolidated, 42-10 and 42-11; People's Oil, 44-10; Hiawatha, 44-10; Pennsylvania Oil Syndicate on 45-9, near Hiawatha; "Cast-Iron" Syndicate on 48-11, adjoining the Fourness holdings, and two wells of the X-ray in 44-5; eight in all.

VENTURA.

The Bardsdale Canyon Oil company are going to commence operation on their 160 acres near Bardsdale very soon.

The Bardsdale Oil company who are operating on the Lysle lease are making preparations for No. 2.

It is reported that the Erie company on the Guiberson place near Bardsdale are in red rock with bright prospects.

It is generally reported that the Union Oil company is going to resume operations at Bardsdale soon.

Lewis P. Hammond of San Francisco has purchased the B. L. Dorman place and will soon commence drilling for oil.

The Ira well at Bardsdale had a short fishing job, were successful, and drilling is now going on.

The Bardsdale Oil company on the Lysle place are pulling casing on well No. 1, and work will soon begin on No. 2.

The Montana is down 400 feet at Bardsdale, has struck good sand and splendid signs are in sight for a good well.

S. M. Barr from Portland Oregon, has leased the Thomas Aundale place where operations will begin at once as the contract is let to build roads at once and erect a rig as soon as the road is finished.

The Bardsdale Crude Oil company has let a contract for the erection of a derrick for No. 5. They are installing a 20-horse power gas engine and an Acme pumping power. The directorship of this company has been somewhat changed as Mr. Ivers the oil king, has severed his connections with this company on account of his other extensive oil operations.

LOS ANGELES.

The East Whittier has well No. 2 down nearly 800 feet and have passed several strata of oil.

The Turner company have well No. 5 down 1300 feet and have a good quantity of oil in the hole, but hope to go still deeper.

SOLANO.

The Vacaville Oil company is down over 600 feet and going down thirty feet a day. Seepages have been struck.

The Rochester Oil company began drilling again on the Dickson place last Sunday night. Outside of the usual little difficulties which are experienced at the commencement of work of that character, good progress has been made. The drill is now down over a hundred feet.

The Armijo company began work again the first of the week on its oil well on the Miller place. A couple of days was lost the early part of the week through the breaking of one of the tools, but the work is now progressing again. The drill is now making rapid progress through a strata of shale.

KERN.

The Gray Gander company, on 7, 28-28, is down over 800 feet on well No. 1 and has commenced this week on well No. 2. Well No. 1 is being used as a water well but will be drilled 300 feet deeper to the oil sand as soon as well No. 2 is completed.

MONTEREY.

The Acme company has a derrick up on land adjacent to the Nacimiento and will be spudding in a few days. Just over the county line from the Acme's land and in Monterey county the Great American and White Oak are drilling near each other. The White Oak company is said to have flattering indications at 700 feet.

The Nacimiento company, boring on lands leased from Baron Von Schroeder in the northern part of the county, has resumed work. The drill is now down 1000 feet and has penetrated a stratum of asphaltum of the consistency or tar. Gas has been flowing so strongly for some days that the night shift had to cease work owing to the danger of having light in close proximity to the well.

The Famoso.

Well No. 3 is now down 600 feet and will be finished by the 25th. The three wells now producing oil have a capacity of at least 1500 barrels per day. Well No. 4 will be started at once. The company now has an agency at Liverpool, England of which Mr. R. A. Smith is the head. The company expects to have a pipe line connected with the storage tanks completed within a few days. The Famosa will have fifteen wells completed within two years.

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Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, May 15:

ÆTNA.

1000 at	16		160 00

BLUE GOOSE.

40 at	2 00		80 00

CALIFORNIA STANDARD.

100 at	34		34 00
5300 at	33		264 00
1000 at	35		350 00

CENTRAL PT. CON.

400 at	1 50		600 00

DOMINION.

400 at	20		80 00

FOUR OIL CO

200 at	47		94 00
100 at	49		49 00
2300 at	48		1104 00

GIANT.

1000 at	50		500 00

HOMESTAKE.

100 at	6 00		600 00

HOME OIL.

100 at	3 20		320 00
300 at	3 15		945 00
400 at	3 10		1240 00

INDEPENDENCE.

500 at	16		80 00
500 (B 10) at	16		80 00
100 at	15		15 00
2500 (B60) at	16		400 00

KERN.

175 at	6 00		1050 00

LION.

500 at	11		55 00
550 at	13		71 50
1700 at	12		204 00

MONARCH OF ARIZONA.

700 at	46		322 00
100 (S90) at	46		46 00
500 (S30) at	44		220 00
900 at	47		153 00
2300 at	45		1035 00

MONTE CRISTO.

200 (S90) at	2 30		460 00
100 at	2 40		240 00
600 at	2 35		1410 00

OCCIDENTAL OF W. VA.

847 at	55		465 85
100 (Cash) at	59		59 00
50 at	59		29 50
400 at	60		240 00

OIL CITY PET.

2000 (B30) at	29		580 00
2000 at	27		540 00
5000 at	28		1400 00
2000 at	29		580 00

PETROLEUM CENTER.

1500 at	10		150 00
1000 (B30) at	09		90 00
2000 (S90) at	07		140 00
5000 (Cash) at	08		400 00
500 (B90) at	08		40 00
1000 at	09		90 00
9900 at	08		792 00
10100 at	07		707 00
2600 at	06		156 00
200 at	05		10 00
100 at	04		4 00
100 (S90) at	04		4 00

PEERLESS.

150 (B90) at	8 62½		1293 75
60 at	7 50		450 00
150 (B90) at	8 50		1275 00
100 at	8 00		800 00

REED CRUDE.

1500 at	43		645 00
600 at	45		270 00

STERLING.

100 at	1 65		165 00
100 (B60) at	1 70		170 00
50 (Cash)	1 60		80 00
100 at	1 70		170 00

S. F. & McKITTRICK.

50 at	1 00		50 00

SUNSET.

500 at	20		100 00
100 at	25		25 00

TWENTY-EIGHT.

375 at	1 15		431 25
100 at	1 20		120 00
300 at	1 25		375 00

WOLVERINE.

200 at	1 00		200 00
550 at	1 05		577 50

WEST SHORE.

500 at	2 50		1250 00
Shares	76,647	Amount	$27,296.35

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending May 15:

CALIFORNIA STANDARD.

1000 at	35		1750 00

CALA. & UTAH.

500 at	25		125 00

FOUR OIL.

500 at	50		250 00
300 at	49		147 00

HOME OIL.

100 at	3 20		320 00

HANFORD.

10 at	94 00		940 00

INDEPENDENCE.

3500 at	15		525 00
1000 at	15		150 00

LION.

1500 at	13		195 00
300 at	14		42 00
1000 at	12		120 00
500 at	11		55 00
2500 (S 30) at	11		275 00

MONTE CRISTO.

400 at	2 32½		940 00

McKITTRICK.

1000 at	38		380 00

MONARCH OF ARIZONA.

300 at	45		135 00
1500 at	47		705 00
500 at	48		240 00
1500 at	46		690 00

PETROLEUM CENTER.

9500 at	08		760 00
3500 at	07		245 00
500 (S 30) at	07		35 00
1000 at	09		90 00
1000 at	11		110 00
1000 at	10		100 00
1000 at	06		60 00

SAN JOAQUIN.

200 at	9 00		1800 00
1000 at	9 25		9250 00

STERLING.

400 at	1 60		640 00
Shares	40,510	Amount	$21,064

General Manager Kruttschnitt of the Southern Pacific has announced that the proposed railroad into the Sunset oil district, over which there has been so much uncertainty since it was first planned last year, would be built. "The building of the road is a good and feasible proposition," said Mr. Krutschnitt, "and it will be started and pushed to completion as soon as possible. The road will run from Gosford, a station on our line, and extend to the Sunset oil district, on the slope of the Tehachapi, which is one of the most flourishing and promising oil districts in the state." The road will be twenty-eight miles in length and will cost about $500,000. Material is already on the ground and construction work will begin immediately. The Southern Pacific and Santa Fe have united in support of the undertaking, of which C. M. Beale and W. S. Tevis of the Kern County Land company of Bakersfield are ostensibly the moving spirits.

According to a press dispatch from Washington, the postal authorities will inquire into the standing of the California and Texas oil companies that are advertising so extensively in Eastern papers, trying to sell stock to the public, and guaranteeing heavy dividends upon exceedingly small investments. Several such companies which have been advertising lately are known to have misrepresented facts, and the postal authorities believe that there is a fair percentage of companies now advertising that do not possess merit and are plain frauds, which, in the interest of the public, should be excluded from the use of the United States mails. The department has already set its agents at work upon companies that carry flamboyant advertisements in Eastern papers, and if it is found that any of them are of a fraudulent character, fraud orders will be issued against them, and their mail will at once be stopped.

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OIL IN THE DESERT.

How Development is Proceeding Near Kramer.

For about a year past there has been active work in the way of development in the San Bernardino desert near Kramer and Barstow, the latter being the junction of the two Santa Fe branches which connect respectively with Northern and Southern California. There are no oil or mineral springs in this territory, as the surface is perfectly dry, but the presence of gypsum float and a fine-grained

Scene in the Oil District of San Bernardino County, Nine Miles North of Barstow.

bituminous rock, which is nothing more than oil-sand thoroughly dried by long exposure, seem to give sufficient promise to justify exploration. A number of holders' claims around Hiawatha and Kramer have pooled issues and formed a joint stock corporation called the Kramer Consolidated. This company drilled on 44-10, S. B. M., with a portable rig and found a seepage of oil and are preparing to go to work with a standard rig. They also sunk prospect wells on 45-10 near Hiawatha and 43-11 near Kramer.

Scene in the Oil District of San Bernardino County.

On 46-10 near Hinckley the People's Oil Company, a Fresno corporation, are preparing to put a rig, and on 44-5, four miles from Victor, the X-ray Company has a rig up and has put down a hole on its holdings, which comprise about eight sections. W. A. Fourness of this city has extensive holdings about nine miles north of Dagget and the same distance from Barstow, which show the presence of bituminous rock and other oil indications. Of this property an expert report says :

"The surveyor's camp was located about twelve miles out from Barstow. All of our locations are on the east and west side of San Bernardino Meridian, in township 11 north, range 1 east and 1 west. The general formation of this country is good for oil. The anticline runs east and west, and the dip is to the south. Granite hills lie to the north of this range, and the desert on the south, towards the Mojave river. Most any of the shale that I have tested so far gives all sulphuretted hydrogen; no mineral springs exist in this territory, as the country is too dry. The elevation is about 2500 feet; there is a company on the west that got a small seepage of oil with a hydraulic rig at 519 feet. They are now putting in a standard rig.

"There are some faults to be found in the formation, but it is not a general fault. On section 36, township 11 north, range 1 west, two men were killed by the explosion of gas about a year ago in a shaft 20 feet deep, while digging for borax. Further east and south are the borax wells, and there the hills dip under the desert, but taking the general trend and strike of the country in general, the formation should show again about thirty miles east of this place."

The Kramer Consolidated Oil company held a meeting Wednesday evening for the purpose of completing arrangements relative to the thorough development of work on its property in the Kramer field. The Adams Construction company of Los Angeles, which has been awarded the contract for drilling a well on the property, shipped a rig to the field Tuesday, and expects to be in a position to begin work before the end of the present month.

California and Utah Oil Co.

While this company has land in several of the well known oil districts of the state, it was decided by the board of directors to begin their first development work in 10, 30-21, McKittrick district. This section has recently attracted considerable attention. as it was here that the Little Standard made their great strike. Even before that it was well considered, as its neighbors are strong producers, and it lies in a direct line between the Climax, which has a number of first-class wells, and the well known properties of the Giant, Kern River and other oil companies, whose production is well-known to all oil men.

Rigs and buildings are now being erected and machinery installed preparatory to drilling their first well. As soon as these are completed, which will be in a few days, the drill will be started and drilling pushed with all possible dispatch. It is the purpose of the company to develop as rapidly as practicable their numerous holdings and put the company on a dividend-paying basis. With the certainty of striking oil on their McKittrick property this should be realized in a short time. Any inquiries in regard to their property in this or any other districts will be cheerfully answered at their offices, 413-414 Adams building, San Francisco.

El Capitan has completed its first well, which is one of the best in the Coalinga district, and is putting in a pump and connecting with a 2000-barrel tank erected for the purpose of storing what oil is pumped while perfecting the well. The company will also have its second drilling rig completed and ready for work this week.

SIX WELLS CONTRACTED FOR

Work to Commence at Once

In the Heart of the Great Kern River District

4000 acres of productive oil lands

10 Cents A Share

Operations to begin on Section 19, 28-28, Kern River District.

Group of Wells in Kern River District.

No delay. Aggressiveness our purpose. Large Dividends our aim.

10 Cents A Share

Stock Non-Assessable

For further particulars address

STANDARD CONSOLIDATED OIL AND LAND COMPANY

ROOM 7, HOBART BUILDING, 532 MARKET ST., SAN FRANCISCO.

Desirable Representatives Wanted.

Oil Lands

and

Oil Stocks

We have some of the most promising Oil Lands in

KERN, VENTURA AND FRESNO COUNTIES

Which we will dispose of at exceptionally reasonable terms.

We are also prepared to sell stocks in reliable companies operating in California.

Information freely furnished on all matters pertaining to the Oil Industry.

Call on or address:

SHEA & PETERSON

301 HEARST BUILDING

SAN FRANCISCO, CAL.

The Calistoga Oil and Development Company

Holding by purchase, leases and options valuable properties in Yolo, Napa, Fresno, San Benito, Monterey and Kern Counties, is offering a limited amount of its treasury stock at 50 cents per share.

Before placing this stock on the market the directors have secured the properties and furnished funds to purchase two rigs. Actual drilling will begin this month. Are you interested? Then call or write for prospectus.

OFFICERS AND DIRECTORS

L. D. HITCHCOCK, President. ROBERT B. TODD, Vice-President
B. F. EDWARDS, Secretary. J. M. CASSELMAN, Treasurer.
DR. E. J. BOYES. DR. H. G. THOMAS.

SAN FRANCISCO NATIONAL BANK, Depository.

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SAN FRANCISCO, CAL.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

California vs. the East.

The Los Angeles Herald asserts that once more a comparison of the work in the oil fields of the East, as presented by the monthly oil report of the Oil City Derrick, with the work in California oil fields, as presented in its monthly oil report, tells a surprising story of development in California. The Derrick, it should be explained, classes all the work of New York, Pennsylvania, West Virginia, Ohio and Indiana under the field titles of Pennsylvania, Buckeye and Indiana.

Wells completed April, 1901—

Field.	Completed.	Production.	Dry.
Pennsylvania	589	8,224	171
Buckeye	260	4,134	33
Indiana	121	2,526	14
Total	970	14,884	281
California	140	4,620	20
Percentage in California of all east	10.7	28.6	9.2

Work under way April 30, 1901—

Field.	Rigs.	Wells Drill'g.	Total.
Indiana	54	119	164
Pennsylvania	370	587	957
Buckeye	122	238	360
Totals	537	944	1,481
Percentage in California of all east	49.9	70.97	63.3

One of the surprising side features of this showing is that in the Eastern fields 2.17 of the wells completed in April were dry, while in California, where the fields are new, but 19 per cent were dry.

Change of Location.

The Merced Sun reports that the Crocker-Huffman people have made a little change in their arrangements for boring for oil. The public was surprised and disappointed last week when it became known that an order had been received to stop work on the gas well on the Olds place, five miles from town, where the company had erected a derrick and was putting in the machinery preparatory to boring. It seems, however, that those in charge decided that the prospect for oil was better in another quarter; so, in accordance with that decision, a point has been located on the Oakland tract, between Merced and the Ashe ranch, and there a well will be sunk. It is the intention to go down a sufficient depth to either find oil or prove conclusively that there is no oil there. Experts who have examined this new location believe oil will be found there.

New Oil Consumer.

The Spreckels Sugar Factory in Monterey County was one of the early users of fuel oil, and the Salinas Light and Water company, who recently adopted it, are pleased with it. The next large institution in this neighborhood to make the change will be the Sperry Flour Mill. The pit for the two large reservoirs in which the oil will be stored has been finished, and the construction of the tanks commenced.

These will be situated about forty feet from the engine room, on the southern side, and the supply to be used in the furnace will be pumped from the tanks by gravity pressure, out through a feed pipe into a reservoir where the oil will be warmed to the proper temperature. It is then drawn off as needed, and, by the Tracey burner, converted into vapor before reaching the interior of the fire box, where it is forced against the fire brick in a spray of flame.

The manager expects to have the new system in operation within ten days. Besides the saving in fuel it will dispense with the work of four men, who are constantly engaged hauling the wood to the firemen.

A side track connecting with the Southern Pacific Company's main line will be laid to the reservoirs and the oil cars will be unloaded by gravity force. Each one of the storage tanks will contain 7,000 gallons of the liquid fuel. Engineer T. J. Smith is superintending the work.

Competitor of Standard Oil

Seven years ago Lewis Emery, Jr., of Bradford, Pa., and other independent oil producers, organized the United States Pipe Line company for the purpose of piping their own and other separators' product to the seaboard. Pipe lines were laid from Bradford to Hancock, where the lines were to pass under a bridge of the Erie railroad. The railroad company secured a permanent injunction against the oil people. A new route was selected through Pennsylvania and New Jersey. At Belleview, Washington county, N. J., they were again confronted with the same conditions as at Hancock, but the obstructionist was the Pennsylvania railroad. After a losing dispute in the courts, lines were laid to Wilkesbarre, thence to Freemansburg, Pa., thence to Marcus Hook, near Philadelphia. Last Monday morning the valves at Freemansburg were opened and the oil allowed to be pumped through to the seaboard for ocean-going ships. It will take four days for the oil to travel to Marcus Hook, 128 miles. The United States company is now the only competitor of note of the Standard Oil company and is pushing lines into the West Virginia fields for a portion of their oil. Independent pipe lines now extend from Sisterville to Marcus Hook. Several companies are in this system.

County Clerk Miller of Kern says that over 570 oil companies have filed articles of incorporation in his office since the discovery of oil in that county.

Notice of Annual Meeting.

To the members of the California Petroleum Miners' Association: The annual meeting of the members of the California Petroleum Miners' Association will be held at the office of the company, at room 33, 2nd floor of the Mills Building, in San Francisco, California, on Tuesday, June 4, 1901, at 2 o'clock P. M. of said day, for the purpose of adopting new by-laws, electing directors for the ensuing year, and transacting such other business as may come before the meeting. By order of the president of the board of directors.
Dated May 10, 1901. W. B. SIMMONS, Secy.

Standard Rock Oil Co.

On April 23rd, 1901, one of the strongest and certainly soundest oil companies in California was formed under the laws of Arizona, therefore the company's stock is non-assessable. The Standard Rock has enough assets to satisfy any intending investor. One of the best pieces of oil land, absolutely proven oil land, which originally belonged to the Stella Oil company, fifty-two acres in SW¼ section 1 township 30 south, range 21 east is entirely surrounded by very large producers and as this part of the section does not show any break in the formation, the company has a right to expect wells which will produce 200 to 250 barrels. It is a fact that the Stella company hesitated for months before letting go of the property, but it had to be developed, so they leased it reluctantly to the Standard Rock Oil company. This company has erected a strong derrick and has contracted with Mr. J. L. Berry of McKittrick for the first well. This contractor is known as one of the most reliable and responsible in Kern county and he has written to the company that he will accept part cash, part stock, for the drilling of the well. He writes in his letter to the general manager of the Standard Rock: "I expect to make my money out of the stock, the cash will just about pay my men. I am very glad that you have secured the Stella."

This contractor has drilled many wells by contract for the largest companies in McKittrick and has never failed to strike oil. Mr. Berry was the first contractor in that field and such an assuring confidence of an experienced oil driller certainly doubly guarantees the success of the Standard Rock Oil company.

The company is capitalized at $300,000, in shares of $1 each and has still 120,000 shares in the treasury, which stock now sells at 20 cents, but inside of three months very likely will go to 50 cents. After completion of second well inside of five months dividends may be certainly expected and lucky is the man who gets in on the ground floor.

The Standard Rock also owns outright eighty acres on famous Coalinga near the Home Oil company, whose derricks can be seen from this land and whose shares sell at $5000 each. The company also owns 160 acres of very choice oil land in Napa valley, where oil is worth $8 per barrel. The Standard Rock certainly deserves the fullest confidence of the public and trust by investors will not be misplaced.

Prospectus can be had at the company's offices at 475-76 Parrott building, (Emporium) 855 Market street, San Francisco.

Another Big Step Forward

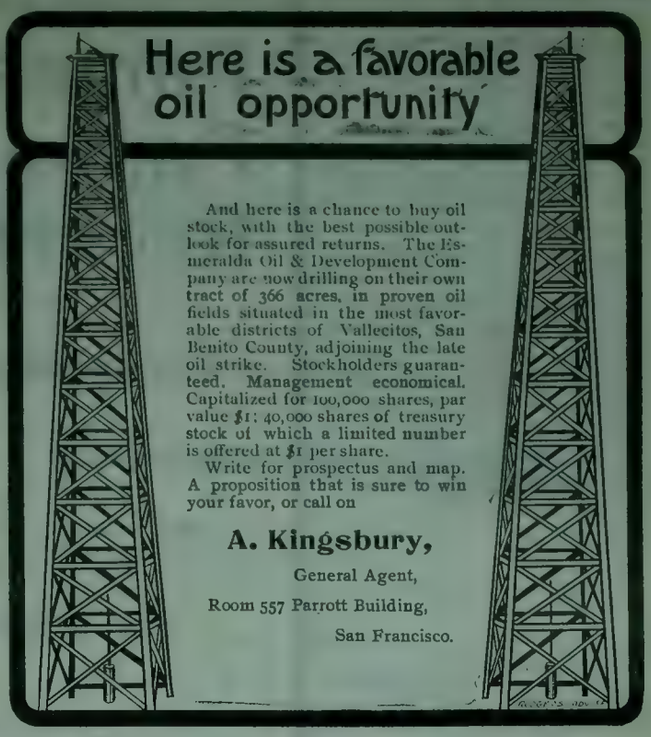
The Western Oil Association again makes a lunge forward, having absorbed the Lewis Creek Oil company together with all its holdings. This association now ranks among the very largest doing business. The Lewis Creek Oil company had acquired title to 5,000 acres of land in the Bitterwater district, San Benito county. Every one who is familiar with the oil fields knows of the superior quality of the oil produced in this locality. Being of a paraffine base and containing very little asphaltum it may be refined and used for illuminating purposes, therefore it is by far the most valuable oil yet found. This consolidation was effected with the Western Oil Association last week, and now this association holds title to all the land formerly owned by the Lewis Creek Oil company.

Owing to the enormous sale of stock the board of directors of the Western Oil Association has decided to advance price of same on June 10th, at least 50 per cent, and we would not be surprised to see it go up to 100 per cent immediately. In addition to the work of developing their valuable holdings in Kern River District they will commence operations at once on their newly acquired properties.

Prospective investors can positively make no mistake in buying a block of this stock at once, for the price is bound to steadily advance.

For Developing Strictly.

The stock of the Standard Consolidated Oil and Land company which they are offering for a limited time at 10 cents per share is an opportunity that investors should not overlook. When their large holdings of oil lands in defined districts are taken into consideration and their property in the very heart of the great Kern River district where failures are unknown, with a progressive management that has already contracted for the boring of six oil wells, work to start at once. It would seem that any one with the slightest ambition to improve their financial condition would gladly take advantage of this offer and make an investment in accordance with their means in the stock of this company, especially when the same can be purchased at a very nominal price. This company being organized for developing purposes strictly the management is working with as much rapidity as possible to place the Standard Consolidated on a dividend paying basis and make large profits for the stockholders.



We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

For a few days only we will sell stock at ten cents per share.

First well completed about May 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed. No agents. No prospectus. Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.
T. A. KIRKPATRICK, Secretary.
HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.
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Petroleum Oil, Asphaltum and kindred hydrocarbons

WANTED

Everyone desiring the best oil stock speculation to buy

Ventura Consolidated Crude Oil Company Stock

Nearly 3000 acres oil land and a promising gold mine already fairly developed Wanted, Agents in every town.

W. G. YOUNG

Fiscal Agent.

628 Laughlin Building, Los Angeles, Cal.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell
WORK HAS COMMENCED The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at 25 CENTS PER SHARE. Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

Oil Stocks in Los Angeles.

Stock trading in Los Angeles has been interrupted during the past week and in consequence the volume of business has been far below the average. The Stock Exchange adjourned for several days during the "Fiesta" in honor of the visit of McKinley. What trading was done in several instances at better figures and the general tone of the market seems slightly stronger than heretofore. While prices are not what they should be the outlook appears brighter. Local producers have already made considerable progress towards forming a protective organization for marketing petroleum. Prices have already responded to this effort and the prospect is good for higher figures from this time on.

The fact that the Kern River producers have also taken steps to improve their market has had its influence on general prices.

Better times are expected by stock brokers and producers alike.

The damage done to the Hanford Oil company's rigs at Coalinga by the recent fire was not so great but that it was able to repair it, and the crude oil was again turned into the twenty-five horse power engine last week to start the pumps.

The Standard Oil company will place an oil tank in Visalia for the purpose of supplying the merchants of that city with their product. The tank will be placed on the line of the Santa Fe railroad, near the stock corrals. Heretofore Visalia business houses have had to secure their oil from the tanks at Tulare.

Oil Companies Incorporated.

ARIZONA.

Kern Jewel Oil company. Capitalization, $500,000; incorporators, J N Sherburne, W A Brace, C J Sweeney, George K Rogers, W L Temple, George W Lunt, William H Dick, C G Benedict, J N Barstow, J G Foster, Moale, Cloudy Morning Eccles, A D Taylor, C P Griswold, D Oliver, Jr, of San Francisno.

Texas California Oil company. Capitalization, $500,000; incorporators, Dion Geraldine, B S White, L S Replogie of Chicago.

Elizalde Oil company. Capitalization, $650,000; incorporators, Henry Laub, T E Gibbon, Fred Zucker, J Kahn, E J Lawton, A Prenzlauer of Los Angeles; J A Vail of Flagstaff, G Brenner of San Francisco, William S Collins of Riverside.

Kern Queen Oil company. Capitalization, $300,000; incorporators, F J Osborne, J B Henderson, A G Schoesser, N S Harshman, G W Turner, Albert Cohn, H C Sigler, Robert Young.

La Grande Sunset Oil & Development company. Capitalization, $400,000; incorporators, D C Clark, C Hudson Jordan, E N Peck, A N Phalin, Adolphus Graupner of San Francisco.

Ferndale Oil company. Capitalization, $500,000; incorporators, A C Deitz, D H Mostellar F Allen, C A McWilliams, Frank Ench, W S O'Brien, C H Cushing of San Francisco.

Anglo-American Oil company. Capitalization, $11,000,000; incorporators, F S Bassett, George H Sharp, Frank A Morrical of Beaumont, Tex.

Success Oil company. Capitalization, $350,000; incorporations, H E Mills, W H Holcomb, N N Goodwin, W H Mauser, J C Hezar of San Diego.

May Queen Oil Land Syndicate. Capitalization, $2,000,000; incorporators, J L Howard, M L Culver, D H Masteller, J L Geary, Jr, S Maybell McNunan, H Miels, G Mathen, Jr, A M Taylor, of San Francisco.

Paxton Gold Bond Oil company. Capitalization, $500,000; incorporators, James E Kerr, H H Davis, C F O'Brien, Milton M Davis, T C Fridell, F Rothmann, E H Benjamin, H R Trifle, D F Hall.

Weldon Oil & Development company. Capitalization, $500,000; incorporators, G W Emmens, G G Lepis, R H Coiless, W F Bolgart, John A Beckwith of San Francisco.

Swiss-American Oil company. Capitalization, $500,000; incorporators, L A Rea, John Delamonia and others of San Francisco.

Union Mutual Oil company. Capitalization, $500,000; incorporators, Charles Phipps, P B Donohue, Rasmus Rasmussen, L Grothwele, J H Heenan of San Francisco.

Barton Oil company. Capitalization, $500,000; the highest amount of indebtedness to which the corporation shall subject itself shall be $50; incorporators, J N Barton, Adolph Teichert, J A McKee, R D Finnie, B F Howard of Sacramento, Cal.

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Two Big Wells in Seventy Days

Dividends Our Object

Well No. 1 finished and pumping
Well No. 2 ready for perforation
Well No. 3 now being drilled

Stock Non-Assessable

Ready to Market Fuel il in Quantity.

Treasury Stock Now Selling at 75 Cents to Continue Quick Development

Famoso Oil and Investment Co.

393 PARROTT BUILDING

SAN FRANCISCO, CAL.

Reliable and Strictly Legitimate Oil Stock

20c Your Money Guaranteed 20c

STANDARD ROCK OIL CO.

Do you wish to make money? Be careful and invest only in a sound and safe company! This stock is non-assessable! **Oil guaranteed!**

We are Successful Oil Men; follow us!

Directors are honest and capable business men

Land lies one-half a mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it.

All our neighbors have large producers!

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders.

Large dividends certain inside of 8 months.

Extra hours—Saturdays, 7 to 8 p. m.; Sundays, 11:30 to 1 p. m.

Send for prospectus.

Delays cost money.

STANDARD ROCK OIL COMPANY

475-476 Parrott Building

855 Market.

AMERICAN STEEL AND WIRE CM'PY

Pacific Works

The only Wire Rope Factory on the Pacific Coast.

We make

Wire Ropes, Cable and Hawsers

For all purposes and with every possible combination of Wires, steel and iron, galvanized or plain.

Wire Ropes Of all Kinds For Oil Well Purposes

And all fixtures and appliances for the use of Wire Rope

Send your orders to

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Colusa, Cal.

W. FORGIE

Manufacturer

OIL & GAS WELL · · · · RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices etc., inquire D. HOOKER, Los Angeles, Cal., W. FORGIE, Washington, Pa.

The Barrett Oil Well Swivel Wrench For carrying and placing bits in drilling stem boxes

Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.
It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different size squares to suit different size bits.

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J. BARRETT, Allegheny, Pa.

Webster Iron Works

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MACHINE SHOPS FOUNDRY
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Rig Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

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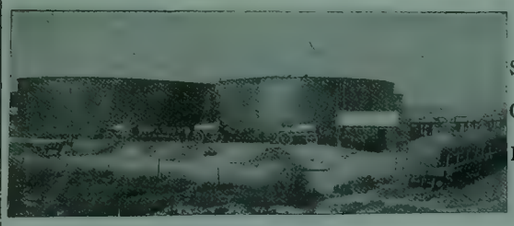

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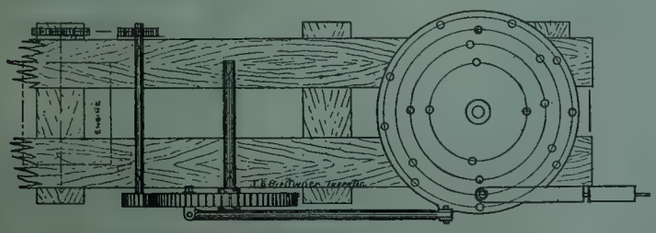
Oil Well Casing Oil Stills

Works: Cor. New Main and Date streets. P. O. Box 231
Telephone, Main 196. Baker Block. Station C

Office, 334 North Main Street, Los Angeles, Cal.

A PUMPING POWER

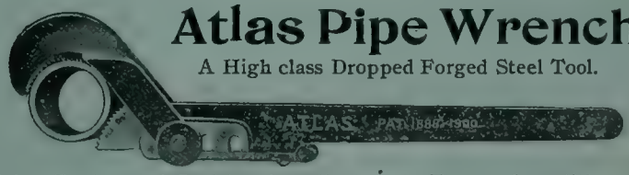
That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



J. E. BREITWISER, Inventor. RISDON IRON WORKS, Builders

Atlas Pipe Wrench

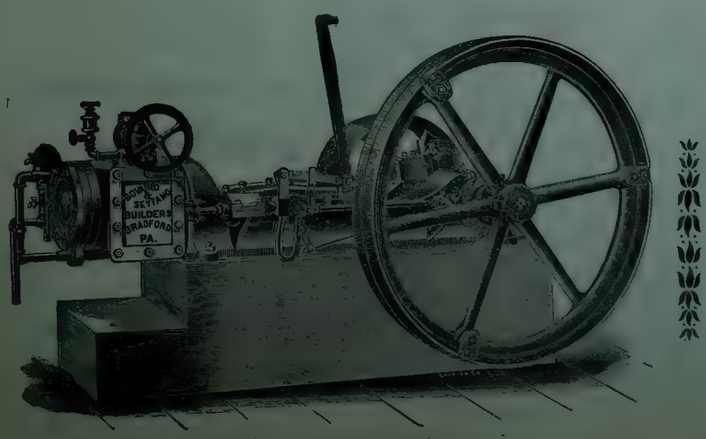
A High class Dropped Forged Steel Tool.



Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

ATLAS PIPE WRENCH CO. 51 Flood Building, San Francisco.
New York Office, 121 Liberty Street Works, New Haven, Conn.



Oil Well Drilling Engine.

Parke & Lacy Co.

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21 and 23 FREMONT ST., SAN FRANCISCO

OIL WELL DRILLING MAHINERY

TOOLS AND SUPPLIES

ENGINES, BOILERS, PUMPS, ETC.

BOSTON CASING

PROMPT DELIVERY CORRESPONDENCE SOLICITED

OIL DIRECTORY

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francsco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$4,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W W Benchley; W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 4 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands. 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig,
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Finnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A. Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Malty, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general uperintendent; D P Kellogg; E A Gilbert, A P hepard, directors. Office—606 Hearst (Examiner) uilding, San Francisco.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-presideut, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, Jonn R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson-Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, lCal,

WESTERN OIL ASSOCIATION
Capital $1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
Location: SW¼ of NE¼ 7, 28-28 M D B and M Kern River district.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; J H Edson, manager; Union Trust company, treasurer; W E Robinson, Springfield, Ill., J H Edson, Oakland, Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 228 A street; Portland, Ore, McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone - Main 671.

X L N T OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office—552 Parrott building, San Francisco, Cal

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Producing Oil Lands, with from 1 to 4 or more wells producing.
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Has 100 Acres 4 miles south of Hollister, where companies are now drilling, and more rigs are being completed.

Our derrick and bunk houses are finished and water pipe laid.

Capitalized for 500,000 shares at $1.00 each.

200,000 shares have been set aside for Treasury stock, of which 50,000 shares will be sold for drilling first two wells. This block is now offered for sale and is selling rapidly.

No Promoters' Stock Offered.

A dozen rigs will be drilling near us within three months. Oil has already been struck at a slight depth.

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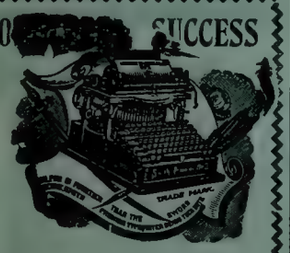

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Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick, Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

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400,000 Shares of Oil Stock

IN PROVEN TERRITORY

One Hundred and Sixty Acres in Section 10, Township 30 S., Range 21 E. On this section the Little Standard made a big strike. Largest producers in the district on adjacent lands.

Certain of Oil

Drilling on a direct line between large producers, and close beside a producing well in the same section.

Two Rigs Erected

on this section and development of this and other properties will be pushed as rapidly as possible.

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Large Holdings in Well-Known Districts.

Devil's Den ..... 240 acres
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A Limited Amount of Treasury Stock Now Selling at 25c. Per Share.

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Incorporated under the laws of the State of South Dakota. Stock Non-Assessable.

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Ventura County **A Close Company** **High Grade Oil**

Santa Paula Gravity Oil Company

OF ARIZONA

This company does not owe one dollar

A close company offering a limited number of shares for ten days only at

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First well down 650 feet in oil. Eleven producing wells ¾ of a mile directly west.

Good Agents Wanted

Largest Oil Seepage in California. Ventura County. Trough Buried in Oil Flow

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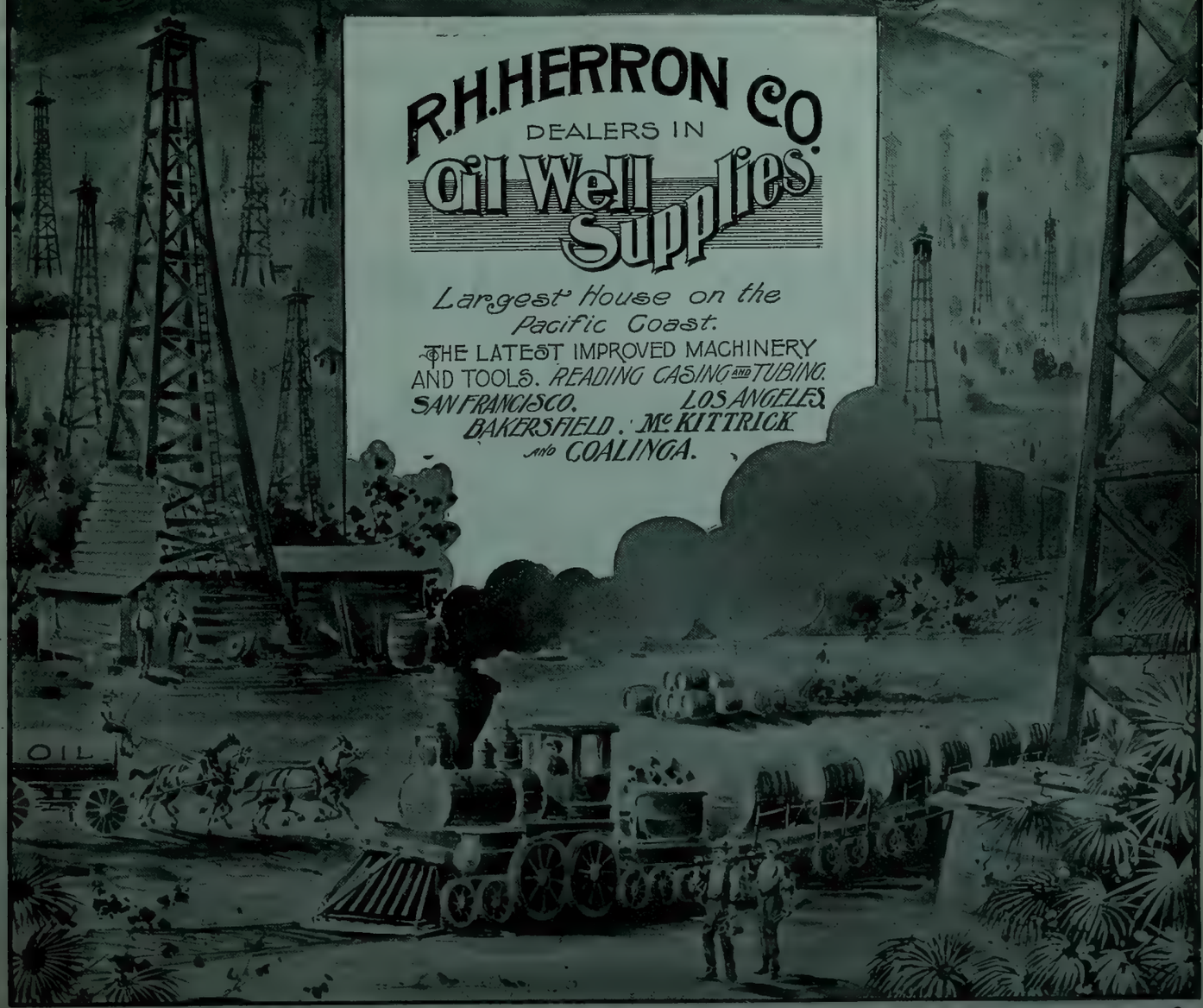
CALIFORNIA STATE

Endorsed by the California Petroleum Miners' Association.

VOLUME 2 NUMBER 23

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MAY 24, 1901.



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Hurry in your orders. Our stock will soon advance. We have the best Oil Lands in the best districts. Lay the foundation for large and liberal profits.

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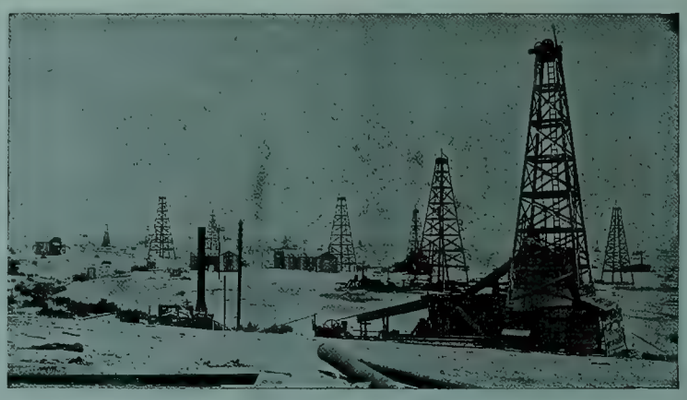
Another big deal closed in which they secure by purchase 5000 acres valuable lands in the very heart of the illuminating belt in San Benito County, adjoinining the property of the Nonpariel Oil Company.



In addition to its operations in the Great Kern River District, it will begin development at once of the new tract in the illuminating belt, where the oil known to exist is many times more valable than the quality found elsewhere.

Price of Stock Will Advance June 10th to 15c

Until that time your last opportunity is offered to get in on the ground floor at 10 cents per share. Write

R. K. ROBERTS, Secretary

312 Emma Spreckels Building

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10 Cents Till June 10th

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PACIFIC OIL REPORTER

VOL. 2. NO. 29. SAN FRANCISCO, CAL., FRIDAY, MAY 24, 1901. PRICE, TEN CENTS

USE OF NITRO-GLYCERINE.

How Shooting Oil Wells is Carried on in the Eastern Fields.

Means Employed to Shatter the Trenton Rock Formation of Ohio and Indiana, Allowing the Oil to Enter the Hole Freely—Not Successful in California.

The usual method in drilling oil wells throughout the Indiana field is to drive an exceedingly heavy type of wrought iron pipe through the drift formation, until the bottom joint of pipe rests upon the Niagara limestone, thus shutting off all surface deposits. This pipe is generally eight inches in diameter, and varies in weight according to the depth to the Niagara limestone, from twenty-five to thirty-two pounds per foot. The sections of this pipe range in length from ten to twenty feet, and are screwed together with the usual American threaded collar joint.

In an area approximately one mile in width, extending in a general east and westerly direction for a distance of thirty miles, a deep, pre-historic river channel has been discovered with canyon-like walls, 300 feet in height. This river bed has been entirely filled in with glacial deposits, and is at present covered to a usual depth of 100 feet above the top of the canyon walls, thus requiring approximately 400 feet to drive pipe in this particular area. With this exception, the amount of drive pipe required throughout the main Indiana oil pool is usually less than 150 feet.

Below the Niagara limestone is found the Hudson River shales which mark the lowest limit of fresh water in the oil districts, and it is in this formation that the bottom of the casing is set, usually at a depth of from 225 to 375 feet from the surface. The casing is the usual American screwed casing of five and five-eighths or six and one-fourth inches inside diameter. Below this point the limestone and shale formations are found entirely devoid of water until the Trenton limestone is reached. The formation immediately overlying the Trenton limestone is a closely grained bed of black shale or slate, which forms an impervious cover for the oil and gas reservoir. The Trenton limestone found usually at a depth of approximately 1,000 feet from the surface, constitutes the oil and gas producing formation of this great oil field.

There is probably no oil field in the world in which nitro-glycerine is so freely used as in the limestone districts of Ohio and Indiana the oil formation being comparatively close and hard, thus requiring the shattering effect of a large charge of nitro-glycerine before securing any considerable yield of oil from the average well. Fully 99 per cent of all wells completed in the Indiana district are shot with a heavy charge of nitro-glycerine immediately upon their completion. The usual shot in eastern sections of the field is from 160 to 220 quarts of the high explosive. The explosion of this large amount of nitro-glycerine, results, without question, in shattering the oil formation to a considerable distance from the drill hole, and results in a well producing a yield many times greater than it would yield in its natural condition. The placing of a charge of nitro-glycerine in a well is conducted by firms known as Glycerine companies. Owing to the extremely dangerous nature of this explosive the profession is a very hazardous one and calls for the employment of skilled and fearless men. Many fatalities have occured in the Indiana field and scarcely a shooter of any experience can be found who is not able to relate one or more hair-breadth escapes. The nitro-glycerine is lowered into the well in twenty-quart shells, and in the standard size well, namely, six and one-quarter inches in diameter, the 200 quarts of nitro-glycerine fill ten shells five and one-half inches in diameter with a total height of about forty-two feet. For such a charge a well should be drilled at least fifty feet in the oil formation, thus allowing eight feet of limestone above the top shell, which protects the slate immediately above the oil formation and avoids caving. After the ten shells have been lowered into the well, a firing head is next lowered. This device is shaped like a short shell, having within it a small tube containing one half pint of nitro-glycerine, and a small rod connected with a firing pin on which are placed two percussion caps, on the upper end of which is fixed a small iron platform which, when the firing head is lowered into the well, forms the strike plate on which the weight, or "go-devil," strikes. The "go-devil" is a weight made of cast iron, which is dropped from the top of the well into the drill hole when everything is in readiness for the shot; the nitro-glycerine being covered in all cases with a sufficient amount of damp in the form of fluid, either water or oil, to insure a concentrated action of the explosive upon the oil formation. The usual result which occurs some forty seconds after the "go-devil" has been dropped, is well illustrated in the accompanying half tone; the force of the explosion forcing the oil or water in the hole to a great height above the derrick. The drilling tools are then run to the bottom of the hole, and in case the well has not been filled up with loose particles of rock, the pumping outfit is immediately placed in the well and its career as an oil producer has commenced. The average first day's production of the Indiana and Ohio district will be found to be approximately twenty barrels, the Indiana average being slightly higher than the Ohio. On many properties, however, the average first day's production of wells drilled will be as high as 100 barrels or more.

Shooting an Oil Well.—Effect of an Explosion of Nitro-Glycerine used to Shatter the Trenton Rock Formation of the Indiana Oil Fields.—Oil and Water Forced Above the Derrick.

The nitro-glycerine used in Indiana and Ohio is manufactured in some secluded spot near the oil fields, so as to avoid hauling any greater distance than is absolutely necessary.

The drilling tools used throughout the Trenton limestone district of Indiana and Ohio are without exception cable tools; a heavy auger stem, weighing, with the drilling bits, from 2,500 to 3,500 pounds, being attached to a manila drilling cable of a usual diameter of two inches. The universal custom throughout the district in the drilling of wells, is for the owner of the oil producing property to erect at his own expense, what is known as a standard carpenter's rig, consisting of a seventy-two foot derrick complete, with bull wheels, sand reel, etc., and to furnish all necessary pipe, casing and tubing. The drilling contractor is engaged to drill the well at so much per foot, usually about 50 cents, thus making the drilling cost of a 1,000 foot well approximately $500. The drilling contractor is expected to furnish for this purpose the entire mechanical equipment necessary to drill the well, together with fuel and water, and is expected to clean the well out and insert the pumping outfit after the well has been shot; his contract terminating upon the well commencing to pump, if it be a producer, and in case it be a dry hole he is expected to insert the pine plugs in the well, which are used in plugging abandoned wells, and pull the casing from the well. The cost of the average producing oil well in the Trenton limestone Indiana field will thus be as follows:

1 carpenter's drilling rig....	$325
150 feet 8-inch pipe...	150
250 feet 6¼-inch casing....	100
200 quarts nitro-glycerine...	165
Pumping outfit, tubing and pumping rods.....	225
Driller's contract, 1,050 feet.	525
A total of.....	$1,490

Inasmuch as the drilling rig owned by the producer is used over and over again, it being generally removed upon the completion of the well, the actual net cost of the well completed will be approximately $1,165.

An experienced crew of drillers with modern tools will drill a Trenton limestone well in Indiana in from eight to fifteen days of twenty-four hours, and in some instances a well has been completed in less than six days, including cleaning the well out after the

shot and inserting the pumping outfit.

The well, on its completion, is generally equipped with a pumping jack, consisting of framed timbers so designed that upon being attached to steel rod lines running from the pumping power, will give the pumping rods in the well their proper motion, and in this way the well becomes part of the equipment of a pumping plant.—Pet. Rev.

Well-Shooter in the Indiana Field Filling Twenty-Quart Shell with Nitro-Glycerine Before Lowering into the Hole.

Production Estimates.

A civil engineer has contributed the following interesting article to the Bakersfield Californian:

"The oil sand as now exploited in the Kern river field lies practically horizontal and is from 300 to 500 feet in thickness. A very conservative estimate of the saturation is ten per cent, that is the oil sand will yield one-tenth of its volume in oil.

"This gives:

For 100 feet.....155,400 barrels
For 300 feet.....233,100 barrels
For 400 feet.....311,000 barrels
For 500 feet.....387,500 barrels

"In this field it costs to raise a barrel of oil, including cost of well, operating expenses and deterioration, 5 cents.

"Taking 400 feet of oil sand as a basis, with ten per cent saturation, the margin for speculation in land and oil stocks is shown in the following figures, showing the amount of oil represented by shares of stock in several of the leading companies in Kern river fields.

"The following figures relate to actual, bona fide producing companies, which for obvious reasons, are distinguished by numbers instead of their names:

Comp'y	Acres	No. Shares	Shares per Acre	Barrels per Share
1	480	100,000	208	1494
2	1000	2,000,000	2000	156
3	160	250,000	1562	199
4	160	100,000	6250	500
5	80	250,000	3125	100
6	480	500,000	1042	298
7	80	100,000	1250	248
8	80	100,000	1250	248
9	160	500,000	3125	100
10	40	100,000	2500	124
11	80	250,000	3125	100
12	40	100,000	2500	124
13	80	200,000	2500	124
14	160	100,000	625	498
15	80	500,000	6250	50
16	40	100,000	2500	124
17	160	500,000	3125	100
18	40	200,000	5000	62
19	20	300,000	15000	21
20	490	100,000	204	1523

"Cost of production, 5 cents per barrel; cost of well, $5,000; 7 per cent interest and taxes on $5,000, $500. Figure your profits."

ANNUAL MEETING.

Important Meeting of the California Petroleum Miners' Association.

The annual meeting of the California Petroleum Miners' Association will be held in the office of the Association, in the Mills' building, on June 4th, at 2 o'clock. Business of great importance, so far as the oil industry is concerned, is expected to be transacted. It is therefore extremely desirable that a full representation of its corporate members, as well as of individuals, be had. A committee consisting of Dr. C. T. Dean, E. P. Heald and E. D. Berri has been appointed to receive the proxies and to vote the proxies of such companies as cannot conveniently be represented by one of their own representatives at the meeting. Each company is entitled to one representative.

A new board of directors is to be elected, also committees appointed for the purpose of preparing new by-laws and constitution.

The California Petroleum Miners' Association has it in its power to accomplish much good, and it is hoped that a board of directors will be appointed who will be men of energy and influence and of sufficient weight to interest not only the companies who are desirous of selling stock in order to drill a well, but also all the large producing companies. If the Association can count as members the main producers in the different oil districts from Coalinga to Fullerton, it will be in a position to act influentially in connection with the State Board of Railroad Commissioners and obtain lower freight rates from the railroad company. The Association has accomplished considerable in the past, and if its membership is increased as it should be increased, it will be in a position to accomplish some very much needed changes for the oil industry of California.

Texas Oil in England.

First, in regard to geographical position, the Texas fields offer distinct advantages. They are within easy reach of the sea, being only 13 miles from Port Arthur, which has direct communication with the Gulf of Mexico. No situation could be more favorable from a European point of view, and it will be England and the continent which will be chiefly benefited. The other fields from which supplies of liquid fuel can be drawn are Russia and Borneo, and, hitherto, the figure at which it has been possible to deliver oil to this country has been prohibitive so far as its general application is concerned. Freights alone have been too high to permit of the fuel being sold at a commercial price. We are quite aware that small quantities have come in and are used to a limited extent, but the question here is, the possibility of its general adoption, in whatever direction that is possible. Will the opening up of the Texas fields accomplish this? We are informed—though we have not yet been favored with the actual figures—that this Texas fuel oil can be landed in England at a much lower figure than that from other sources. But the important point is, will even this reduced price be sufficiently low to make it worth the while of manufacturers and others to substitute oil for coal?

In regard to the chemical and other qualities of the Texas oil compared with that of Russia and Borneo, the following data will be of interest. The composition of these oils is as follows:

	Texas	Borneo	Heavy Baku Oil	Baku Residuals.
Carbon	85.06	87.90	86.6	87.1
Hydrogen	11.03	10.78	12.3	11.7
Oxygen, nitrogen and sulphur	3.31	O. 1.24	1.1	1.2

The yields of the Texas oil, as indicated in an article on the subject, is as follows: Heavy fuel oils, 72.00; kerosene, heavy, 14.50; lubricating, 9.55; benzine and light oil, 3.25; sulphur, .70.

The effective heat units of the various oils is also appended: Texas, 10,580.99; Borneo, 10,430; Baku, 10,800; Baku residuals, 10,700, and the specific gravities of the same oils is: Texas, .91; Borneo, .963; heavy Baku crude, .938, and the Baku residuals, .908.

In view of the fuel question, these particulars will no doubt be of topical interest, and show the comparative values of the different oils as fuel. So far as this country is concerned, however, the Texas oil has still to produce practical qualifications to its claims, and we, in common with all interested in the future of liquid fuel, shall await further developments with great interest.—London Petroleum Review.

Los Angeles Stocks.

Recent quotations on the Los Angeles Stock Exchange give a more encouraging look to the market for oil securities. Material advances have been recorded in several stocks, notably Reed Crude, Pacific Slope and Westlake, three of the most active traders on the list. Reed Crude has made the strongest advance of any. The closing price a week ago was 42¼c bid, asked 88c. It is probable that a raise of one or two points in the bid would have brought out any quantity of stock at that time. Since then, however, the market has been stronger, several thousand shares crossing the board at advanced figures, the stock closing last Saturday at 48½c bid with 50¼c asked. Westlake has gone up from 15c to 16½c, finishing strong at the latter figure. Another stock which has taken a slight upward turn is Pacific Slope, which now brings out a bid of 1⅝c. A few thousand shares of Whittier Consolidated were sold at 4⅛c, a slightly better figure than former quotations, although a ridiculously low price for such securities. Holders of Fullerton Consolidated are offered 41 and 42 cents, but none is to be had at that price.

On the whole the market is a shade stronger, and from the present indications the tendency is still further upward. The most hopeful element of the situation is the progress that has thus far been made among local petroleum producers, coupled with the fact that the demand for fuel oil will be considerably in excess of the supply during the next three or four months.

Mining, bank and other stocks are finding their way to the Exchange in larger volume than heretofore. The securities of several local banks have already been traded in to a considerable extent, with the result that prices have advanced. W. G. YOUNG.

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THE PACIFIC COAST.

Its Growing Importance, and Opportunities for Investments Presented.

"Bonds and Mortgages," a Chicago financial paper, in its last issue devoted considerable space to the Pacific Coast. In speaking of our growing importance it commented editorially as follows:

Capital is ever on the alert for new fields for fruitful and substantial investment. This is particularly so at the present time. From a protracted period of inactivity following the panic of 1893 it is now emerging from its hiding, and reinforced by large accretions of newly developed wealth, eagerly seeks employment. It is but natural that it turns westward. The east absorbs enormously of this treasure-store, yet the volume constantly increases. It becomes a serious question how best to handle it. The west is a long distance away, but the irresistable tide sweeps in that direction. The "land of the setting sun" that scarcely more than a generation ago was a six month's journey from civilization is now but the starting point to the new possessions and the port for the soon to be enormous exports to the Orient.

The Pacific Coast section that embraces some of the most fertile lands in the United States is but touched. A section of country that is capable of supporting as dense a population as any of our vast domain, that is pregnant with all the virgin elements of a great empire, must necessarily be the theatre of colossal developmental activity during the next decade. The geographical position which has been a drawback heretofore now insures it. A prominent writer and keen observer has said the Pacific ocean will one day carry the bulk of the commerce of the world. Imagine one-half the activity on our western shore that is of daily occurrence on the eastern and the development incidental thereto and something of the change in present conditions can be appreciated.

Having a constant development in process, spurred to greater activity by reason of Oriental possibilities that can scarcely be approximated, the Pacific coast sustains a very enviable and commanding position.

Thus considered can there be a more inviting field for legitimate investment of eastern capital? The period of insane speculation is past. The lessons taught in the severe school of experience have left a lasting impress, especially noticeable in the dread of assumption of mortgage obligation. So far as practicable transactions are conducted on a cash basis. This condition superinduces a most substantial and desirable class of business. Large margins in securities insure the return to the investor his principal and interest. Demands for money are not great but wholesome, and interest rates are obtainable such as will not impoverish the careful borrower yet give reasonable return to the lender.

With renewed activity in railroad buildings, in lumbering, in mining and above all in the development of farms from nature's forest, this section can offer investments backed by an upward sliding scale for future values not to be found where the forces above pointed out are inoperative. Thus the "far west" can confidently expect assistance from the east in its great onward movement. It already has its progressive people, its substantial cities, its large and daily increasing business, its transcontinental railways and trans-Pacific steamship lines, its vast agricultural area from which is shipped from one single port more wheat than from any other on the globe. Hence its future is positively assured, the magnitude of which only is in doubt.

What is needed is more people, those of thrift, energy and conservatism, and sufficient money at moderate rates to aid the legitimate developmental enterprises planned and planning to bring out the yet latent forces of the soil. The Centennial Exposition to be held in Portland, Oregon, in 1905 will be a marvel in way of exhibition of the coast resources to those unacquainted therewith. Once this section is properly understood and appreciated and the work of development will receive the needed stimulus. Nature has done her full duty in the premises—unexcelled soil, a matchless climate and peerless location.

With due consideration of this section, an appreciation of the fact that years will be required for its full development, can the investor find a more promising field for substantial investment? A thorough investigation will convince the most skeptical.

SWEARS HE FOUND OIL.

Existence of Oil In Colusa Testified to in Court.

John F. Abel leased to R. W. Gorrell a tract of land for oil purposes and by his attorney, J. T. Hamilton, has brought suit to set aside the lease for non compliance with its terms. In his answer Mr. Gorrell sets up the fact that he bored one well in the district in which the Abel land is situated to a depth of about eight hundred feet; that he lost his augur, but that he continued on in good faith prospecting for oil in said district. The first well, he says, was abandoned on October 18th last, and the Colusa Sun quotes the language of the answer:

"That immediately thereafter defendant began to drill another test well on the same anticlinal fold hereinbefore mentioned, and about twenty feet from said abandoned well, and that he diligently and continuously prosecuted the work on said second mentioned well, but that by reason of the geological and mineralogical character of the earth's strata, as hereinbefore set forth, the drilling of said second mentioned well was necessarily prosecuted under great difficulties, and required unusual care and circumspection. That notwithstanding said difficulties, said last mentioned well was drilled to a depth of 800 feet, and was completed on or about the 24th day of March, 1901; and that by means therof, a belt or mineral deposit of oil and petroleum, and also a deposit of natural gas was discovered and demonstrated to exist in said district aforesaid, of which plaintiff's said lands are a part; and that said well is, as plaintiff is informed and believes, the first and only well in said county of Colusa, which has penetrated into an oil-bearing stratum, or by means of which, oil, petroleum and natural gas have been demonstrated to exist in, upon and under the lands in said county, and especially in said district aforesaid."

AT COALINGA.

The Standard Oil Company may Build a Pipe-Line.

This week a thorough test will be made by the Standard Oil company of oil from the wells of the Caribou and Independence Oil companies, two of the strongest companies in the Coalinga field. Both companies have producing wells and the oil is of an exceptionally fine quality, having a gravity of about 24 degrees. It is thought that a test of this oil will prove its usefulness not only as a fuel oil, but for gas-making and even for illuminating purposes. If the result of the test proves at all satisfactory, the Standard Oil company will immediately construct a pipe-line into the field, erect storage tanks, etc., and in fact enter the Coalinga field as an active competitor of the Union Oil company, that now has a practical monopoly of the oil business of this portion of the California oil field.

Should the Standard Oil company make the expected improvements, at least a dozen new wells will be started immediately in the Coalinga field.

Colusa Oil.

Mr. H. A. King of the Lubricating Oil Department of Whittier, Fuller & Co., has the following to say of a sample of oil from an experimental well about two miles northwest of the Colusa Consolidated Oil company in Colusa County:

"The color is a rich amber, gravity 13°, viscosity 63" at a temperature of 100° Fahrenheit, 225° flash, 260° fire test, zero to 5° cold test. I consider this the best crude oil for lubricating purposes that has ever been produced west of Mecca, Ohio, there would be a very small percentage of illuminating distillate from this crude, but the gas distillates are marketable for gas engines; but the greatest results to be obtained would be in the lubricating line, and as there is undoubtedly a large deposit of crude in Colusa County, without a doubt you have got a good proposition before you, and your location for cheap transportation to market is greatly in its favor, as you would be able by piping to to tidewater and boat, lay your production on the market for 10 cents per barrel against the rail transportation of 34 cents from the southern producers."

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Point No. 1 Large acreage, 5000 acres makes a valuable asset for a company to build on in strengthening the safety of the funds intrusted by the investor.

Point No. 2 Five sub-companies are now forming to operate on these lands. Stockholders get the benefits from their operations as they each one pay a portion of their profits to the London Oil company.

Point No. 3 A rig has been ordered by one sub-company, the London-Calistoga, and will be at work drilling this month.

Point No. 4 Over fifty companies are now operating in this Fresno-San Benito district. Experts all agree that much may be expected from this district.

Point No. 5 A pipe-line charter has already been secured to Firebaugh on the San Joaquin river. River boats can take the oil from here, thus entirely eliminating thepossibility of a stagnation of the progress of the district on account of the lack of transportation facilities or thedetriment of exorbitant freight rates. A big pointer.

Point No. 6 Our officers are men of local and national reputation. Mr. C. H. Phillips, president; Hon. J. M. Gleaves, vice-president; Mr. O. A. Lane, secretary and general manager; Hon. James G. Maguire and Mr. C. H. Dunsmoor, directors.

The non-assessable treasury stock of this company is now selling for 50 cents per share. Call or write to the office of the company for prospectus or further information.

LONDON OIL COMPANY Rooms 6 and 7, 8th floor Mills Building, San Francisco, Cal.

PACIFIC OIL REPORTER

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Endorsed By the California Petroleum Miners' Association.

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FRIDAY, MAY 24, 1901.

South of Kern River

The developments being made south of the Kern river continue to strengthen the belief that this territory will soon equal if not surpass in richness the proven district known as the Kern river district.

Thus far development work has proved satisfactory. There are nearly a dozen wells of fifty barrels capacity and over. The output would be larger had the wells been drilled deeper as it has been now established that deeper drilling is necessary south of the river than north. But the oil is lighter and consequently more valuable, and when mixed with the heavier oil of the Kern river district will make the latter more valuable. Land in the new section is rapidly increasing in value and will soon command the prices that prevail a mile or two north. It looks now as if investments made in this new district would prove exceedingly profitable.

Characteristic Mendacity.

Recently the Post, which is generally regarded as the mouthpiece of the Southern Pacific company, published a criticism on the PACIFIC OIL REPORTER, which is characteristic of our railroad contemporary, and simply shows its usual powers of misrepresentation and mendacity. The article as published in the PACIFIC OIL REPORTER started as follows:

WHAT'S THE USE?

A group of oil men were discussing conditions one evening last week and the above question was propounded by one of the most prominent operators of the southwest field. "What is the use of drilling in defined territory where the results are anything but profitable at present prices and what is the use of drilling at all well when you cannot play even at the game? What is the use of making an effort to develop new territory when there is no money to be made in that already developed?"

The article then went on to show that the above criticism did not apply to the oil industry of America, including the California oil fields. It showed quite conclusively that our oil fields need not fear competition either from the Texas fields or the Russian fields, and that in the East the demand for illuminating oil would steadily continue and that the prices for the producers should soon advance.

In order to show how unreliable the Post is and what mendacious means it will use in its endeavors to injure a contemporary who is steadily encroaching on its business we publish a portion of the criticism in the Post. The article is merely an illustration of the means employed by the agent of the railroad company to further its own interests.

The OIL REPORTER, which is presumably devoted to the interests of oil producers, indulges in a dolorous commentary on the probabilities of failure and loss if those who are engaged in this industry continue the work of development, in the following lamentation:

"What is the use of drilling in defined territory where the results are anything but profitable at present prices, and what is the use of drilling at all when you cannot play even at the game? What is the use of making an effort to develop new territory when there is no money to be made in that already developed?"

The writer of this paragraph might have continued by saying: "What is the use of trying to do anything if the effort requires courage, perseverance and the use of common sense and good judgment?"

The Post refuses to see that the PACIFIC OIL REPORTER refuted the charge against the oil industry, and wilfully misrepresented the real sentiments of this paper.

Every one who reads the Post laughs at the oil information (?) it contains, and knows that no original oil news ever appeared in its columns. Even its clippings are arranged by one who apparently does not know the difference between an oil derrick and a water tank, and the number of mis-statements it makes is surprising. The above lie about this paper is a sample.

Our Eastern Circulation.

Almost every Eastern holder of California oil stock is a subscriber to the PACIFIC OIL REPORTER. As a result of the systematic efforts to sell California oil stock in the Eastern states, and of the expensive advertising that has been done in the New England, Middle and Middle Western states, a very large number of people have become holders of California oil stocks. At least seventy-five per cent of these are today subscribers of this paper, and through it keep informed as to what is going on in the different oil fields of the state. These Eastern subscribers show the OIL REPORTER to their friends, who in turn become interested in the oil fields of this state, and write for further information of the companies advertising in this paper.

Probably no weekly paper was ever started in California which has built up a larger circulation in two years than the PACIFIC OIL REPORTER. Our books are always open to any intending advertiser, and we can prove the truth of what we claim.

Further than this, we can furnish abundant testimonials of the good results obtained from advertising in this paper. No one has ever given this paper a thorough test but has been perfectly satisfied with it.

Getting Up Steam with Oil.

There has been considerable criticism from steam users on account of the reported bad effect of fuel oil on boilers. The real fact is that oil burners properly installed and handled do not injure boilers so much as coal. The use of oil for steam purposes is comparatively new in the northern half of the state, and firemen who are not familiar with it are inclined to get up steam too rapidly, causing unequal heating of the plates and consequent leakages. The actual time required for getting up steam in a 100 H. P. boiler is about two hours, and an attempt to turn on a flame full head on a cold boiler is likely to have disastrous results. Another important point is to have equal distribution of the flame, so that it will strike the different parts of the boiler surface equally and not impinge too much on some particular point, so as to cause the oxidation or "burning away" of the plate. Experience has shown that this can be done effectively by proper installation, either with or without the use of a bridge.

The Strike and Oil.

The strike of the labor unions against the employers bids fair to assume increasing proportions. It will also affect the consumption of oil. The Union and Risdon Iron Works were among the largest consumers of oil on the coast, using between them many thousands of barrels a week. A number of other manufacturers used oil to a less degree individually, but collectively the amount required was large. As long as the strike continues these concerns will use no oil.

All this means less demand for oil and consequently no immediate increase of the price of oil to the producer.

The strike would undoubtedly be settled at once so far as the demand of the strikers for a reduction of the hours of labor from ten to nine hours. With few exceptions a man will accomplish as much in any line of work in nine hours as he will in ten. The employers would have agreed to this demand.

The great difficulty in the settlement of the strike is the demand of the labor organizations that none but a union man shall be employed in the shops. This demand will probably not be acceded to by any of the large manufacturers, and in the end the strike is liable to become a lock-out so far as the union men are concerned.

The only men who are being benefitted by the strike are the walking delegates and the salaried officers of the various unions.

The employers are not the sufferers as their main expenses have stopped.

The main sufferers will be the workingmen, most of whom have been forced into the strike. When the larder begins to get short, and there is no money to pay house rent, when the worried look creeps into the eyes of the patient wife, when the children ask in vain for more meat or another pair of shoes, then the workingman will begin to ask if his union was right in insisting on all its demands.

Meanwhile the oil men will grumble about the strike, and wonder when the consumption of oil will increase, and the price go up.

The Bulletin last Saturday published an interesting and reliable oil edition, which was a credit to itself and the oil industry as well.

In a decision rendered by Commissioner Hermann of the general land office, still more definite ruling is made regarding mineral lands than has appeared in the series of decision brought out through the contentions over scripping. Commissioner Hermann, in his latest ruling, holds that any occupied land is not subject to location under lieu land scrip, and that in such cases the question whether the land involved is of mineral or non-mineral character is not material. This ruling becomes of great importance when taken with the recent decision by the secretary of the interior, who held that occupation of land, as the term is used in land laws, applied to actual occupation, the scrippers having maintained, in effect, that the word only applies to occupation provided for by law.

There is another feature of this question which may be of considerable importance in Southern California, and which will probably be the basis of litigation. During its last session, congress passed a law which made possible filings on unoccupied saline lands, and the question arose whether occupants of the land in violation of law would be held to be occupants in the sense of preventing filings by other persons. This case is not entirely analogous to that of mineral claimants who won this decision, for they were presumed to be operating under laws which permitted them to obtain the lands in controversy under certain conditions, while in the matter of the saline lands they were occupied in the face of laws which forbade their acquisition. Yet solving the question whether occupation against law will constitute occupation to bar filings by others is one which will lead to further elucidation of the same problem with which the land office has had to deal in the matter of oil claims.

Oiling the Streets.

According to a recent issue of the Bakersfield Californian, at a special meeting of the city board of trustees, it was decided to oil at least ten miles of the principal streets of this city. This will be done partially as an experiment, but more generally in the interests of the good road movement. It is thought oiling the streets will be more beneficial and less expensive to the city than sprinkling.

Mr. DeCamp, who has a patent on street oiling machines, was present. After considerable discussion concerning the price to be agreed upon, Mr. DeCamp stated that he would oil the streets at $1.10 a barrel. The committee offered $1 a barrel and Mr. De Camp accepted. The city attorney was then ordered to draw up a contract with Mr. DeCamp on the lines of ten miles to be sprinkled at the accepted rate. According to Mr. DeCamp it will take between 150 and 200 barrels of oil to sprinkle one mile of street for a width of twelve feet. The oil will be used at the boiling point and work has been commenced on the plant in which the oil is to be heated. There are two street oiling machines in this city at present and two more will be brought from Los Angeles.

The work will be done under the personal supervision of the superintendent of streets.

While at least ten miles of street will be oiled, it may be decided to oil a still greater distance. Some of the streets will be oiled the whole width, others for a distance of eighteen feet and those in the outlaying districts will be oiled merely the width of the wagon, six feet. The trustees will decide as to what streets will be oiled.

Supervisor Jastro has closed a contract for the county with Mr. DeCamp to oil different county roads in his district a distance of 20 miles. This work is also to be done at the rate of $1 a barrel.

Santa Paula Gravity Oil Co

The Santa Paula Gravity Oil company is making steady strides towards being one of the leading oil companies of the Pacific Coast. They have had the foresight to locate their holdings in a territory which is rapidly proving itself to be the foremost oil county in the state, viz., Ventura County. It does not boast of any gushers which have made other districts famous but stands supreme in the lists of steady producers, there being a well in this county which holds the record of producing the largest amount of oil of any single well in the United States. In general this county is rapidly proving itself to contain a district which insures a lasting industry. In proof of this might be mentioned the fact that in this locality the Standard Oil company have concentrated most of their efforts in the acquisition of western oil lands.

Another notable fact in connection with the oil in this territory is its high quality. By actual test the oil obtained from this company's partly completed well shows a strength of .38 gravity. This insures them a material suitable for refining purposes, and a price which ranges from $1.25 to $1.50 per barrel at the well. And again, when it is understood that nearly 500 miles of pipe line convey all the oil of this locality to tidewater and from thence by tank steamers, "Santa Paula" and "Rescue," to the refineries in San Francisco, it will be readily understood that the producer gets all the advantage of the difference between railroad and water freight rates.

The personnel of the directors of this company is very strong, consisting of some of the leading business men of this city. They have placed the stock of the company in the hands of the enterprising firm of Ritter & Fuller, who are vigorously prosecuting the development work and hope soon to place the organization on the list of dividend paying companies.

Work Progressing.

The California Crude Oil company, which has an office at room 16, 8th floor of the Mills Building, is now progressing rapidly in drilling its first well in the Kern River district, where they have secured a twenty-years' lease of some valuable land in 19, 28-28. A slight delay was experienced in drilling the first well on account of the non-arrival of casing which had been ordered from the East. After this work will be continued uninterruptedly.

The company has also 640 acres in the Fresno-San Benito district, in township 16, range 12, and also has 80 acres of land in Monterey county, in 15, 21-11.

This company is one of the strongest in the field, its president being Led F. Winchell, and the secretary and general manager being T. A. Kirkpatrick. A leading director and the counselor of the company is Hon. James G. McGuire, ex-United States Congressman, who is taking an active interest in the affairs of the company.

Land For Sale.

Attention is called to the advertisement of "Landowner' published in another column offering land south of Kern River in what is called the South of the River district at $110 an acre. There are now a dozen producing wells in the district, seventeen rigs are working, and many more will start up in a week or two. The land is worth more than is asked for it for speculative purposes, and the wise ones say in two months it will be worth $1000 an acre at least. It looks like a good offer.

Occidental Oil Company.

The first annual meeting of the Occidental Oil company was held last Tuesday at San Jose.

In the neighborhood of two hundred stockholders were in attendance, and the general expressions of satisfaction as to the progressive methods of the officers and directors were most gratifying.

The present directorate was re-elected for the coming year without a dissenting voice, and a vote of thanks tendered them for their energetic and conservative conduct of the company's affairs since incorporation. An exhaustive report was made by Dr. Hailstone on the progress made during the eight months of development. In that time the company has completed two wells which rank among the first producers in the district, beside having organized twenty-two sub-companies of which eight are now drilling and as many more ready to commence operations at once. Mr. Stull of the S. & S. Company and Mr. Youle expressed their satisfaction with the outlook in the field after an extensive tour from which they have recently returned.

An anniversary prospectus has been issued which is one of the handsomest and most complete publications which has yet appeared on the coast. It is replete with handsome half tones from photographs taken in the field and gives a full account of the progress in development work and the prospects of the oil industry in the state.

A 35,000-barrel tank is being put up by the Union Oil company at Oleum, near Rodeo, across the bay.

Sunset Railroad.

Progress on the new Sunset railroad seems to justify the prediction that the road will be completed within the next few months. The camp established on the Stoner ranch has the grade north toward Gosford also completed, and are now making arrangements to move camp to a point two miles and a half south from the present location.

At the other camp, four miles south, very good progress is being made, and a long strip of the grade has already been rounded up. This section is said to be more difficult than any to be found along the balance of the way, and for that reason has required more time.

On the "Y" at Gosford the grade is almost ready for the rails, and soon a gang of tracklayers will be sent down.

Stockholders' Meeting.

At a meeting of the stockholders of the Clear Light Oil company there were elected a board of directors and the following officers: President, O. G. Day; vice-president, W. T. Vahlberg; secretary, H. W. Lendhart. The company will operate on section 22, 16-11, San Benito county.

OIL

On All Sides of the Arroyo Seco Oil and Development Company's Lands

OIL

Within the last thirty days five companies have struck oil whose property adjoins ours.

Our first well drilling; down 200 feet in two weeks.

Incorporated under the laws of Arizona, which makes the stock of the company absolutely non-assessable.

Capital stock $500,000. 500,000 shares. Par value, $1.00 each. 720 acres of land are located in the famous Arroyo Seco and Veratina Districts of Monterey County, California. Active development work will be started at once. Oil has been struck on all sides of our lands. For a short time stock will be sold at **15c** per share.

Now is the time to invest. Don't wait until the stock gets beyond your reach. Live agents wanted in every town in the United States.

REFERENCES:

First National Bank, S. F. Crocker Woolworth National Bank, S. F. California Petroleum Miners' Association, S. F. "Bonds and Mortgages," Chicago, Ill.

For further information, address

The Arroyo Seco Oil and Development Company was organized to develop lands for oil, and was incorporated on December 27, 1900, under the laws of Arizona. Under those laws the stock is non-assessable, and the private property of its stockholders is exempt from corporate debt. The lands of the company were selected in small tracts in different localities in order to obtain the benefit of the increased value accruing from development of other lands near us by other companies. The property of the company consists of 720 acres situated in Monterey county, California, south and west of the Salinas river, about eight miles from Soledad, in the Arroyo Seco District; in the Veratina and Hames Valley Districts, about seven miles from Bradley; and in the San Ardo District, about five miles from San Ardo. The districts named are school districts, and the towns mentioned are on the coast line of the Southern Pacific Railroad. The land is owned by the company free and clear of all incumbrance. A map of our properties will be cheerfully forwarded on application. On December 31, 1900, the board of directors authorized the sale of 50,000 shares of stock. On January 15, 1901, and before the company's prospectus was issued, most of the stock was already sold. Another 50,000 shares will be offered at a price to be fixed by the board. From these sales it is calculated ample funds will be obtained to complete the work proposed, as herein stated.

H. R. EARLE, Secretary

480-481 PARROTT BUILDING, SAN FRANCISCO.

IN SANTA CLARA VALLEY.

Red Star Laundry, San Jose, Cal., where Kern River oil was first used for fuel in the Santa Clara Valley.

Comparison Between the Relative Cost of Using Wood and Oil.

It has been six months since the wood fires were drawn at the Red Star laundry, San Jose, and crude oil used in their stead.

Mr. James B. Leaman, the enterprising manager, early appreciated the efficiency with which oil could be employed in the operation of a laundry plant, and when a constant supply of oil was insured, he lost no time in making the installation.

Redwood was formerly used in this plant, and the cost laid down was $4.60 per cord. It requires about 2.4 barrels of oil to equal the work of one cord of first-class dry redwood, and three barrels of oil to a cord of No. 1 pine wood. Should the wood be "green," or not thoroughly seasoned, its calorific power deteriorates rapidly.

The above represents what oil is doing today in ordinary practice as compared with wood, and it must be said, in justice to the first-named fuel, that the setting as is found under a boiler that has been using wood for fuel is far from being of such a design as would give the best results in the use of oil.

Oil has been an opportune and money-saving friend to the power plants of the Santa Clara Valley, as high prices had been asked for wood, and its increased use had led to the delivery of an improperly seasoned product. In winter time the roads in the Santa Cruz mountains, from whence the supply of wood was derived, became impassable, and a "corner" in the city wood market occurred, with the resultant rise in price. Wood was so bulky that immense storage room was required by the power plant, and then only an inadequate supply could be carried. Where storage room was rented outside of the power plant proper, the cost of rehandling was so great that consumers preferred to take their chances in the open market.

The saving over wood is from 35 to 60 per cent calculating redwood at $4.50 to $4.85 per cord (128 cubic feet), delivered at plant, and pine wood at $6.50 to $8.00 per cord, delivered at plant.

Oil will do more to preserve the forests of California than any other agency.

The wood that was used as fuel was secured by felling young trees upon timber claims over which the hand of the sawyer had already passed. Districts where once flourished the giant Sequoias, today nothing but wild lilac remains. The streams which were born in the mountain highlands and nursed by the shade of giant redwoods until with gathered strength they stepped out upon the lowlands, are no more. We trust that the new order of things will permit the young sapling to reach the age and size of its forebears, and the destruction of the redwood forests cease and their up-building begin.

Progressiveness in Management.

Location of lands and management are two essential points to be considered before investing in oil stock. Both are factors in measuring profits. Progressiveness in management is necessary for quick returns and development on a large scale is also essential in the payment of large dividends to stockholders. The management of the Standard Consolidated Oil & Land company have inaugurated a thorough and extensive system for the development of their property in the Kern River and Monterey districts, and in accordance with the large amount of developing work being planned and executed, this company should in the near future join the list of dividend paying oil properties.

Los Angeles Producers.

W. H. Allen, Jr., has been elected treasurer, and A. W. Morgan secretary of the Los Angeles Oil Producers. This election being with the understanding that there will be another election as soon as all producers have had an opportunity to decide whether they wish to enter the organization.

The membership of the association at present includes 365 wells in the Los Angeles field, and it is proposed that the association will proceed to handle the oil of the members whether others join or not, though there is every reason to believe that at least 600 of the 800 wells from which oil is marketed will be brought into the organization at an early date.

Reliable and Strictly Legitimate Oil Stock

20c Your Money Guaranteed 20c

STANDARD ROCK OIL CO.

Do you wish to make money? Be careful and invest only in a sound and safe company! This stock is non-assessable! **Oil guaranteed!**

We are Successful Oil Men; follow us!

Directors are honest and capable business men.

Land lies one-half a mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it.

All our neighbors have large producers!

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders.

Large dividends certain inside of 8 months.

Extra hours—Saturdays, 7 to 8 p. m.; Sundays, 11:30 to 1 p. m.

Send for prospectus.

Delays cost money.

STANDARD ROCK OIL COMPANY

475-476 Parrott Building

855 Market.

TELEPHONE, SOUTH 488

A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

LOW CAPITALIZATION

Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

$2 Per Share

A GUARANTEED INVESTMENT

With the first well in oil, railroad running through the property, under the management of well-known, conservative business men, 80 acres of proven oil land in Sections 8 and 10, 29-28, Kern River District, recommends the investment to conservative investors. . . . . .

Officers and Directors—George L. Dillman, M. A. De Laveaga, William Palmtag, George D. Clark, Thomas Flint Jr. W. C. Graves, Attorney. . . . . .

Office 402 Kearny Street

W. C. GRAVES, Secretary.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

PACIFIC COAST OIL NEWS.

Recent Developments in Oil in Various Parts of the State.

COLUSA.

National Oil and Investment company commenced drilling last Tuesday on the Sparon place, four miles from Sites.

CONTRA COSTA.

The drill of the National Paraffine company has thus far gone only to a depth of about 500 feet, but the oil sand has been found. Although oil could be pumped at the present level, the management has decided to sink the well deeper and there is no doubt that it will result advantageously, because the richness of the oil sand increases as the depth of the well is increased. The well is located near Lafayette.

FRESNO.

Twenty cars of oil went out Thursday.

Double Eagle Oil company are erecting a derrick and houses on section 33, 19-15.

Several new oil companies are at work getting in material.

Fishing jobs are being carried on at Coalinga by the New York, Minnesota, Hanford, Star, Golden State and Coalinga oil companies.

In the absence of W. W. Orcutt, W. S. McLarlan is attending to the shipping of oil for the Union and Homestead companies.

The New York company recovered the tools they were fishing for last week only to lose them again, so says Carl Brown, the New York superintendent.

The Mercantile Crude Oil company is having timber hauled for the purpose of putting up a Standard rig and will put down a water well on their property.

Superintendent Thompson, of the Baby Kings Oil company, spent part of the day last Monday in Coalinga. It is reported that he will resume work this week for his company.

The Valley Water company started filling tanks for oil rigs last Wednesday. This company will furnish water to the five rigs soon to be started by an English syndicate.

J. E. Smalley of Los Angeles, who is connected with the Lacy Manufacturing company, came up last Wednesday to stop a leak in the large tank that company put up for Chanslor & Canfield, at Ora station.

T. C. Baker, who is putting down the well on the southeast quarter of 2, 14-20, for the Westlake-Rommel company, is going ahead with good prospects. He has considerable water to contend with, but thinks he can get the best of it.

The Herron Supply company evidently looks forward to a good business in oil well supplies this summer, as they are continually shipping in immense lots of heavy machinery, boilers, tanks, casing, etc.

Herman H. Brix, superintendent of the Coast Range Water company's plant of this place, went to Fresno last Sunday, where he spent several days in the interest of that company, which is furnishing water to a number of oil rigs that are operating in the Confidence district.

In a letter received from H. C. B. Gill, secretary of the Fresno-San Francisco Oil company, he states that his company will soon start up work on 1, 20-14, which joins the Mercantile Crude Oil company's property in this district. The recent strikes in this locality will no doubt be the cause of immediate action on the part of other companies interested near there.

Coalinga Oil company is now using its new pipe line which carries the oil from the well to the new ten thousand barrel tank, a distance of seven miles. This company has just completed a loading rack at Ora, which will accommodate the cars, and the Southern Pacific company has put in a switch.

GLENN.

The Glenn County Oil and Coal company has been experiencing a good deal of trouble on account of too much water, which they are going to shut off by more casing. The character of the rock taken from this well is a hard, dark, rich-looking shale. The Glenn county people are also encountering a strong flow of gas from their well.

A few days ago the Great Northern Oil company experienced a cave-in, which caused a great deal of difficulty in removing the drill from the well on account of the rock that fell in from above. The driller suspended operations until the casing could be shipped up with which to case it all the way down. This well is now 1291 feet deep. The casing is being rapidly hurried to the well and boring will soon be resumed. From the amount of gas that is rushing out of this well, it is believed that oill will soon be struck. A few days ago Mr. Gray struck a match to see if the gas would burn. When he got up from the ground after the cannon-like explosion he had no further doubt.

HUMBOLDT.

A. McIntosh arrived at Petrolia a few days ago, and is now making preparations to begin pumping the oil from his well It will soon be known just what this well is going to do.

Mr. and Mrs. Burdick, H. G. Craig and H. J. Bardwell have arrived in Petrolia. The gentlemen belong to the Humboldt Petroleum Refining and Transportation company. This is the company that sunk the Union well on the Edmondston property last fall. Owing to the condition of the roads and the difficulty of obtaining casing and machinery, the well was only sunk 1000 feet last fall. The above-named gentlemen will now proceed to tap the oil sands.

O. H. Packer, a United States Deputy Mineral Surveyor and a member of the Humboldt Paraffine and Development company, arrived in Petrolia a few days ago, and proceeded immediately to the land leased by his company, where he has commenced breaking ground for the erection of a new rig. The company consists of men who are interested in the Union Lumber company at Fort Bragg, and it is their intention to sink a well on their land in this vicinity as soon as possible.

KERN.

Encinal is spudding on 8, 29-28.

Linda Vista is in the sand on 29, 28-28.

Moneta is in first sand at 612 feet on 30, 28-28.

Derigo Oil company is drilling on 2, 11-24, Sunset.

Sea Breeze has begun drilling on 6, 30-22, McKittrick.

Sovereign has perforated No. 3 and finished drilling No. 4.

Tower Oil company has brought in a good well on 9, 29-28.

Ever Bitten by a Wildcat?

The oil sharks promoting wildcat companies are flooding the East with glaring newspaper advertisements promising golden dividends and sudden wealth. Monthly dividends of 2 per cent are freely assured, or in lieu of these the privilege of exchange for other worthless stock, later on. Thousands have been swindled by these unprincipled jackals, whose sole object is to separate fools from their money. Only proven wells whose product is sold make dividends legally possible. Conservative investors in California oil properties are reaping fortunes, while these advertising highwaymen are deliberately stealing fortunes from their victims. Shall these pirates get any of your hard earned cash? Millions are being made and millions more can be made in California oil, if you will but use your brains as well as your money!

Stock Secured by Gold Bonds

Every buyer of our stock will find his shares accompanied by a security bond, bearing 3 per cent interest, payable semi-annually. Its face value is the face value of the shares purchased. This bond absolutely guarantees the purchasers' stock against loss. The bonds are protected by first mortgages on city real estate worth twice the value of the bond. These mortgages are deposited with the California Safe Deposit & Trust Company, as trustee—the strongest and most conservative banking institution on the Pac fic Coast. This company endorses each bond, certifying that it holds ample and sufficient first mortgages to pay the bond in full. The investor is paid 3 per cent interest on the bond. Read what these bondsmen say:

CALIFORNIA HOME BUILDING LOAN COMPANY.
Rooms 1406 and 1407, Claus Spreckels Building.
SAN FRANCISCO, April 16, 1901.

To the Paxton Gold Bond Oil Company, San Francisco, Cal. Gentlemen: Every bond issued by the California Home Building Loan company is protected by first mortgages on real estate worth not less than double the amount of the bonds issued. Said mortgages are assigned to, and deposited with the California Safe Deposit & Trust Company, as trustee, and held by them to secure the payment of said bonds.

C. O. PERRY, President.

CALIFORNIA SAFE DEPOSIT & TRUST COMPANY.
Capital fully paid up $1,000,000.
SAN FRANCISCO, April 10, 1901.

The Paxton Gold Bond Oil Company, San Francisco, Cal. Gentlemen:

Replying to your communication of 9th inst., we desire to state that every bond issued by the California Home Building Loan Company for the purpose of guaranteeing the par value of the stock of the Paxton Gold Bond Oil Company is protected by first mortgages held in trust by the California Safe Deposit and Trust company to insure the payment of said bonds.

Respectfully yours,
J. DALZELL BROWN,
Vice-President and Manager.

The Paxton Gold Bond Oil Company's stockholders share in all dividends, also draw 3 per cent interest on their invested cash.

Its location (one of them) comprises 40 acres of the famous Ferndale Tract, on the east half of section 16, T. 21 W., R. 4 N., S. B. base and meridian, in the heart of the Ventura district of the California fields. Our land will easily support 40 wells. Some of our oil neighbors are the huge, rich corporations such as the Capital Crude, Westlake Rummel, Pacific Coast, Whidden & Dobble, Union Oil company, the world famous Bard wells, etc. Over 200 wells surround us. The Ventura field is the most highly developed in the world; 560 miles of pipe lines to the ocean, railways and refineries; 195,000 barrels tankage; high gravity oil, selling as high as $2.70 per barrel at the wells; producing wells 20 years old. It has made several millionaires and will make several more. One 100-barrel well means 17 per cent interest on our entire capitalization. We have contracted to put down four wells within one year.

The Paxton Gold Bond Oil Company is organized under the laws of Arizona; capital stock $500,000, divided into 500,000 shares at $1 each, fully paid and legally non-assessable, It has placed 100,000 shares of its treasury stock upon the market at $1.00 per share, to be sold in blocks of not less than fifty, accompanied by a SECURITY BOND BEARING 3 PER CENT INTEREST.

How to Invest

If you cannot call on us, deposit with your banker as many dollars as you want shares. Have him notify us by wire at our expense. The number of shares you want and the security bond which protects you against loss will be sent to him for your acceptance or rejection. You take no chance. You cannot lose. The worst you can do if you invest, is to make 3 per cent interest and your cash returned—the best, a fortune. Or, remittances may be made direct to the main or branch offices. You see what you are buying. You get what you pay for. You cannot lose. Our security bond is based on the same safe plan as insurance companies.

References as to the value and validity of bond: Pacific Coast Underwriting company; California Home Building Loan company; California Safe Deposit and Trust company, all of San Francisco, Cal.; also special reports of Dun and Bradstreet; banks on application.

Send for Prospectus

PAXTON GOLD BOND OIL COMPANY

318 Kearny Street, San Francisco, Cal.

Branch Office, Paxton, Ill. Chicago Office, 167 Dearborn Street, Room 506.

Grey Eagle has declared dividend No. 6, 47 cents; payable now.

Vernon has sent No. 2 down to 1000 feet, and has much improved it.

Karl Brown Oil company has 700 feet of hole with 11⅝ casing on 23, 28-2.

On 29, 28-28 the Missouri has completed No. 2 and is rigging up for No. 3.

The Empire, lessees of McKittrick Extension on 8, 30-22, has struck a strong flow of gas at 400 feet.

New Puritan, a company organized in San Jose, and, and operating in north Mc Kittrick, on 3, 30 21, has has reached a depth of 330 feet.

The Kern Centre company is down 200 feet on 12, 28-27, with a fifteen-inch hole. The company will go 1500 feet if necessary.

Standard Consolidated of San Francisco has leased the N½ of the W½ of the SE¼ of the SW¼ of 19, 28 28, from Nineteen for 40 per cent royalty, and will at once put down three wells.

Mutual Pipe Line company has filed articles of incorporation, with capitalization of $100,000, the directors being B. F. Brooks, Geo. W. Scott, Walter A. Sloan, W. R. Morrison and H. J. Doulton.

The Rival Oil company is now getting ready to operate in the Midway district. This company is also operating in Los Angeles where they have just completed a 180 barrel well and have started drilling on well No. 2.

Mr. John G. Whitson, the president and manager of the Union Oil and Gas company, reports the following oil news from the south of the River, which he has just visited:

The Wizard is down nearly 300 feet on 26, 29-28.

The Kern King Oil company is down 500 feet on 15, 29-28.

The Chicago Extension company is down 500 feet on 24, 29-28.

The Spring Oil company, just south of the river, has a 60-barrel well.

Ludwig & Hickey have resumed work and expect to drill over 1500 feet.

The Midnight Oil company is down 600 feet on 14, 29-28, and the drill comes up covered with oil.

The San Joaquin now has seven wells just south of the river which are producing an average of 50 barrels each. They would produce more if they were drilled deeper.

Mr. Whitson reports that there are now seventeen rigs working south of the river, and six more will be in operation in a few days. His own company expects to be at work in a couple of weeks. They will drill on 24, 29-28. The bunk-houses, etc., are already being built. The well will be drilled by contract. Mr. Whitson saw the well of the San Joaquin Oil company which came in on Thursday of last week. He says it is the best well of the district, and is producing 1700 barrels a day.

Mr. Whitson and Mr. McCray had a narrow escape from serious injury on their ride. The pole-strap broke, frightening the horses, which ran away. Both gentlemen were thrown from the buggy but beyond severe bruises escaped serious injury. Mr. Whitson has returned from his trip very enthusiastic upon the oil prospects south of the River. To use his own words, "I have every faith in this district and believe it will be the next district in the state to attract attention. I do not think it is possible not to secure a good producing well provided the well is drilled deep enough, proper casing is used and properly perforated."

LOS ANGELES.

Pellessier Oil company is drilling steadily.

Sterling Oil company is making progress on the Gird lease.

Hard Cash Oil company is reported down 1700 feet in a promising hole.

Salt Lake Oil company is down 800 feet north of the Pitcher & Garbutt group.

The Raymond Oil company has its well down 1690 feet with good indications.

Pico Oil company is still drilling on the site which has occupied its attention for some months.

Pitcher & Garbutt, now having three producers, have four rigs, marking its development enterprise.

Warner No. 5 is down 450 feet and the formation is standing up so well that no casing has been put in yet.

C. V. Hall has started a new well near Metcalf street, in the center of the local field. Indications are good.

The Producers' Oil company has a hole down 800 feet at its new location, but is experiencing considerable trouble from water.

The Union Consolidated Crude has commenced spudding in near the old No. 21 of the Yukon company. The drill is now in 130 feet.

About a mile southeast of the North Whittier well Bouchard and Baldwin are drilling, and all oil men look for many other rigs to go up in this section soon.

Nearer town than other companies mentioned as drilling in the southwest is the Tamarack Oil company, still on its vigorous campaign of drilling shallow wells.

The Whittier Oil and Development company will put in another string of casing, and go down by the bit which has caused a suspension of development work on its well for some weeks.

The Union Consolidated Crude Oil company will drill deep in its latest well. The well has been started near Adobe and Bernardo streets, in the local field, where deep drilling has proved successful.

George D. Geigerich has just completed his second well near Yale and Bernardo streets, in the central part of the local field, and reports that the new producer is good for 100 barrels to start with.

In the central part of the local field Doran & Brouse are spudding in for the Consolidated Crude No. 72. A first-class outfit has been put up and it is expected that good time will be made with the new hole.

Near the corner of Adobe and Bernardo street, in the local field, C. K. Book has reached the sand in McCray No. 2, and a production of at least fifty barrels has been secured. The drill was sent in 1150 feet.

Young & Johnson are making good time with a well now under way near the Yukon well, off Alvardo street, in the local field. The drill has been sent in 650 feet, and it is the intention to drill at least 1400 feet.

The North Whittier company's well is pumping about twenty barrels of oil of 25° gravity. The hole was pinched down to three and three-quarters. A large amount of undeveloped land in the neighborhood will now be opened up.

The Rival has a new well drilled on its property near Lockwood street. It is the company's second attempt in that part of the field, and has proved that after drilling 1100 feet a production of twenty-five barrels has been secured.

Well No. 11 of the Shirley company should be completed in short order. The water in the hole has been shut off at 1000 feet, and the drill is now after the oil sand. The well is near Burlington avenue and Bonnie Brae street, in the local field.

In the middle west of the local field the De Groot well is down 1500 feet in salt water. The drillers are preparing to plug the well and perforate it at the 600-foot level, where a stratum of oil sand was penetrated, which, it is hoped, will make the well a producer. In the same section the B. B. company is drilling.

Work on the Illinois well has been delayed for a number of days by a heavy string of tools dropping to the bottom through the slipping of the brake-band. The strain on the cable set the bull wheels in such rapid motion that they were torn to pieces and the rig was other wise damaged.

The Eastern Consolidated has bought leases of the Rodeo and Rommel Oil companies, and while the stock selling plans of the brokers handling Eastern Consolidated stock is laying the company open to severe criticism, it seems certain that the company is to conduct extensive operarions, for a time, at least. Carpenters are at work on the fifth derrick put in this week and lumber is on the ground for a sixth derrick. La Brea Rancho Oil company is another company which is steadily drilling in that section, and which is bringing in wells steadily.

MONTEREY.

After an unavoidable delay of thirty days the Salinas Oil company have again started up work on their properties near Paraiso Springs. The depth at starting up was 210 feet. This company expects to have six more wells in operation on their claims in the vicinity of Bradley within the next sixty days.

The Arroyo Seco Oil company have 720 acres of oil land about ten miles from Soledad, and also near Paraiso Springs on what is known as the Currier place. Machinery is now on the ground and actual development will begin by the 18th of this month.

ORANGE.

The Olinda Oil company has commenced drilling their fifth well.

The Puente Oil company will soon have another high-gravity oil well ready for the pump.

The Olinda Oil company has commenced drilling on No. 5 on the south side of the canyon.

It is reported that the Puente Crude Oil Company will at once resume drilling operations on its Fullerton lease.

The Santa Fe company is ready to commence drilling in its twenty-ninth well, just back of the Fullerton Oil company's new pumping plant.

The Olinda Oil company is building a new machine shop, and will put in an oil-burning forge similar to that in use in the Santa Fe shops.

The Columbia Oil company will put their twelfth well on the pump soon. It will make something over fifty barrels if the present flow keeps up.

Foundations have been laid for the Santa Fe's new power-house, south of the Loftus lease, and the steel framework will be up by the end of the week.

The two wells so far drilled by the Liberty company in Los Angeles are producing about fifty barrels of water daily. This company drilled one well, a dry hole, in this field and sold several thous-

Special Announcement

A great many of my clients have been making money by investing in shares of a number of oil companies, the rise in one of which paying for more than the cost of all the balance.

Such investments are growing in favor and there is not a day when I don't receive application to furnish an assortment of oil stocks for a certain amount of money.

In order to facilitate such orders I have made up a list of different assortments of oil stocks to be got for amounts set opposite and will so furnish same as below on receipt of money order or draft.

No 1 for $20.
100 shares California Rock Oil.
200 shares Three States.
100 shares Kern River O. & D.
500 shares Pittsburg Con.
100 shares Lone Star.

No. 2 for $30.
100 shares Bachelors.
250 shares Three States.
100 shares London.
150 shares California Rock Oil.
100 shares Lone Star.

No. 3 for $40.
100 shares California Fortune.
100 shares Bachelors.
100 shares Three States.
500 shares Pittsburg Con.
150 shares Kern River O. & D

No. 4 for $50.
100 shares California Mutual.
100 shares Kern River O. & D.
50 shares Grand Pacific.
100 shares Bachelors.
100 shares Three States.

No. 5 for $60.
100 shares Bachelors.
100 shares Grand Pacific.
500 shares Santa Maria.
100 shares Three States.
500 shares Pittsburg Con.

No. 6 for $75.
100 shares California Mutual.
50 shares Grand Pacific.
50 shares California Fortune.
200 shares California Rock Oil.
500 shares Santa Maria.

No. 7 for $100.
100 shares California Fortune.
200 shares Bachelors.
500 shares Santa Maria.
50 shares Grand Pacific.
500 shares Pittsburg Con.
200 shares Kern River O. & D.
250 shares Three States.
100 shares London.

Orders will be filled in rotation and will receive gratis a copy of the Ready Reference Book, containing the latest information about oil stocks.

First come first served. Orders for any other oil stocks will receive my close attention and will be furnished at lower prices than quoted by anyone else, be he a broker or the company itself.

Address all communications to

JOSEPH B. TOPLITZ,

Member Producers' Oil Exchange,

330 Pine Street, San Francisco.

and shares of stock in this neighborhood.

The Columbia Oil company has commenced drilling its second well on the land recently leased of the Union Oil company. The oil so far found in the first well has been of such quality as to greatly encourage development in this section.

Oil has been struck in considerable quantities in Santa Fe well No. 23, which has been drilling for the past sixty days on the mesa west of the general field This hole is only about 500 feet deep, but the bailer brings up almost pure oil which is of twenty-four gravity. This is the best grade of oil so far found on this company's lease. The well is located about 200 feet north of the famous Fullerton Consolidated gusher, which is still making about fifty barrels per day.

A rig has been completed for Santa Fe well No. 28; 27, which is a few rods west of the location selected for 28, will be built soon.

Santa Fe well No. 21, put on the pump after her recent fire, is putting out considerable water, but so far not much oil.

At a depth of less than 800 feet oil in considerable quantities has been found in well No. 25 of the Santa Fe company, now drilling on the mesa land west of the Fullerton Consolidated lease.

Santa Fe well No. 1 is now drilling in the sand at a depth of 1070 feet, carrying nine-inch drive pipe all the way down.

The Graham-Loftus company's well Nos. 10 and 12 will soon be ready for the pump, as will also the Santa Fe well No. 20, which has been enjoying a fishing job and general cleaning out for some weeks past.

SAN LUIS OBISPO.

The big pump to clean out the hole in the Primavera Oil company's well on the El Rollar ranch of F. T. Underhill has arrived, and will be put in place by Mr. Brietwiser, who has charge of that department.

SAN DIEGO.

The Cactus Oil company, operating in San Diego county on the Colorado desert, has its machinery and casing on the ground and will be drilling by June 1st.

SAN BENITO.

The Grant Oil company on the Topo is down nearly 1000 feet with very fine indications.

The Guaranty Oil company which owns and has leased several promising tracts of land in San Benito county, will begin operations with two or three rigs very soon.

The stockholders of the Silver Creek Land and Development are much pleased with the report on the land of the company on Silver Creek. In addition to drilling for oil the company will develop the coal prospects on its land.

Alfred McCray returned Wednesday from Vallecitos where he had been surveying a pipe line for the Vallecitos Water company. Mr. McCray estimates the company will have a supply of at least 250,000 gallons daily. This will be sufficient to run seventy or eighty derricks. This will materially assist in developing the oil resources of this famous district.

SOLANO.

Work is progressing favorably at the Armijo and Rochester wells. A string of 206 ft. of 14-inch casing has been put down in the Armijo well.

Since the last report from the Vacaville Oil company work has been progressing very well and the present depth of well No. 1 is 900 feet. The formation continues about the same and is still very promising. The contractor is still using nine and five-eighths casing, which is going down without any trouble. The well is being sunk at an average rate of about thirty feet per twenty-four hours.

The report was received on Thursday that the drill had entered the oil sand and that there is a strong odor of oil in the drillings which are brought up.

TEHAMA.

The Houghton well near Orland is making good progress, and has been having a good deal of gas to contend with at a depth of 100 feet.

SANTA BARBARA.

After having drilled less than 200 feet in the Muller well, the tools were lost and the operators have since had a fishing job.

The Marine Oil company is down 300 feet in its new well, and expects to strike oil at 400 feet. Five new drilling rigs are at work in the field.

Eight months ago the Loon Point company commenced work off of its wharf, but the first well was abandoned before the well had reached a depth of 600 feet. No work has been done since, but it is now announced that the company has decided to resume operations.

Parcells, Hunter & Greenwood are reported to have found oil on the Mexico ranch, Santa Barbara county. Drilling continues, and it is not known of how much importance the strike will prove. The find is several miles from producing territory. Mr. Parcells says that there is free seepage of oil in the well, the oil being of light gravity.

VENTURA.

Pure Oil company, operating on the Bishop tract, is perforating casing in its first well at a depth of 1750 feet. The hole was over half full of oil before it was perforated. The hole finishes with five and five-eighths casing, and is good for from fifty to seventy-five barrels. This strike is in new territory, three miles west of the Empire Oil company's property. The company will rig up for No. 2 at once.

San Francisco men have recently secured a controlling interest in the Santa Paula Gravity company, which resumed operations Monday.

Santa Paula Home Oil company is still shut down, awaiting casing.

Memphi Oil company has been fishing for a lost bit for four days.

Sobre Vista Oil company, on the Hardison tract, is down 700 feet, with lots of heavy oil cased off.

Found It All Right.

The following letter in regard to the Famoso Oil Company is self-explanatory:

HARMONY, KANSAS, May 11, 1901.

Famoso Oil & Investment Co., San Francisco, Cal., Gentlemen:

Before I made my recent investment in Famoso stock of $1,100 I felt it my duty to go and look the field over, which I did and found it all that was claimed for it.

I put in two days in the field and found that your holdings were as good as any in the field, and your well No. 1 was pumping more oil than any well there. No. 2 was done and ready for the pump; No. 3 was begun.

I think there is no better investment out there, would recommend your stock to any of my friends.

Received my certificate of Famoso stock all O. K. Wishing you success, I am, Yours truly,

A. D. SMITH,
Harmony, Kansas.

The Arroyo Seco.

The Arroyo Seco has its well on the SE ¼ of section 15, 19-6, Monterey county, down 200 feet, and the drill has already shown traces of oil. This well is not far from the Salinas Oil and Development company, which has oil in its first well. The company's holdings of 720 acres are scattered through the most promising locations in Monterey and San Luis Obispo counties.

$10 WILL EARN $100

In addition to our operations in the oil fields of California, we are now heavily interested in Texas, and our investors are receiving double advantages. We will earn

BIG MONEY

for our certificate holders this month, and it will pay conservative people to write us at once. Let us tell you what our investors say about us.

Standard Oil Promotion and Investment Co.

575-576-577 Parrott Bldg.,

SAN FRANCISCO.

Misplaced Confidence.

A. Kenny, who was for a short time driller for the Tidewater Oil company, is very much wanted just now by Dr. C. T. Deane and J. B. Toplitz. If any one sees Mr. Kenny and will notify either of the above gentlemen as to his whereabouts they will receive many thanks.

Mr. Kenny got into trouble in Fresno, and was arrested for embezzlement. Dr. Deane kindly went on his bond for $1,000, and Mr. Toplitz did the same.

Mr. Kenny avowed his innocence and when the day for trial came Dr. Deane loaned him money enough to go to Fresno, and saw him to the ferry to be sure he got on the train all right.

In a few hours he was back in the city not having gone to Fresno at all, and the bonds of the doctor and the broker were declared forfeited. To say these gentlemen are calling Mr. Kenny hard names does not half tell the story. Both are receiving the congratulations as well as condolences of their friends and it is costing them much for wet goods these days. Meanwhile they are on the outlook for Mr. Kenny, the innocent cause of their trouble.

A Good Proposition.

Intending investors in oil stocks, here and in the east, should read the advertisement of the Paxton Gold Bond Oil company, headed "Ever Bitten by a Wildcat?" Their stocks are guaranteed, and their land is surrounded by proven oil territory in the heart of the rich Ventura county oil fields.

Coalinga Refinery Proposition.

A report that a refinery is to be established at Coalinga does not seem to receive much credence among Coalinga operators in this city, as most of the oil in that neighborhood is already under contract. It is thought the Union Oil company may be connected with the scheme. The proposition is to pay 70 cents on a two years contract, the oil to be piped to Firebaugh, thence down the San Joaquin in barges to Antioch or other point on San Pablo Bay. The Confidence, the only considerable producing company at Coalinga which has oil to sell, is stated to have had the proposition under consideration. The Independence contract with the Union is said to have expired.

According to the press report, an Eastern syndicate is said to be behind the proposition. W. S. Miller of the Standard Oil, and H. M. Schofield of the Pacific Coast Oil company, state that they know nothing of the matter.

After More White Oil.

Work of drilling the third well of the New Century Oil company in Placerita Canyon, Los Angeles county, is now under way under contract with the Placerita White Oil company, which is doing the work with a large Star rig. The contractors are only awaiting tools to straighten No. 1, which is now producing, having been thoroughly cleaned but which needs deepening. This is the famous gusher of white oil which had become clogged.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, May 22:

BEAR FLAG.		
300 at	11	33 00
CENTRAL PT. CON.		
400 at	1 60	640 00
CALIFORNIA STANDARD.		
200 at	38	76 00
1100 at	36	396 00
500 at	37	185 00
700 at	35	245 00
CARIBOU.		
100 at	65	65 00
FOUR OIL CO.		
1300 at	48	616 00
HANFORD-FRESNO-KERN RIVER.		
50 at	12	6 00
800 at	10	80 00
HOME OIL.		
50 at	3 00	150 00
100(B60) at	3 10	310 00
750 at	3 05	2287 50
90 at	3 10	279 00
50(S10) at	3 10	155 00
HANFORD.		
3 at	95 00	285 00
3 at	94 00	282 00
6 at	92 00	552 00
INDEPENDENCE.		
6088 at	16	974 08
1250 at	15	187 50
JUNCTION.		
900 at	35	315 00
KERN.		
25 at	6 00	150 00
LION.		
300 at	11	33 00
60 at	10	6 00
1700 at	12	204 00
209 (S30) at	12	24 00
1200 at	13	156 00
McKITTRICK CONSOLIDATED.		
1810 at	10	181 00
MONTE CRISTO.		
200 at	2 25	450 00
100 (B90) at	2 25	225 00
MONARCH OF ARIZONA.		
200 at	43	86 00
500 (S30) at	42	210 00
500 (S15) at	42	210 00
400 at	44	176 00
300 at	45	135 00
400 at	42	168 00
OIL CITY PET.		
500 at	30	150 00
500 at	28	145 00
OCCIDENTAL OF W. VA.		
1100 at	60	660 00
200 at	66	132 00
100 at	61	61 00
425 at	62	263 50
700 at	63	441 00
450 at	64	288 00
450 at	65	292 50
50 at	59	29 50
PEERLESS.		
50 (B90) at	8 50	425 00
PETROLEUM CENTER.		
5000(S90) at	05	250 00
1000(Cash) at	05	50 00
100(S90) at	03	3 00
2550(B90) at	06	153 00
7750 at	06	405 00
1100 (S90) at	04	44 00
9594 at	05	479 70
100 at	04	4 00
100 at	03	3 00
3300 at	05	165 00
REED CRUDE.		
600 at	45	270 00
500 at	48	240 00
SOVEREIGN.		
50 at	37	18 50
SAN JOAQUIN.		
95 at	9 00	855 00
SUNSET.		
500 at	15	75 00
SUPERIOR.		
200 at	21	42 00
STERLING.		
50 at	1 70	105 00
100 at	1 65	165 00
100(B90) at	1 70	170 00
S. F. & McKITTRICK.		
50 at	1 00	50 00
THIRTY-THREE.		
100 at	10 00	1000 00
WOLVERINE.		
500 at	1 10	500 00
Shares 60,599	Amount	$18,466.78

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending May 22:

CALA. & UTAH.		
2000 at	25	500 00
2000 at	26	320 00
CALIFORNIA STANDARD.		
500 at	38	190 00
1000 (S 30) at	36	360 00
3000 at	36	108 00
2100 at	35	735 00
FOUR OIL.		
500 at	50	250 00
500 at	48	240 00
HOME OIL.		
200 at	3 05	610 00
HANFORD.		
9 at	95 00	855 00
INDEPENDENCE.		
1000 at	15	150 00
1000(B 60) at	15	150 00
2750 at	14	385 00
JUNCTION.		
100 at	35	35 00
LION.		
500 (S 10) at	11	55 00
500 at	12	60 00
MONARCH OF ARIZONA.		
1400 at	43	602 00
1000(S15) at	41	410 00
500(S15) at	40	200 00
1700 at	45	885 00
1000(S15) at	40	400 00
McKITTRICK.		
400 at	35	140 00
OIL CITY PETROLEUM.		
500 at	31	155 00
PETROLEUM CENTER.		
500(S30) at	04	20 00
5000 at	05	250 00
2500 at	06	150 00
PEERLESS.		
500 (B90) at	8 50	4250 00
SAN JOAQUIN.		
100(B90) at	9 75	975 00
50 (B90) at	9 37½	468 75
300(B90) at	9 50	2850 00
STERLING.		
100 at	1 75	175 00
100 at	1 70	170 00
100 at	1 60	160 00
TWENTY-EIGHT.		
550 at	1 25	687 50
WEST SHORE.		
200 at	2 75	550 00
Shares 34,159	Amount	$18,451.25

Pacific Coast Underwriting Company.

The Pacific Coast Underwriting company have incorporated over 150 companies and have underwritten over $16,000,000 worth of stocks during the past year. They furnish interest bearing gold bonds to back stocks. If you wish to incorporate a company, sell stock or secure capital for the promotion of any legitimate enterprise

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Notice of Annual Meeting.

To the members of the California Petroleum Miners' Association: The annual meeting of the members of the California Petroleum Miners' Association will be held at the office of the company, at room 33, 2nd floor of the Mills Building, in San Francisco, California, on Tuesday, June 4, 1901, at 2 o'clock P. M. of said day, for the purpose of adopting new by-laws, electing directors for the ensuing year, and transacting such other business as may come before the meeting. By order of the president of the board of directors.
Dated May 10, 1901. W. B. SIMMONS, Secy.

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F. H. HAUSMAN, Secretary.
Room 32, 8th Floor Mills Bldg.
San Francisco, Cal.

Eastern View of Oil Investments.

These oil lands, says "Bonds and Mortgages," an eastern financial paper, particularly those in California and other Pacific coast states, are a long distance away, and unless one contemplates an investment sufficiently large to warrant a personal investigation he will be forced to rely on the surface representations of the company itself.

With this in view, the following suggestions are offered with the hope that they will be carefully considered before deciding upon an investment, for it has seemed to us that there are some features of any company which their advertisement should show upon which a judgment may be based as to its relative merits:

First. The location, nature and extent of the oil property itself. Is it in an oil producing district?

For all these particulars, it is true one must primarily depend upon the statements of the company and the testimony of oil men of reputed sagacity and integrity, the reliability of whose testimony must be based on the business and moral integrity of the men composing the company in question.

Second. The manner in which the company holds its property. Do they own it or is it leased, and if the latter, what royalty do they have to pay, and what is the lifetime of their lease? It is certainly clear that under ordinary circumstances a company that owns its land and does not have the constant drain of a royalty (be it one-tenth or one-sixth of the gross output) will yield larger dividends to the shareholders and should receive the preference as an investment.

Third. The amount of the capitalization and what proportion of the same is reserved as "treasury stock."

Fourth. How much have the "promoters" reserved for themselves, and how much capital have they been willing to invest in the enterprise before calling on the public to assist them? There is nothing commercially wrong (in fact it is the principle of most of our corporations) in a set of men securing land, and after investing all they can themselves afford, asking the public to share in the probable profits of the enterprise in proportion to the amount of stock they are willing to purchase; but when a company of men have not put more than enough themselves into an enterprise than is necessary to incorporate and secure the proper stationery and do advertising and then appropriate the bulk of the capital stock, it indicates—to say the least of it—a selfishness which does not argue well for the fate of the future small stockholder. We understand that many companies are organized in this way and some have merely an "option" on the land which will give them sufficient time to exploit it. There may be exceptions (and doubtless there are) in which this is done and it turns out to the profit of the investor, but as a straight business proposition one should very carefully scrutinize a project in which the originators are unable or unwilling to risk but a nominal sum. The old fable of the monkey and the chestnuts is too familiar to need enlargement. Too many of our people are expected to be the "cat's paw."

The ideal oil company, as we see it, is one that own its lands in a well tested oil district, with a capitalization (not too excessive) the larger per cent of which has been reserved in the "treasury" as an asset of the company; the personnel of the company should be of men of business standing who have demonstrated their own faith in the enterprise by risking their own money in it, thus assuring the future stockholders that they have a personal and pecuniary interest beyond mere prospective profits and advance in values in seeing to it that the best efforts are put forth for the proper development of the property.

The element of "hope" enters very largely into the make-up of the average "promoter." He is of a sanguine temperament and always expects "big things." The "Colonel Sellars" are not all dead yet, and we are glad they are not, for the "Colonel" is a genial soul, "generous to a fault," and we love him, but in a business proposition one would a little rather take chances with a man, or set of men, who have shown their good faith by first investing a reasonable amount, and who realize that in the event of failure they will lose something beside their "hopes." We naturally feel kinder toward that man who has gotten us into a scheme in which he himself has risked and lost as well as ourselves than toward him who in the deal has had all to gain and nothing to lose.

Given a well accredited piece of property with these conditions above stated, investors may feel reasonably sure they are taking the minimum of risk, and those who are inclined to venture (for it is always a venture) will in such case have reason to expect returns, for large fortunes have been and are being made in California and other oil districts. The resources of the state mentioned seem to be unlimited in petroleum oil, and the demand is increasing every day. The opportunities for getting in on the "ground floor" are exceedingly limited and would require considerable capital with fully as much risk, hence the best opening for parties in this section to become interested is to carefully examine the claims of these companies now operating that field, and by the few simple rules above suggested sifting them out, and after carefully weighing the merits of the different propositions invest in the best. We believe this is a good time for such investment, and any assistance this journal can give to its readers it will be a pleasure to render.

The Secretary of the Interior has affirmed Land Commissioner Hermann's decision in the case of the Kern Oil company against Jacob R. Clotfeler in the Visalia, Cal., land district in directing a hearing to determine the character of the land selected by Clotfeller in exchange for lands relinquished for a forest reserve. The scope of the hearing ordered will include not only inquiry as to the geological formation of the lands, but also as to the discovery and development of minerals on adjacent lands and their geological formation.

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For any of the following stocks in any size blocks

630 Famoso O. and I. Co.
1000 Provident Oil Co.
1000 McFadyen Oil Co.
400 Contra Costa O. & P. Co.
2050 Cal. Rock Oil Co.
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1150 Diamond Oil Co.
1000 Bachelor's Oil Co.

62½ Nonpareil Con. Oil Co.
62½ San Ardo Con. Oil Co.
5000 Pacific Petroleum Co.
2500 Eureka Sunset Oil Co.
1000 Oil Land Co.
197 Hollister Crude Oil Co.
1000 Lincoln Oil Co.
5000 Petroleum Oil Co.

THE OIL INVESTMENT AGENCY

210 Hearst (Examiner) Building, San Francisco, Cal.

PAUL R. LEWIS, Manager and U. S. Government Broker

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."
The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

Two Good Buys

WESTERN OIL CO. Capital $500,000

OPERATING IN SUNSET DISTRICT

LIMITED NUMBEROF SHARES OF FERED FOR 25 CENTS PER SHARE

MANCHESTER AND LIVERPOOL OIL CO.

Capital $500,000

OPERATING IN SAN LUIS OBISPO CO.

A FEW THOUSAND SHARES TO BE SOLD AT 25 CENTS PER SHARE.

RELIABLE AGENTS WANTED IN EVERY TOWN.

FOR INFORMATION INQUIRE OF

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Lands for lease or sale. Mines and mineral lands.

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PHONE HOWARD 2491.

Branch office, 314-315 Courrier Building, Los Angeles, Cal.

Los Angeles Oil Combine.

The great obstacle in the formation of the Los Angeles Oil Producers' combine has been the smaller producer, who has flatly refused to enter into any binding agreement unless he be assured that he will be given protection from the pooling, or attempted pooling, of stock. He has demanded the right to a voice in the management of the affairs of the combine, and has won his fight.

At the recent meeting held an agreement was adopted which is in the form of an application for stock which the Times quotes as follows:

"To the Los Angeles Oil Producers' Association: I am the owner of . . wells, situated as follows: (description of property,) and as such owner hereby apply to subscribe for . . . . shares, of the the capital stock of your company.

"In consideration of my application being accepted, I agree that the said shares be held by me subject to all rules, regulations and bylaws of said company, now or at any time hereafter passed, or so to be, or in force in any way; and agree not to require the issue to me of any certificate of ownership of the said stock; and that I will not transfer any of said shares while I am the owner of said wells, and I authorize the officers of your company to refuse to enter on the books of said company any transfer of said shares, save and excepting to my assignee, and then only on consent of the directors of this company by resolution to be expressed.

"And I further authorize the secretary, for the time being, of the said company, without any instrument in writing signed by me to enter a transfer of any of the said shares to my assignee making an application therefor, and that without any consideration moving to me from the said transfer; the same to be made in my name by the said secretary as my attorney-in-fact upon the execution by said assignee on an agreement containing all the above terms and conditions."

Under the above agreement it will be impossible for the well owner to dispose of his stock, unless the well also changes hands, and will thus preventing the pooling of stock.

The next meeting of the association board will be held Friday evening, and it is expected that at that time the organization will be perfected.

Fuel Oil in Arizona.

Oil is steadily gaining ground as a fuel in Arizona. Shipments of fuel oil aggregating 300 carloads are now being made from Los Angeles to Tucson, for the filling of the great iron tank of the Southern Pacific at that point. The Phoenix Street Railway company has commenced the use of petroleum under its boilers. The Commonwealth mine at Pearce, Cochise county, is using a carload and a half a day of oil. Even more is probably consumed by the Congress mine northwest of Phoenix. At Bisbee oil is the fuel in the immense new hoisting works of the Copper Queen company, over Spray shaft.

Standard at Redondo.

It is reported that the Standard Oil Company is arranging for the handling of oil shipments from Redondo. At the salt works near that place the company has erected a large storage tank, and from that a pipe line has been run to the wharf. Under the proposed arrangement oil will be taken to Redondo on cars, where it will be stored until the arrival of tank steamers. Loading with the pipe line as arranged will be a matter of a few hours.

Oil on the River.

Hunt, Hatch & Company are having a crude oil generator put in their schooner Etta B. Mr. Hunt says it is the first crude oil generator ever put in a vessel, although they have been used for many years on stationary engines. The Etta B. was formerly run by gasoline, which cost about 15 cents a gallon. The cost of the crude oil will be about 3 cents a gallon. As soon as the work is completed the vessel will start on her regular run up the Sacramento river for fruit and vegetables. According to "Industry" it is the intention of the company to put the same kind of a generator on their other vessel.

Cutbirth Oil company expects to be drilling on June 1st on the desert, and a standard rig will be sent to the ground within a very few days, though it is not definitely decided whether to send it to the land at Kramer or the land at Mojave. This is a newly organized company which has secured extensive holdings in the prospective desert fields.

The United States district court has found the indictments against E. A. Pueschel and F. G. Maid, in the scripper cases, illegal, in that the indictments were found by the grand jury of the southern division, while the offense charged was committed in the northern division if committed at all.

A test of oil as fuel for running an irrigating plant on a rice farm in Texas has proved very successful, and thirty-five to fifty barrels of oil will be used daily, a saving at 50 cents per barrel, of $10 per day, over coal.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

DESERVES SUCCESS.

A Firm that Has Promoted Ten Companies in a Year.

W. A. Jacobs & Son, the well-known insurance men of the Mills building, are also engaged in the oil business.

About a year ago they bought a tract of land in the Kern River oil district, and quietly went to work to form oil companies upon it.

Since that time they have promoted TEN successful companies, as follows: Alma, Henrietta, Black Jack, Bolena, Wolverine, Hecla, Olema, Mecca, Stephens and Alva.

A large proportion of the stock of these companies has been sold in large blocks in the east, Mr. Fred A. Jacobs having spent much time in the east for this purpose.

Messrs. Jacobs & Son have promoted these companies without making the ostentatious display characteristic of some of those engaged in promoting oil companies. Furthermore they have not kept to themselves the lion's share of the profits but have divided these with the stockholders in the companies they have formed. Neither have they used misrepresentations in newspaper advertising or in prospectuses but have endeavored to understate rather than overstate facts.

In consequence of this policy the shareholders in their companies are all well satisfied with their stock investments, and are now enthusiastic over the opportunities for investment presented in the California oil fields.

The oil industry of the state would be vastly better off if all promoters had followed the policy of the Messrs. Jacobs & Son. Many eastern investors have been induced to buy stocks for a dollar a share, and those stocks today are not worth five cents a share. In some cases a considerable amount of the money obtained from stocks has gone into development work as long as it lasted. In other cases a large share of this money has gone into fake advertising, expensive offices and the like. In still other cases the promoters and agents have got away with the most of it and left the shareholders nothing but the paper on which their stock was written.

So far as is known every company which advertises in the PACIFIC OIL REPORTER is a reliable company, operating conservatively and safely, with no wasteful promoters, no fake development promises and no 60 per cent agents.

Messrs. Jacobs & Son deserve the success they have won. There is no reason why others should not have like success by following like methods, treating their shareholders "on the square."

Kern Land Transfers.

The following deeds have been placed on record:

J. S. and Mary Irene Augusta Myers to Alexander Dallas and A. K. Woodbury the NE¼ of the SW¼ of 24, 28-20.

The Grace Oil company to C. M. Newton, the south five acres of the W½ of the W½ of the NW¼ of the NE¼ of 8, 29-28.

E. L. Reese to the California Oil Lands company, all of the fractional section 31, 32-25, comprising 658 acres Consideration, $32,-800; also the fractional section 31, 12-22 comprising 640 and 80-100 acres. Consideration, $32,040.

Patents Relating to Oil and Gas.

The following patents relating to oil and gas, granted during the past month, are reported especially for the Petroleum Gazette by J. M. Nesbit, Patent Attorney, Park building, Pittsburg, Pa., from whom printed copies may be procured for 15 cents each.

Well boring apparatus, F. A. Eastman, Litchfield, Minn., 672,-097.

Tool for removing broken sucker rods from wells, C. O. Taylor, Petrolia, N. Y.; 672,154.

Wrench for drilling tools, D W. Burdic and G. A. Zillafro, Rixford, Pa.; 672,162.

Well drilling for raising and dropping the tools, E. D. Wolbert, Bakersfield, Cal.; 672,470.

Expansible packing attachment for artesian wells, Francisco Cavallaro, San Jose, Cal.; 672,475.

Well casing, F. W. Hunick, West Bend, Iowa; 672,556.

Pump, C. L. Parker, Los Angeles, Cal.; 672,537.

Drill casing extractor, G. S. Wilson and S. E. Loy, Aurora, Mo.; 672,814.

Pipe patch attachment, C. T. Murrin, Jeddo, Pa.; 672,955.

Sucker rod connection, E. A. McCabe, Pittsburg, Pa.; 672,956.

Filter or strainer for well tubes, Anthony Keller and Michael Jeffirs, Plymouth, Ind.; 673,398.

Well drilling apparatus, N. G. Hall, Spencer, S. D.; 673,500.

Plump rod grip, J. E. Foster and C. F. Richey, Franklin, Pa.; 673,679.

Oil For Dressing Bits.

Much attention is being given by managers of surrounding leases to the new oil burning furnace recently installed on the Santa Fe lease at Fullerton, Orange county. Forges of this pattern are in use in San Bernardino for the welding of car axles and other work requiring greater heat than could be obtained from the ordinary coal fire, but this is the first application of this method to the heating of the huge bits in use on the lease. A Herald correspondent describes the furnace which has been erected there as composed of pressed fire brick, with walls some eighteen inches in thickness. The fire chamber measures about three feet each way, inside, and can accommodate the largest bits through a sliding iron door, so hung upon weights as to prevent the escape of any heat during the entrance of the bit.

The furnace consumes, when running at full heat, rather less than a barrel of oil per day: This oil is blown in by compressed air at a pressure of about 100 pounds from a tank close by.

The bits are handled by a large crane, tested to 2000 pounds capacity, and the dressing is done almost entirely by a swinging hammer, kept in motion by three men.

New Oil Engine.

Great things are expected of the Diesel engine, the latest thing in German engineering, the first working of which in England a London Express representative was permitted to see at Guidebridge, near Manchester, recently.

Economy in fuel and space is the chief merit of the Diesel, commending it to makers of automobiles and small marine craft as an engine with a future. Its claim to originality lies in the fact that it works with crude oil, without smell or dirt, perfectly consuming all the products of combustion. Unlike other oil engines, it requires no iguition point. Compressed air from cylinders starts the Diesel. Oil and air are then admitted to the cylinder, when the compression of the air by the return stroke so raises the temperature that the oil flashes and the forward stroke is delivered.

The exhaust is perfectly clean and free from odor. Thus the claim made for the Diesel is that no boilers, furnaces or chimneys are required. Great economy of space and fuel is effected, as it can be used with any kind of liquid fuel or furnace gas, the waste product of blast furnaces. Hopes are entertained that the Diesel will be used on a very large scale, those who are introducing it to England claiming for it the ability to run a vessel as large as the Oceanic. Already an order has been placed by the French government for an engine of this type, to be used in a submarine boat.

Land for Sale

South of Kern River

Price To-day $110 Per Acre

EASY TERMS

Will Soon Be Worth $1,000 per Acre.

Price Subject to Change Without Notice.

Address **LAND OWNER,**
Care Pacific Oil Reporter
318 Pine Street, San Francisco

We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

On May 27 our stock will advance to 25c.

First well completed about June 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed.

Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.
T. A. KIRKPATRICK, Secretary.

HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.

First National Bank of San Francisco, Depository.

Oil Companies Incorporated.

Travelers' Petroleum Land company. Principal place of business, Oakland. Directors—R E Muller, C Peterson, F I. Matthews, O F Brelling and F Boehmer. Capital stock, $25,000; subscribed, $10,000.

Kern-Treasure Oil company. Principal place of business, Phoenix, Ariz. Directors—H A Melvin, P Young, C M Orr, O A Foster and J H Manor. Capital stock, $500,000.

Palo Alto Stanford Oil and Development company. Principal place of business, Palo Alto. Directors—F L Crandall C H Mathews, E E Peck, M L Megladdery, H A Andrews, W R Schrokks and C A Meck. Capital stock, $200,000; subscribed, $500.

Los Angeles Oil Producing company. Principal place of business. Los Angeles. Directors—W A Lamb, L C Parker, W H Allen, T A O'Donnell, C H Daggett, D M McDonald, E A Doran, G Easton, and A W Morgan. Capital stock, $20,000; subscribed, $2000.

Ocean Wave Oil and Development company Principal place of business, San Francisco. Directors—J C Anthony, C P Stone, G W Haines, E G Miller, J W Black, E H Cery, J M Benham, F B Hubbard and C A Austin. Capital stock. $500,000; subscribed, $320,000.

California Liquid Asphalt company. Principal place of business, San Francisco. Directors—E S Hadley, W H Bramball, E F Smith, A W Grant and J F Fassett. Capital stock, $10,000; subscribed, $10.

Cola Oil company. Principal place of business, Pierre, Hughes county, South Dakota. Directors—D Jones, J P Sheridan, L L Stephens. Capital stock, $500,000.

Calico Oil company. Principal place of business, Tehachapi. Directors—C Heath, R R Taylor, W N Cuddebach, R M Spencer, J Kett, B M Dennison and L F Brite. Capital stock, $500,000; subscribed, $35.

Little Napoleon Oil company. Principal place of business, Los Angeles. Directors—M R Toland, G Breakenhoff, A R Spencer, E A Clampett and H A Wright. Capital stock, $20,000; subscribed, $150.

Oasis Mining and Oil company. Principal place of business, Barstow, San Bernardino county. Directors—W W Timmons, C W Allen, J H Flint, L Goodling, E D Korner, J. R. Lane and G D Hutchinson. Capital stock. $500,000; subscribed, $432.

Guadalupe Asphalt company. Principal place of business, San Francisco. Directors—W J Watson, J C Currier, J P Pritzman, H Brumer, T C Tognazzuer and F A Denicko. Capital stock, $75,000; subscribed, $20,000.

Hollister Mutual Oil company. Principal place of business, Hollister. Directors—R P Lathrop, C N Hawkins, T Murphy, C H Wagner, W Higby, W V Hollingberry and E J Beane. Capital stock, $500,000; subscribed, $950.

Black Condor Oil company. Principal place of business, San Francisco. Directors—L E Stover, F J Dyer, Z T Malaby, H McClaughry and W W McNair. Capital stock, $500,000; subscribed, $25

Weldon Oil Development company. Principal place of business, Phoenix, Ariz. Directors—G W Emmons, G G Lewis, R H Contiss, W F Bogart and J A Beckwith. Capital stock, $500,000.

Isibel Oil company. Principal place of business. San Francisco. Directors—E L Snell, A H Baily, G V Daniels, P A Doane and W C Reveal. Capital stock, $1000,000; subscribed, $75.

Hunt Oso Oil comrany. Principal place of business, Grayson. Directors—C F Edlemon, T E Waldon, A Whitmore, F Bartch, J K McDonald, W W Reicks and J E Ward. Capital stock, $24,000; subscribed, $1600.

Sycamore Oil company. Principal place of business, Bakersfield. Directors—J A Bunting, E P Fallis, G A Scott, J F Davis and G Scribner. Capital stock, $360,000; subscribed, $53,000.

The Mutual Oil and Land company. Principal place of business, Denver, Colo. Directors—M B Carpenter, W Geider, L S Megginson, W F Kendricks and W B Ryder. Capital stock, $10,000.

The San Luis and Carisa Oil company. Principal place of business, San Luis Obispo. Directors—A Tognazini, H H Carpenter, L F Sinsheimer, D D Barnard, J F Feidler, A F Fitzgerald and J W Barneberg. Capital stock, $200,000; subscribed, $6350.

Bardsdale Canyon Oil company. Principal place of business, Los Angeles. Directors—T Pascoe, W A Bolser, F A Garbutt, C A Joss and S R McFarland. Capital stock, $500,000; subscribed, $500.

Actomania Oil and Development company. Principal place of business, Los Angeles. Directors—W H Broome, W L Rich, W S Livengood, Margurite Broome and Louise B Rich. Capital stock, $2,000,000; subscribed in full.

Members of the Los Angeles Oil Producers' Association have made public the nature of the business transacted when organization of the association was completed. W. H. Allen Jr. was elected president and A. W. Morgan secretary, this election being with the understanding that there will be another election as soon as all producers have had an opportunity to decide whether they wish to enter the organization.

The membership of the association at present includes 365 wells in the Los Angeles fields, and it is proposed that the association will proceed to handle the oil of the members whether others join or not, though there is every reason to believe that at least 600 of the 800 wells from which oil is marketed will be brought into the organization at an early date.

OIL STOCKS

and Lands

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Local and Eastern Capital

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San Francisco, Cal.

PHONE, BUSH 240.

Gould Central Oil Company

Nine Square Miles of Oil Lands

In the McKittrick and Temblor Districts, Kern County, Cal.

The Gould Central Oil Company has acquired 3800 additional acres of oil land in the immediate vicinity of its already large holdings in the McKittrick and Temblor Districts, Kern county, and now has 5720 acres along the main oil belt from McKittrick to Devil's Den. Is now drilling with its own plant Well No. 2 on the NE¼ of section 18, 29-21, McKittrick District. A limited number of shares offered for sale at 20 cents each. Full prospectus furnished on application.
San Francisco office, rooms 33-34 Alliance Building, 416-418 California street.

The Calistoga Oil and Development Company

Holding by purchase, leases and options valuable properties in Yolo, Napa, Fresno, San Benito, Monterey and Kern Counties, is offering a limited amount of its treasury stock at 50 cents per share.

Before placing this stock on the market the directors have secured the properties and furnished funds to purchase two rigs. Actual drilling will begin this month. Are you interested? Then call or write for prospectus.

OFFICERS AND DIRECTORS

L. D. Hitchcock, President. Robert B. Todd, Vice-President
B. F. Edwards, Secretary. J. M. Casselman, Treasurer.
Dr. E. J. Boyes. Dr. H. G. Thomas.

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Pacific Works

The only Wire Rope Factory on the Pacific Coast.

We make
Wire Ropes, Cable and Hawsers

For all purposes and with every possible combination of Wires, steel and iron, galvanized or plain.

Wire Ropes Of all Kinds For Oil Well Purposes

And all fixtures and appliances for the use of Wire Rope

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We carry the Largest stock. Our prices are Equitable.

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Oil Lands for Sale or Lease

IN THE DISTRICT OF COLUSA COUNTY . . .

Showing the best oil yet on the market, at reasonable prices and terms, in tracts from 20 to 3000 acres.

John C. Mogk

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Manufacturer

OIL & GAS WELL · · · · RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices etc., inquire

D. HOOKER, Los Angeles, Cal., W. FORGIE, Washington, Pa.

The Barrett Oil Well Swivel Wrench For carrying and placing bits in drilling stem boxes

Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.
It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different size squares to suit different size bits.

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DEPARTMENTS:

MACHINE SHOPS — FOUNDRY
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MINING, MILLING and MACHINE CASTINGS

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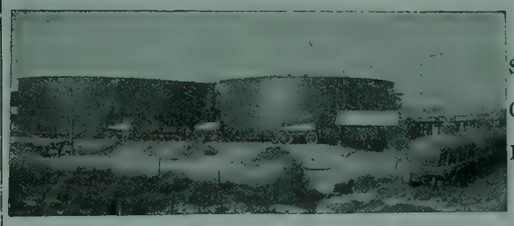
Manufacturers of



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General Sheet
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OIL STORAGE & WAGON TANKS

Oil Well Casing Oil Stills

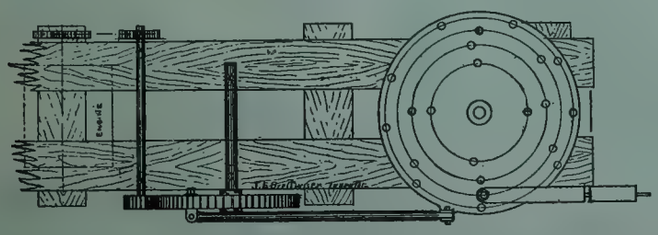
Works: Cor. New Main and Date streets. P. O. Box 231

Telephone, Main 196. Baker Block. Station C

Office, 334 North Main Street, Los Angeles, Cal.

A PUMPING POWER

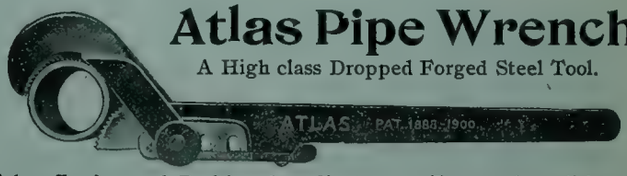
That weighs less than one ton; that occupies space less than 10x20 feet; that gives each well a separate length of stroke; that does not need to be set in concrete; that runs with sprocket chains from the engine, which is bolted to the same sills and that can be moved from place to place without disturbing the machinery.



J. E. BREITWISER, Inventor. RISDON IRON WORKS, Builders

Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.

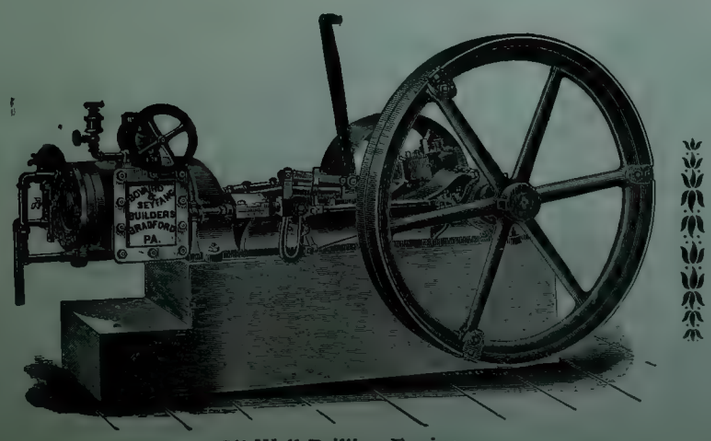


Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

ATLAS PIPE WRENCH CO 51 Flood Building, San Francisco.

New York Office, 121 Liberty Street Works, New Haven, Conn.



Oil Well Drilling Engine.

Parke & Lacy Co.

SAN FRANCISCO, CAL. BAKERSFIELD, CAL.

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OIL WELL DRILLING MAHINERY

TOOLS AND SUPPLIES

ENGINES, BOILERS, PUMPS, ETC.

BOSTON CASING

PROMPT DELIVERY CORRESPONDENCE SOLICITED

OIL DIRECTORY

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALIFORNIA OIL AND GAS CO.
Capitalization..... $2,000,000
200,000 shares at $10.
Incorporated under the laws of Arizona. Stock non-assessable.
Location, Fresno county; section 13, township 19 south, range 14 east, and sections 9, 15, 19, 21, 27 and 29, township 19 south, range 15 east M D B and M.
Officers: W H H Hart, president; R J Davis secretary; W M Graham, H J Umbsen, D E Hayes and W H Snedaker.
Office: 202 Parrott Bldg., San Francisco

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and treasurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office, Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W W Benchley; W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 4 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 636 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. E. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MOUNT SHASTA OIL AND DEVELOPMENT Company. Incorporated July 10, 1900 Capital $250,000; Number of shares, 250,000. Lands, 1120 acres—650 in Shasta county, 50 in Colusa County, 200 in Napa county and 220 in Yolo county. Officers—President Thos. A. Pinnel, vice-president S B de Silva, treasurer Edwin R Lawson; secretary, Dr. F. Plymire. Directors—W A Harvey, M. D., Edwin R Lawson, Dr. F A Plymire, Highland F. Finnell, D. B. Plymire, M. D. Office, room 44, 6 Eddy street. St. Ann's Building, San Francisco. Telephone Red, 5321. Adolphus E. Graupner, attorney for company.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Malty, vice-president; J F Moore, secretary; D J boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OHIO OIL COMPANY OF SAN FRANCISCO Capital stock 300,000—$1 each. This company owns and controls 320 acres in the Fresno-San Benito district, and 800 acres in Contra Costa county. Officers and directors—B F McKinley, president; W H Russell, vice-president C C Gleaves, secretary and manager; Columbian Banking company, treasury; W E Amamm, general superintendent; D P Kellogg; E A Gilbert, A P Shepard, directors. Office—606 Hearst (Examiner) uilding, San Francisco.

OCCIDENTAL OIL CO. OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building. San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital $500,000
500.000 shares at $1 00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn. W. W. Hutchinson-Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, lCal,

WESTERN OIL ASSOCIATION.
Capital $1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
Location: SW¼ of NE¼ 7, 28-28 M D B and M Kern River district.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; J H Edson, manager; Union Trust company, treasurer; W E Robinson, Springfield, Ill., J H Edson, Oakland, Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 228 A street; Portland, Ore, McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone - Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office—552 Parrott building, San Francisco, Cal

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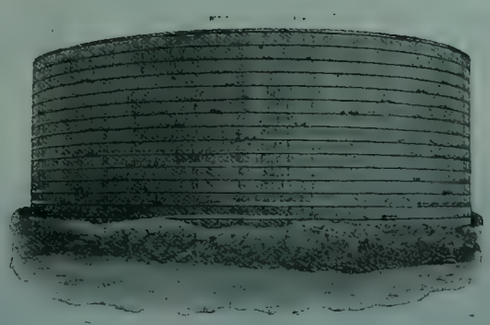

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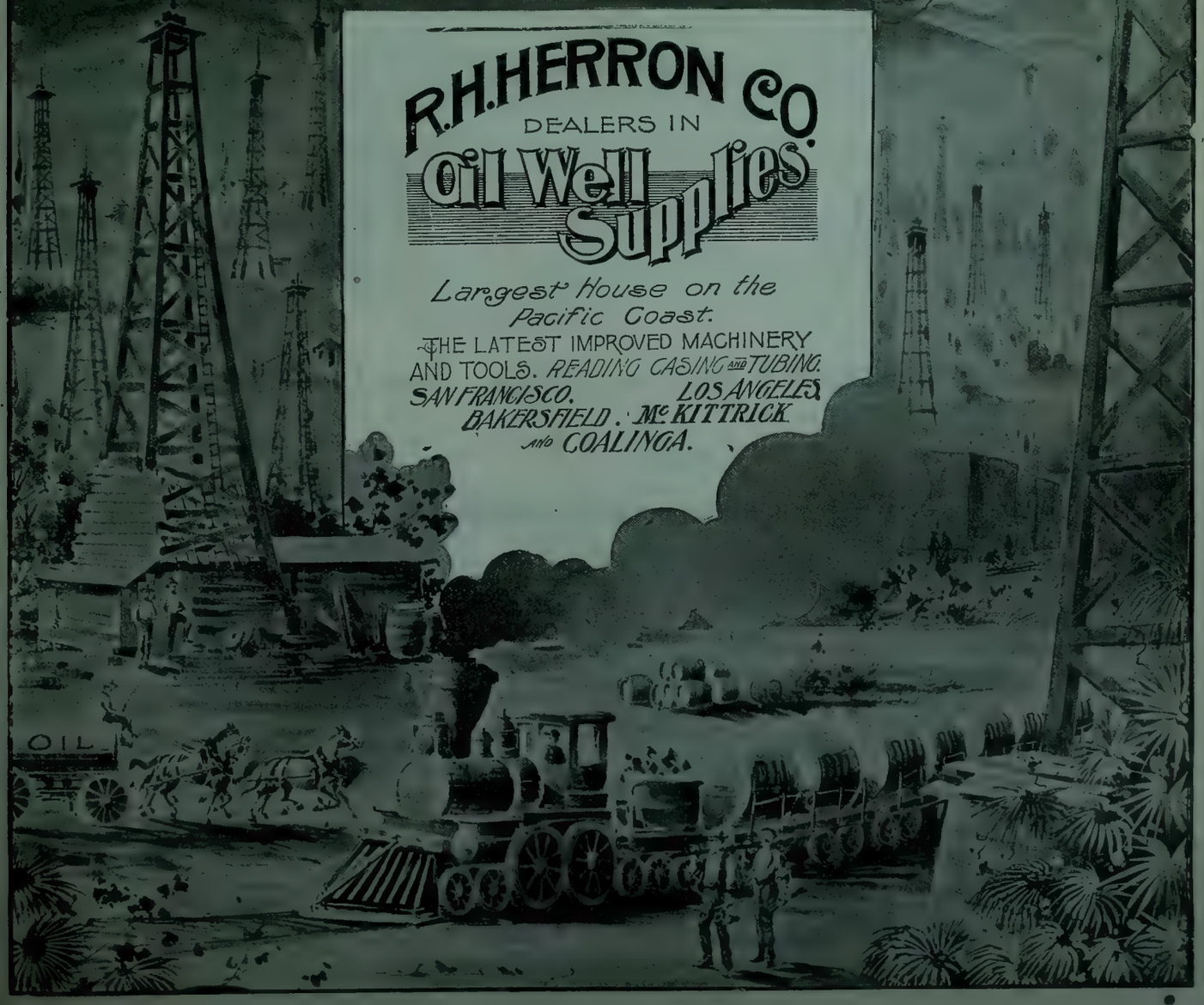
VOLUME 2 NUMBER 30

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, MAY 31, 1901.



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PACIFIC OIL REPORTER

VOL. 2. NO. 30. SAN FRANCISCO, CAL., FRIDAY, MAY 31, 1901. PRICE, TEN CENTS

CRUDE OIL IN GAS ENGINES.

How the Consumption of Fuel Oil May Be Extended.

Use of Gas Engines for Irrigation and Other Agricultural Purposes—Apparatus Adapting Fuel Oil for This Purpose.

It seems to be a natural law that just sufficient rain will fall in a certain district to maintain that amount of vegetation which Providence decrees shall exist there, or the converse, that vegetation accommodates itself to the amount of rain that falls. In either case it is a fixed law. So, when the hand of man tills the soil and sets out his orchard or vineyard and raises garden truck and alfalfa, and his neighbors do likewise, it is soon found that although the rainfall continues normal, yet his land still suffers from a dearth of water. But one result accrues. Since man has artificially planted his land, so must he artificially water his land—hence the gigantic schemes of irrigation, whereby mighty rivers are turned upon the arid plains, and where once only existed the cactus and sage brush, now thrive the orange and lemon, and extended acreage of green alfalfa greets the eye in endless vista. In other districts immense sums of money are spent in sinking wells and rigging pumping outfits in order that the water may be drawn to the surface and distributed over the land. It is this latter method that is in vogue most extensively in California. Let the traveler wander through the orchard district, and on every hand his eye meets the stack of a steam pumping plant, and for a period of about three months each year, during the pumping season, one may hear the ceaseless cadence of exhausting steam.

The purchase of wood and coal for the operation of these plants has long been a heavy burden upon the farmer, and the advent of fuel oil, with its saving of from 45 to 65 per cent, brought joy to his heart and financial sunshine to his operations. The steam plants average in size from 35 to 50 horse-power, and generally consist of plain return tubular boiler with ordinary slide valve engine, belted to a centrifugal pump. In some instances the farmers have combined forces and erected a central pumping plant. Such plants vary from 175 to 250 horse-power.

There is still another form of pumping plant that seems to be making a record for itself and this is the gas and gasoline engine which uses a crude oil gas generator. These crude oil generators are so constructed that they may be attached to any kind of gas engine, and the saving thus effected is over 50 per cent. These generators are very compact in form and utilize the hot exhaust gas from the engine in evolving a gas from the oil, which gas is then fed to the engine. It is claimed by a great many operators of these engines that they can actually put the water on their land at a less cost than if they had to ditch and flume and pay for water-rights to some irrigation company. The data which follow are furnished by a reliable gas generator manufacturer and are quoted verbatim. They are comparative statements of the saving effected under similar conditions of load:

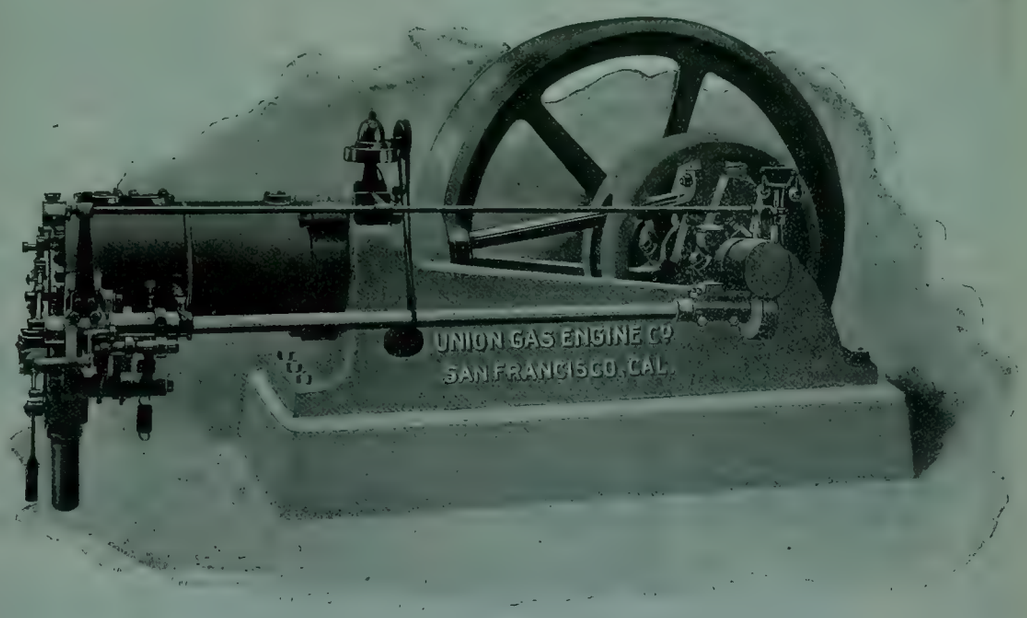
Engine No. 1—A medium size Hercules driving a centrifugal pump. Consumed three and two thirds gallons of distillate per hour; engine running at a speed of 212 revolutions per minute. Three and one-third gallons of crude oil per hour gave a speed of 216 revolutions per minute. This engine has been running nearly continuously for four months on crude oil, holding the record of three and one-third gallons of oil per hour. The owner is well pleased with the generator and has no hesitancy in saying he would not take $1000 for it if he could not get another of the same kind. With distillate at eleven and one-half cents per gallon and crude oil at six cents per gallon he made a net saving over distillate of $5.28 per day.

Engine No. 2—A large sized Union running 205 revolutions per minute driving a centrifugal pump. Consumed 110 gallons of No. 1 distillate in twenty-four hours. Ninety-six gallons of crude oil gave the same speed and a corresponding amount of work for twenty-four hours. Distillate at eleven and one-half cents per gallon and crude oil at five and one-half cents per gallon, making a net saving over distillate $7.37 per day. This engine has been running almost continuously for over four months, holding the above record in favor of crude oil.

Engine No. 3—A medium size Fairbanks Morse engine driving a centrifugal pump was tested with crude oil for five days run against the same time with gasoline; it gave the same power with about eight per cent less oil than gasoline. This and the difference in the cost of the two fuels make a saving over gasoline of $6.96 per day of twenty-four hours: The owner of this engine and generator is well pleased with both and heartily recommends them to all inquirers. In a letter of recommendation he says the Fairbanks Engine seems to be specially constructed to use your generators.

Engine No. 4—A small size Otto engine driving a centrifugal pump; has been used most of the time for several weeks on crude oil. The measure of fuel, either oil or distillate, was not made in gallons but by his feed tank full for a given numbers of hours run. He writes: "I find by using crude oil that it will develop more power and and at fifty per cent less in cost." The test that we made was that his tank of oil gave as many hours run, 312 revolutions per minute, as the same tank of distillate gave, running the engine 286 revolutions per minute, which meant that much more power and likewise more water.

Engine No. 5—A large size Oriental engine, not using full power, driving a centrifugal pump. This engine was used last season on the same pump in a pit eighty feet deep, it consumed a drum 110 gallons of distillate in about twenty-six to twenty-seven hours; during the winter they lowered the pit ten feet, making the lift ten feet greater than last year; this season's run was made with crude oil; a drum 110 gallon was consumed in twenty-eight to twenty-nine hours, they got fully as much water per minute as last year; the engine was run about ten revolutions faster than last season. We have not the exact data of saving at hand but it is over $6 per day. The owner is well pleased with the generator and takes pleasure in recommending it to his friends.

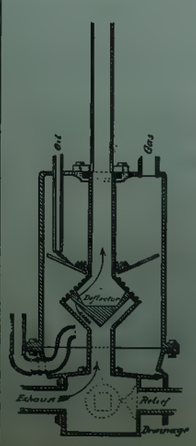


21 Horsepower Gas Engine Made by the Union Gas Engine Company of San Francisco.

One of the most important subjects in connection with the working of a petroleum field, is, there is little doubt, the supply of motor power for working the drills, etc. There are new developments in the matter of motive power coming about, but the movement is slow, like all new ventures, and, as yet, it is not at all certain how far they can be adapted to the various and varying requirements of the petroleum fields. Electricity has, as we all know, found favor in certain quarters. At present, however, electricity cannot be regarded as a practicable solution to the difficulty. There are steam engines specially constructed to meet the special conditions of petroleum work, and they answer their purpose admirably.

Gas engines in use for power purposes in the oil districts are a a source of great economy, and knock a good deal off the cost of production. So effective is the gas engine in this direction, that the cost of producing a barrel of oil in Indiana, delivered to the pipe-line, is at a very low figure, and there can be no doubt that the saving on account of motive power effected by the employment of the natural forces available, is considerable.

TRULLINGER CRUDE OIL GAS GENERATOR.



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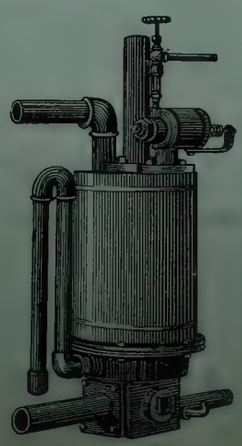


Exterior View.

This gas generator can be used to run gas, gasoline or distillate burning engines by supplying gas from crude petroleum at less than the cost of distillate. The apparatus is built from 5 to 30 H. P. It can be attached to all kinds of gas engines and is claimed to work equally well on all makes. The principal object of these machines is to generate gas from crude oil, but the generating power and arrangements for mixing air and gas permit the use of gas, gasoline, distillate or refined oil to advantage.

FUEL OIL IN TEXAS.

Status of Development Work in the Southwestern Field.

Character of the Product of the Beaumont Gushers—Possibilities of Oil Fuel in the Gulf States.

An immense area is known to be oil-producing, although for the present operations are mostly confined to the counties of Navarro (the Corsicana field), Nacogdoches, Jefferson (Beaumont and Sour Lake), and Bexar (San Antonio).

The Beaumont field is situated on the borders of Jefferson county, which forms a part of the great Coastal Plane of Texas. This plane extends from the Gulf of Mexico for about a 100 miles inland, having a slight gradient towards the sea. On the eastern side of the county is the Neches river, a deep and tortuous stream, but navigable for 450 miles from Sabine lake, into which it flows. The town of Beaumont is immediately on this river, and the Lucas well is about three miles from it in a straight line. Sabine lake is a large and beautiful sheet of water, but the deepest soundings in it are not above eight feet, except near the southern end where the ship canal enters, and where the channel from the gulf begins.

The exact geological horizon of the Beaumont oil has not yet been satisfactorily determined, owing to the fragmentary nature of the fossils which were thrown up from the oil sand at a depth of 1140 feet. This much, however is certain, that it belongs to the Tertiary formation, according to Mr. T. W. Stanton, of the United States Geological Survey, who is the highest authority on this subject, and to whom the fossils of the shells from the oil sand were submitted.

It may be interesting to add a few conclusions arrived at in regard to the geological occurrence of Texas oil by Mr. Robert T. Hill, also of the Geological Survey. He states that the marine sedimentary rocks in Texas are about 25,000 feet in thickness, and occur as strata of differing hardness, tilted at steep angles in the mountainous areas, and nearly horizontal in the plains region. In speaking of the formations of the coastward slope from Cretaceous to recent age, he says: "Most of the rocks were once marginal deposits of the Gulf of Mexico, laid down when it extended much farther inland than it does today; and they were elevated as the Gulf receded from the Rocky Mountain front to its present position. All these strata now incline toward the sea. In some instances he inclination coincides with the surface slope, while in others it is slightly greater. . . . The marine Tertiary and Pleistocene sediments are found only to the coastward of the later Cretaceous, the formations of the Coastal Plane. The Eocene Tertiary strata are mostly unconsolidated alterations of sand and clay, with exceptional local indurations of ferruginous sandstone. The latter marine sedimentaries of the Coast Prairie district (Miocene to Recent) have not been classified by age, but collectively they make a great thickness of unconsolidated sands and clays of late Tertiary and Pleistocene age. According to well borings at Galveston they are over 3,000 feet thick. They produce a remarkably level topography—apparently a new plain lately recovered from the sea."

The occurrence of oil in the Beaumont district is not by any means a new discovery, as nearly forty years ago it was reported upon as being oil-bearing, and some interesting, independent information bearing upon the large deposits of oil in that district is given in a letter which was written by a Dr. Cavanaugh. Provided with certain instruments he made a tour of the land lying along the Sabine River, in the course of which he discovered a number of veins extending over some 200 miles. The impression this gentleman obtained was, that there was a perpetual flow of oil from the northwest, perhaps from the Rocky Mountains down through Texas. He further points out that there is a vast deposit of sulphur underlying a large section of the country which unites with various other mineral deposits.

Recent investigations into the value of this district have been made by Prof. J. C. White, on behalf of Mr. J. M. Guffey, Pittsburgh. Prof. White is one of the best known geological petroleum experts in America, and it was on his advice that the first well was put down under the superintendence of Captain Lucas. After striking two good petroleum strata the drillers continued their work, and on the 10th of January last, struck the big well, known as the Lucas well. The initial output of this well amounted to 10,000 barrels per day, but it gradually increased until it had reached the figure of 70,000 barrels. Naturally, the shutting down of the well was a matter of great difficulty, but eventually it was successfully capped. Beaumont is situated about 13 miles from Port Arthur, on the Sabine Lake Canal, where there are excellent shipping facilities. Here they are able to load 2,500 barrels per hour, and when all the arrangements are completed this will be increased to between 4,000 and 5,000 barrels per hour, or equal to about 15,000 tons per day, with possibilities of considerable extension. Two pipe-lines will be available for taking this oil away, while the storage

They All Stand In Amazement

At the aggressiveness of the

WESTERN OIL ASSOCIATION

Another big deal closed in which they secure by purchase 5000 acres valuable lands in the very heart of the illuminating belt in San Benito County, adjoining the property of the Nonpariel Oil Company. In addition to its operations in the Great Kern River District, it will begin development at once of the new tract in the illuminating belt, where the oil known to exist is many times more valuable than the quality found elsewhere.

Price of Stock Will Advance June 10th to 15c

Until that time your last opportunity is offered to get in on the ground floor at 10 cents per share. Write

R. K. ROBERTS, Secretary

312 Emma Spreckels Building

San Francisco, Cal.

A FEW RELIABLE AGENTS WANTED.

10 Cents
Till June 10th

Positively
Non-Assessable

capacity will equal 1,000,000 barrels, which will shortly be increased to 2,000,000. There is also additional storage accommodation at Port Arthur. Some time back, the operators holding interests outside those of J. M. Guffey & Co., congregated in order to discuss the question of handling the oil. A committee formed to ascertain the cost of two 8-inch pipe-lines to the coast, tankage, working capital, etc., reported that $16,700,000 would be required to finance the enterprise. This sum rather staggered the operators, and the committee was then instructed to correspond with the Standard Oil company with a view to inducing this concern to become common oil carriers in the Beaumont field. The Standard sent a few representatives to Texas, and these having viewed the field and considered its possibilities, the near future will probably reveal what the Standard is going to do in the matter.

The oil yielded by the Beaumont gusher is said to be a pure crude and free from water, which is exceptional, and we cannot do better here than quote from the report made by Prof. J. C. White on the application and use of the Texas oil.

"The recent large development of these asphaltic fuel oils in California has led to a practical revolution in fuel for factories, railroads, and every other form of power from fuel.

"This development of liquid fuel in Russia and California is only the pioneer stage of the business. The recent enormous well drilled by Guffey and Galey, of Pittsburg, near Beaumont, Texas, almost rivaling the output of any of the great petroleum fountains of Baku, and within only a few miles of Port Arthur, the best shipping point on the Gulf of Mexico, opens a vista of liquid fuel production and use that is simply stupefying in its immensity and possibilities.

"As stated above, the Russian oil-fields cover only a few thousand acres, but the indications in Texas, from Corsicana to Beaumont, and along the Gulf, lead to the conclusion that many hundred of thousands of acres may be richly petroliferous, and the yield of petroleum therefrom dwarf into insignificance the famous region on the Caspian Sea.

"The measurements of experts give the Beaumont well a capacity ranging from 25,000 to 70,000 barrels daily. The well was recently partially opened up, and Mr. Galey states that with the valve only slightly open, it flowed at the rate of 1,200 barrels an hour, or 29,000 barrels a day. Hence, whatever the final figures of its productive capacity may prove to be, when the well can be fully tested, the fact remains that it is very large, and therefore gives evidence of the existence of a great pool of oil covering an area whose size no one can yet predict with approach to accuracy.

"Several tests of the Beaumont oil have been made by experts, and all agree that it contains only a small proportion of kerosene (10 to 15 per cent) and is therefore a fuel oil par excellence."

After quoting various analyses, Prof. White continues:

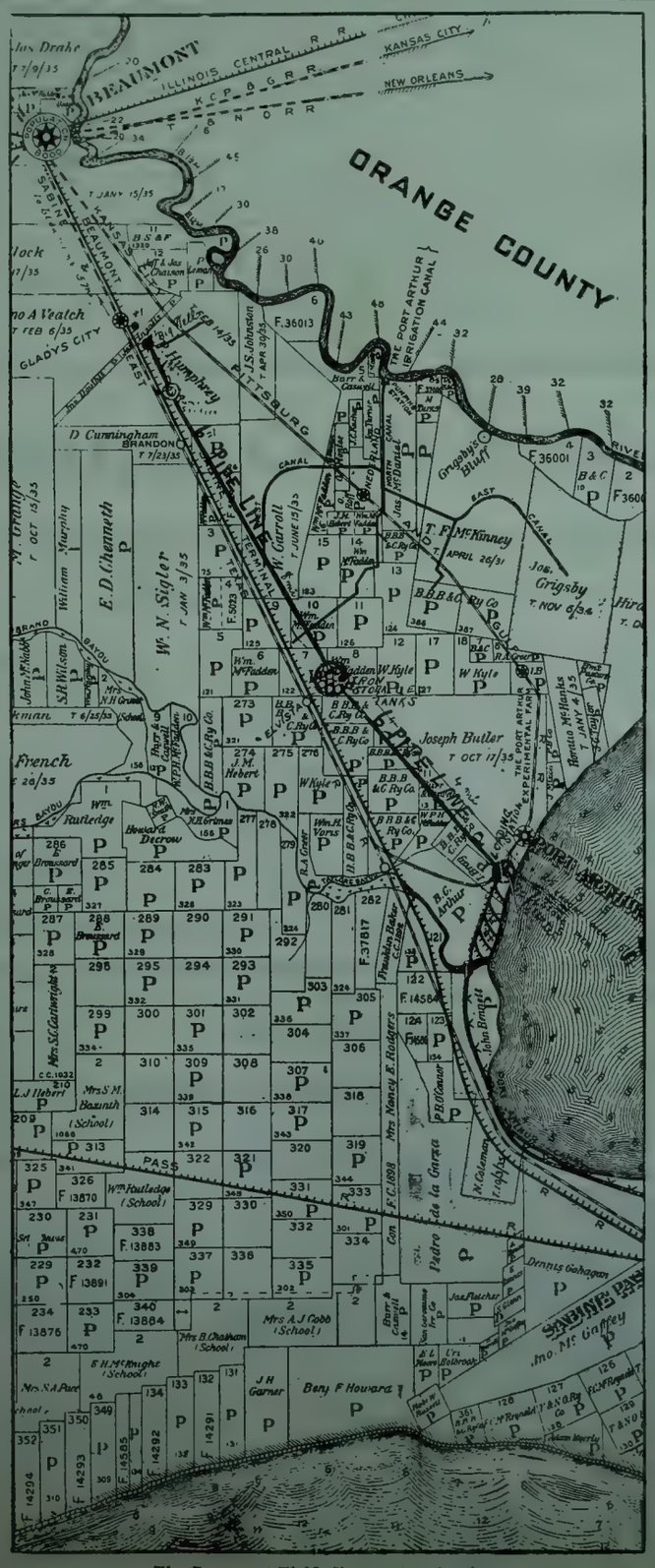
"The result of all these analyses is to show that the Beaumont oil is a typical fuel proposition, with the flashing point (125°—132°) high enough to be perfectly safe to use in its crude state, without the removal of any of the lighter hydrocarbons by distillation, as is always done in the Russian fuel oils.

"But in case it should prove desirable or necessary to reduce the flashing point of the oil, the distillation tests of Dr. Salathe show that after 17.75 per cent of the lighter oils have been distilled off, there will remain 82.25 per cent of fuel oil, with a flashing point of 195° 250°, results that put the fuel character of the oil beyond question.

"Dr. Salathe's results of evaporative tests of this petroleum also emphasize the great fuel value, viz., that while one pound of good coal will evaporate only 10.14 lbs. of water, one pound of Beaumont oil will evaporate 17.31 lbs. (other tests give this as high as 19 91) of water, thus showing an efficiency, as a steam producer, of 71 per cent greater than the best American steam coal, 17 per cent more than Russian petroleum, and 20 per cent more than that from California.

"When the high price of coal (6.12 dollars per ton) in all the West Indian and South American ports is considered, and also that 3½ barrels of Beaumont oil is equivalent in heating power to a ton of coal, the immense financial possibilities of this fuel oil (there are about seven barrels of this oil to the ton, so that one ton of oil should equal two tons of coal) can be imagined.

"In addition to the use for fuel, the Beaumont oil will also find another large field in the manufacture of illuminating gas, for which purpose it will displace coal in all the southern cities and towns.



The Beaumont Field, Texas.—Pet. Review.

"In view of all the facts in the case, the Beaumont oil well would appear to be by far the most important strike of petroleum yet made in the history of the world."

The chemical composition of this oil, which has practically no light constituents, is as follows:

Carbon	85.66 per cent
Hydrogen	11.03 "
Oxygen, Nitrogen and Sulphur	3.31 "

It has a specific gravity of .91, water being taken as 1, and the evaporative power of the oil varies, as stated, between 17.31 pounds of water, with one 1 lb. of petroleum, to 19.91 lbs.

The crude oil yields the following:

Benzine and light oil	3.25 per cent
Kerosene, heavy	14.50 "
Lubricating oil	9.55 "
Heavy fuel oils	72.00 "
Sulphur	0.70 "

These figures are the result of a special analysis obtained by Mr. John Hay, who has, as we before stated, contracted to dispose of the Texas oil in England. The flash test is given (Abel) at 190° F., or 88.7° C. The effective heat units are 10,580.99 per lb. of oil, and the B. T. units 19,047 2.

The chief application of this Texas oil is, therefore, pretty clearly shown to be in the direction of fuel, and as evidence of its excellence for the manufacture of gas it may be mentioned that the Gas company at Houston, U. S. A., have contracted for their whole supply of oil for the manufacture of their Pintsch gas, which is so largely used on the railway lines in America.

Mr. Hay anticipates that so large an available supply of fuel oil being at hand, the demand which is known to exist for oil for fuel purposes in England and elsewhere, will be readily met, as it will he states be possible to place Texas fuel oil on the English market at a much lower price than has been possible before. At the same time, it will place at the disposal of English gas companies a very large supply of a high class of oil for purposes of enriching coal gas.

The advocates of liquid fuel have been unexpectedly assisted in their endeavors to make the adoption of fuel oil general, for, as we have frequently pointed out in our columns, the cost of the oil has been its chief, if not its only drawback, and provided Texas can keep up its supply, there is no reason why the adoption of liquid fuel should not become very wide-spread within a very short space of time.

Since the Lucas well was struck in January, an unrivaled rush to Texas, and especially the territories nearest south and east of the original gusher, has taken place. Many hundreds of thousands of acres have been leased, and operations have been started on a great scale, although most of the fortunes already made have been obtained through purely speculative affairs. The second well was drilled in on March 26th, is located half a mile northeast of the Lucas well; it was owned by the Southwestern Oil company, and its size is said to be about the same as its predecessor. The third strike is No. 2 Gladys, belonging to Guffey & Co., and starting at 700 barrels; the fourth big strike also belongs to this concern, and was reported as being as big as their first one. It is No. 1 on the same tract, owned by the Gladys City Oil Gas and Manufacturing

company and leased to Guffy & Co. Finally the fifth gusher was struck on April 6th, located about 1,800 feet from the Lucas well, and owned by the Higgins Oil company. The greatest actual transaction which has taken place at Beaumont was carried out between the Texas Western Oil company, formerly the Southwestern Oil company, and a syndicate of eastern capitalists headed by R. L. Henry of Chicago, when a tract of land, including the Beatty gusher, the second great strike, was disposed of at $1,250,000. This well is said to have a producing capacity of 70,000 barrels per day, and the deal covers 250,000 acres of oil-bearing lands. The capital stock of the new syndicate will be $5,000,000.

The McFadden well No. 3 was bought in for the J. M. Guffey Petroleum company on May 26th. The oil spouted over the top of the derrick, but was immediately shut off. It is considered a very fine well. Heywood well No. 2 came in the preceding evening and is a magnificent gusher. It is the only eight-inch well in the field and consequently the biggest producer. Tanks of 37,000 barrels capacity are beihg iapidly set up for the storage of the product. A great strike of oil was made at Sour Lake, twenty miles northwest of Beaumont. A well was struck on the 25th in the rear of the Sour Lake hotel and at once became a gusher, flowing 15,000 barrels a day. This new strike, so far from the Beaumont field, has caused renewed excitement all over Texas and a rush to the new district is already on.

Standard Rock Oil Co.

Oil mining is to a certain extent a speculation, but when you invest your money with a sound and safe company, as the Standard Rock, which is locally known as the "reliable and strictly legitimate," then your risk becomes a safe investment and you can look forward to the time when your big dividends will arrive. It is an absolutely assured fact that the PACIFIC OIL REPORTER is the stanchest friend good and bona fide companies have in California, and that the OIL REPORTER would never entertain any proposition from an even doubtful concern nor accept an advertisement. Therefore the public must place a trust in these companies and choose among them as they do when they deposit money in a bank selected from among a dozen well-known firms. The Standard Rock owns eighty acres in Coalinga, near the Home Oil company, within less than two miles, and owns 160 acres in Napa Valley, adjoining the only oil well there in Napa county. With their land in McKittrick it is only a question of how big a well will the Standard Rock get—a 100, 200 or 500-barrel well? They are surrounded by large producers, and are within one-half mile of the S. P. R. R., and can guarantee oil, as they do in the Kern River field. Investors cannot do better than to buy this stock at 20 cents, especially when it becomes known that their contractor will begin drilling inside of three weeks. Promoters are unknown in this company. Out of a capital stock of 300,000 shares, there are 150,000 in the treasury, and the rest was paid for land worth $15,000, at 20 cents per share, which in itself is a remarkable fact. When the first well is completed this stock will be bought readily at 50 cents per share. The Standard Rock prospectus can be had at the company's offices, 475-76 Parrott building, 855 Market street, San Francisco.

Are Jubilant.

The directors of the California Fortune Oil company are jubilant over the result of their first well in 34, 12-24 Sunset district. The oil sand was struck at 550 feet. After drilling to a depth of 600 feet the oil overflowed the casing and drilling was suspended until it should flow itself out. It steadily increased in flow, however, until it was running 200 barrels per day, overflowing the sump hole and necessitating the building of a second reservoir. A ten thousand barrel tank is being erected to tade care of the product of this runaway.

Their second well has passed through the same formations and is in the sand at 560 feet.

A Strong Company.

The Western Oil Association, organized under the laws of South Dakota, is offering a tempting opportunity to prospective oil investors.

The land of this company by lease and purchase, are in the best known oil districts of the state. One of the most valuable of their holdings is in 28-28, Kern River district, where development work will be commenced in a short time. Another piece of property consisting of 5000 acres, recently acquired in the Bitterwater district gives great promise. It was in this district ion an adjoining section that the Nonpareil Oil company made its strike, which beyond proving the existence of oil of a high grade in the district, proves the holdings of the Western Oil Association in the adjoining section, and materially increases their value.

The board of directors at a recent meeting directed the manager to contract for one additional well in the Bitterwater district, and to let further contracts for sinking wells in the various holdings, as in his judgment seemed best.

With their lands well chosen in known districts and the energetic and conservative management which has thus far characterized the operations of the company it should not be long before the Western Oil Association is named among the producers of the state.

London Oil Company

Owns 5,000 Acres Experted Oil Lands

SIX BIG POINTS FOR INVESTORS

Point No. 1 Large acreage, 5000 acres makes a valuable asset for a company to build on in strengthening the safety of the funds intrusted by the investor.

Point No. 2 Five sub-companies are now forming to operate on these lands. Stockholders get the benefits from their operations as they each one pay a portion of their profits to the London Oil company.

Point No. 3 A rig has been ordered by one sub-company, the London-Calistoga, and will be at work drilling this month.

Point No. 4 Over fifty companies are now operating in this Fresno-San Benito district. Experts all agree that much may be expected from this district.

Point No. 5 A pipe-line charter has already been secured to Firebaugh on the San Joaquin river. River boats can take the oil from here, thus entirely eliminating thepossibility of a stagnation of the progress of the district on account of the lack of transportation facilities or thedetriment of exorbitant freight rates. A big pointer.

Point No. 6 Our officers are men of local and national reputation. Mr. C. H. Phillips, president; Hon. J. M. Gleaves, vice-president; Mr. O. A. Lane, secretary and general manager; Hon. James G. Maguire and Mr. C. H. Dunsmoor, directors.

The non-assessable treasury stock of this company is now selling for 50 cents per share. Call or write to the office of the company for prospectus or further information.

LONDON OIL COMPANY Rooms 6 and 7, 8th floor Mills Building, San Francisco, Cal.

OIL

On All Sides of the Arroyo Seco Oil and Development Company's Lands

OIL

Within the last thirty days five companies have struck oil whose property adjoins ours.

Our first well drilling; down 200 feet in two weeks.

Incorporated under the laws of Arizona, which makes the stock of the company absolutely non-assessable.

Capital stock $500,000. 500,000 shares. Par value, $1.00 each. 720 acres of land are located in the famous Arroyo Seco and Veratina Districts of Monterey County, California. Active development work will be started at once. Oil has been struck on all sides of our lands. For a short time stock will be sold at **15c** per share.

Now is the time to invest. Don't wait until the stock gets beyond your reach. Live agents wanted in every town in the United States.

REFERENCES:

First National Bank, S. F. Crocker Woolworth National Bank, S. F. California Petroleum Miners' Association, S. F. "Bonds and Mortgages," Chicago, Ill.

For further information, address

The Arroyo Seco Oil and Development Company was organized to develop lands for oil, and was incorporated on December 27, 1900, under the laws of Arizona. Under those laws the stock is non-assessable, and the private property of its stockholders is exempt from corporate debt. The lands of the company were selected in small tracts in different localities in order to obtain the benefit of the increased value accruing from development of other lands near us by other companies. The property of the company consists of 720 acres situated in Monterey county, California, south and west of the Salinas river, about eight miles from Soledad, in the Arroyo Seco District; in the Veratina and Hames Valley Districts, about seven miles from Bradley; and in the San Ardo District, about five miles from San Ardo. The districts named are school districts, and the towns mentioned are on the coast line of the Southern Pacific Railroad. The land is owned by the company free and clear of all incumbrance. A map of our properties will be cheerfully forwarded on application. On December 31, 1900, the board of directors authorized the sale of 50,000 shares of stock. On January 15, 1901, and before the company's prospectus was issued, most of the stock was already sold. Another 50,000 shares will be offered at a price to be fixed by the board. From these sales it is calculated ample funds will be obtained to complete the work proposed, as herein stated.

H. R. EARLE, Secretary

480-481 PARROTT BUILDING, SAN FRANCISCO.

PACIFIC OIL REPORTER

Published Weekly
The Oil authority of the Pacific Coast
Endorsed By the California Petroleum Miners' Association.

W. B. WINN, Editor and Publisher
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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, MAY 31, 1901.

Mining Bureau Policies.

The new State Mineralogist, Lewis E. Aubury, has got settled in his chair, has reached an understanding with the governor and the board of trustees as to the general lines on which the appropriation for the State Mining Bureau shall be expended during the next two years and has announced the policy and methods he will pursue.

What benefits the petroleum industry will receive from this institution under the new administration is a matter of interest to many and one of considerable general importance to the industrial interests of the state. As far as Mr. Aubury has outlined the prospects it appears that, regarding oil, attention will be mainly or wholly given to new districts to which field assistants will be sent now and then, their reports being promptly published in the form of special bulletins as soon as ready. In Mr. Aubury's opinion the bureau can best aid the industry in this way, the developed and well known districts not needing particular attention.

Stephen W. Bowers has been appointed a field assistant and under Mr. Aubury's direction has gone to investigate the Carrisso Creek district in San Diego county, which has recently attracted much attention. Many thousands of acres of land have been taken up as oil claims, several rigs are drilling and several are preparing to drill. Mr. Bowers will be supposed to prepare a reliable report on the conditions and operations there, including a geological reconoissance of the field, and this will be published as soon as ready. It is likely that similar special reports on other fields will follow. This is the measure and manner of the future work of the State Mining Bureau in the field of the oil industry as it is outlined now.

Mr. Aubury is intelligent, energetic and enterprising, has much executive ability and gives promise of a progressive and practical administration of the bureau. He recognizes the importance of the petroleum resources of the state and will give them a fair share of attention but this industry will not hold the leading place in the attention of the bureau that it did during the late four-year administration of A. S. Cooper. The work and policy of the bureau naturally varies with changes in the office of the State Mineralogist. Up to four years ago the work of the bureau in connection with petroleum was practically comprised in two bulletins by W. L. Watts. The oil industry had not developed its present commanding importance and attention had been mainly given to gold mining. Mr. Cooper had a keen personal interest in oil and proposed to "give it a show." He gave it much attention and his bulletin on "The Genesis of Oil and Asphaltum in California" would have been followed by other bulletins relating to the industry had there not arisen a hostility between the governor and himself which placed the field work of the past two years entirely in Governor Gage's control. He in turn placed its management in the hands of W. L. Watts, whose recent 240-page bulletin No. 19 on "The Oil & Gas Yielding Formations of California" was the chief published result of four years of bureau field work.

Now Mr. Aubury will take up several other lines of work and inaugurate a new policy. He will put ten assistants in the field and will at once begin the preparation of a special bulletin on the copper resources and copper industry of the state. Every county in which copper occurs will be explored and the result will be the first thorough and comprehensive exposition of the subject ever given. Quicksilver, gold dredging, structural materials, etc., will be treated in the same way, the idea being to publish special works on special topics and not to compile a great biennial report giving the results of two years work. It is proposed to give information to the public as soon as gathered, to furnish information of practical and economic rather than scientific value and to make the advertising of the mineral resources of California a leading object. The whole mining industry of the state will welcome a progressive and practical programme like this and will undoubtedly receive great benefits.

It would seem to be unquestionable, however, that the petroleum industry could receive much more real assistance by a policy other than that outlined, and that without getting more than its share of the $30,000 or so a year appropriated for the support of the bureau. Occasional special reports on undeveloped new fields of apparent importance will be good things and appreciated by those interested in those fields. But what the oil industry chiefly needs now, and probably for some time to come, is not help in developing new fields of production, but the development of adequate markets for the present production. Presdeveloped fields could increase their outputs, new developments are widespread and rapid and the great problem is that of consumption.

In its greatly extended use as a fuel lies the future prosperity of the oil industry and if the State Mining Bureau wants to give the industry the most effective aid possible it would seem that this field is chiefly the place for it to expend its energies. If the bureau would turn loose the proper men and get up a report on the fuel values of California oils, the practical results of its use by various consumers, its economies and efficiences as compared with coal, the various methods of burning and the best ones, costs of production, transportation and storage, possibilities of future consumption, the conditions affecting fuel oil, and so on,—if such a bulletin on "California Fuel Oil" were published it would have a far wider demand and help a struggling industry more than all the reports on new fields that will ever appear.

Consumers of fuel oil are rapidly multiplying, but there is little readily available guidance for them. The technology of fuel oil is yet well known to very few in California. It reached its highest and earliest development in Russia and the Russian technical literature of the subject is extensive but few out here know anything about it.

Petroleum has not been extensively used for fuel in the East and few users here know the practices there or elsewhere. Large users of fuel oil here have generally bought one of the patent apparatuses of California inventions and been guided by the inventors or sellers, some of whom know their business well and some do not. The most intelligent consumers here experiment from the start without reference to the solutions of the practical problems involved which have been reached elsewhere in the world. Oil had been a success in Russian locomotives for many years when the Santa Fe company took it up in 1894 and worked out the problem wholly for itself. The superintendents of some of the biggest oil burning plants in San Francisco installed their plants with a neighbor's arrangement for guidance and have changed their practice from time to time according to their own ideas and experiments. In other features of mechanical engineering they have been guided by readily learned established practice. When a power user, especially a small one, turns to oil he probably does so because he hears that so-and-so is saving fifty per cent and gets interested. He is all at sea as to how to go about it but knows that oil must be squirted into his furnaces and he probably follows about the first pointers he gets on inquiry. A short time ago oil was adopted by a big establishment and the jet of flame was directed against the boiler, which has given out by this time if the mistake was not realized. Burning oil is not so simple as burning coal. At this infant stage of the California industry how to burn oil seems as important as how to mill gold and a competent compilation of the scattered and buried information on the subject would greatly smooth the way for a rapid increase in its use.

Petroleum has for many years been a complete success on Russian ships of the Black and Caspian seas, their rivers, and on the Mediterranean and in the Indian ocean. On the Pacific Coast coal is dearer and crude oil cheaper than there, but marine engines are not turned by the incomparable fuel that gluts its greatest port. One will go on a long hunt to learn much about the Russian successes. The Pacific Ocean is undoubtedly one of the great future markets for California fuel oil and a general knowledge of the possibilities and the results elsewhere would probably hasten it thither.

There is a great deal to be learned about California oil in both scientific and practical ways. Analyses, especially ultimate analyses, are comparatively few. It is different from any other oil in the world in its mixture of hydrocarbons and it has a great future in the field of refining, notwithstanding its low percentage of illuminants. What the present large refineries know they keep to themselves and what can be readily learned about the refining industry is little and vague.

New Jersey, after generations of geological and economic study of its mineral resources, is now supporting a bureau chiefly to study the practical and economic possibilities of those resources, including both laboratory tests on a large scale and a compilation of the results already industrially attained. The Texas State University is commissioned to do a somewhat similar work. The best and most detailed information of the methods of drilling, transportation, refining, etc., of Pennsylvania petroleum are to be found in the voluminous reports of the geological survey of that state. Derricks, tools, prices, leases, pipe lines and so on are given minute attention as well as the geology of the oil districts. The California State Mining Bureau has never given attention to these practical features of the oil industry, and they interest oil men more than the age-telling fossils in their sands and shales.

The Mining Bureau cannot be expected to go into all these things deeply or at all, but these facts and observations suggest possibilities and policies which open to the bureau opportunities of giving to the oil industry assistance it most vitally needs. This industry is the foundation of the future industrial property of the state and involves much more than the interests of oil men. Let the bureau be an active force leading and stimulating the industry within its province and possibilities.

Illegal Dividends.

It may not be generally known to oil company promoters, but it is neverteless a fact, that the Penal Code of California makes provision for unlawful dividends paid from the sale of stock and not from the surplus profits accruing in the conduct of the business of a corporation. This meets the operations of such companies as the Eastern Star, Eastern Consolidated, and others, promoted in New York by Pike & Co., which have been paying 2 per cent a month without striking oil. The law reads as follows:

Sec. 560 [Penal Code of California.]—Every director of any stock corporation who concurs in any vote or act of the directors of such corporation, or any of them, by which it is intended, either—

1. To make any dividend, except from the surplus profits arising from the business of the corporation, and in the cases and manner allowed by law; or

2. To divide, withdraw, or in any manner, except as provided by law, pay to the stockholders, or any of them, any part of the capital stock of the corporation; or

3. To discount or receive any note or other evidence of debt in payment of any installment actually called in and required to be paid, or with the intent to provide the means of making such payment; or

4. To receive or discount any note or other evidence of debt, with the intent to enable any stockholder to withdraw any part of the money paid in by him, or his stock; or

5. To receive from any other stock corporation, in exchange for the shares, notes, bonds, or other evidences of debt of their own corporation, shares of the capital stock of such other corporation, or notes, bonds, or other evidences of debt issued by such other corporation—is guilty of a misdemeanor.

SCHOOL FOR OIL MEN.

Instruction in Theory and Practice of Oil Engineering.

Petroleum has reached sufficient importance in the industrial world to secure its recognition in a school called the Petroleum Institute, to be established in London during the coming month. It is expected that this will become a center of the oil industry in England and a place of gathering for all interested in every branch of the trade.

The Institute will be established for the training of gentlemen in every branch of science relating to petroleum, and will include chemical, engineering, and industrial sections. The valuable services of a number of petroleum experts in this country and from abroad will be secured to ensure the successful working of these sections. The Institute will comprise: 1. Chemical and Mechanical Laboratory—Analyses of and experiments with oil and various appliances connected with the industry. 2. Engineering Department—Instruction in boring operations; construction of refineries, and other branches. 3. Permanent Exhibition—Geological strata and oils of various petroleum fields. Appliances used in the production and refining of oils. Methods of transport. Apparatus employed in the general application of petroleum. 4. Library and Reference Department—Works dealing with all aspects and branches of the industry, periodicals, maps, diagrams, etc.

The laboratory will be opened for analytical and experimental work on the 15th of June, 1901. A course of lectures will begin in October, and, as the number of students will be limited, early application for entrance is desirable.

The course of lectures will include the following sections: History of Petroleum—Its discovery in America, Russia, Alsace, Galicia, Hungary, Roumania, and the far east. The Origin and Geology of Petroleum—Classification of geological strata; deposits of coal, lignite, peat, and petroleum. Classification of petroleum deposits. The anticlinal theory. Various theories advocated in regard the formation of petroleum and its deposits. Boring for Petroleum—Historical. Principal drilling systems. Demonstration of boring by the rope and water systems. Physical and Chemical Constitution of Petroleum. Distillation and Refining of Petroleum. Destructive Distillation and Gasification of Petroleum. Uses of Petroleum for Various Purposes. Storage and Conveyance. Application of Petroleum—Lighting, heating, and motive power.

Particulars as to entrance fees, etc., may be obtained from Dr. P. Dvorkovitz, 16 Devonshire Chambers, Bishopsgate Street Without, London, E. C.

In a communication from Prof. Dvorkovitz, the standing of the OIL REPORTER as an authority on oil matters of the Pacific Coast receives due recognition as follows:

"One of the most important auxiliary sections of the Institute will take the form of a Literature Department, containing books and periodicals published in different countries dealing with various branches of the industry, as well as allied subjects. These publications will be constantly read and kept before those prominently associated with the petroleum industry, industrially or scientifically, and I, therefore, trust that you will see your way to placing the Petroleum Institute on your list for receiving regularly your valuable journal."

Oil in British Columbia.

F. C. Wood, the oil expert, now resident in Vancouver for the purpose of going into the oil business, which he expects will shortly be in a more active stage of development, speaking of the possibilities of petroleum in that province, recently said to a Province reporter:

"From the Kootenays to Alaska asphaltum, oil seepage and other indications of petroleum are scattered throughout the hills of British Columbia and Washington.

"The pessimists of today predict that when the great reservoir of oil is tapped by thousands of wells along the oil belt, the production will reach a figure which will be alarming, and which will necessarily glut the market and send oil down to a nominal figure. Now, will facts and figures bear out their statements? Thirty-five years ago similar predictions were made in Pennsylvania and they had the effect of discouraging the industry for several years. But when, fifteen years later, the Quaker state produced 15,000,000 barrels, and the price remained steady, and when in 1891 the state placed upon the market 33,009,000 barrels from her own field without an appreciable diminution in price, the crop of unthinking false prophets of finance, destroyed by the glare of truth, could not be found in the whole region.

"In 1864 the total of the oil production of the United States was 2,116,109 barrels. That was what frightened the pessimists. In 1898 California alone produced 2,257,207 barrels. In the same year the production of the United States was 54,800,000 barrels, and still, strange to say, the consumption kept pace with the demand, and millions were made since the 'bogie man' of the oil market died thirty years before.

"Scientists have established the fact that there is a well defined bituminous belt extending along the Pacific Coast from Mexico far up into British Columbia and Alaska.

"In the state of Washington and in British Columbia, in the absence of any intelligent, persistent efforts, no one can predict with absolute assurance the presence of oil in paying quantities. The presence of oil and gas extensively is shown from the Idaho line on the east to the Pacific Coast on the west. Why should it not be in British Columbia? Have we not the coal measures in abundance, sandstones, shales and other natural indications?"

A correspondent of the San Francisco Chronicle, describing the California oil exhibit at the Buffalo Exposition, says: "The Los Angeles Chamber of Commerce has sent out shamefacedly sixteen bottles of oil, crude and refined. Can anything be more humorous than sixteen poor, puny bottles standing alone to represent one of the greatest enterprises of our state? A Californian is tempted to knock them down in a row and leave our oil industry entirely to the imagination and not a misconception of a farce."

We Have Commenced Operations

DERRICKS ARE BEING ERECTED

In the Heart of the Kern River District

10 Cents Per Share | STOCK NON-ASSESSABLE | 10 Cents Per Share

Rapidity Our Purpose. Dividends Our Aim.

Hurry in your orders. Our stock will soon advance. We have the best Oil Lands in the best districts. Lay the foundation for large and liberal profits.

SIX WELLS CONTRACTED FOR

For further information address

STANDARD CONSOLIDATED OIL AND LAND COMPANY

ROOM 7, HOBART BUILDING, 532 MARKET ST., SAN FRANCISCO.

Desirable Representatives Wanted.

PACIFIC COAST OIL

Recent Developments In Oil In Various Parts of the State.

COLUSA.

A carload of material has arrived for the oil well at the Minor ranch in Bear valley.

The Home Oil company will commence operations Monday next.

The Gibson Oil company has five barrels of oil at the depot ready for shipment.

The Orr and Meracle well out at Harlan's place are at work, having a hole bored down about a hundred feet.

Swain & Baldwin have sold a Standard drilling plant to the Anglo-American Oil company, whose lands are located three miles south of the Knoxville quicksilver mines. Messrs. Fisher of Calistoga, and Pentland of San Francisco, were there with H. L. Swain on Sunday. They went to Guinda on Monday and thence to their land. It is said that steam was to be turned on last Friday.

Colonel L. P. Crane and Judge Bridgford, both of San Francisco, returned from the Nye ranch Tuesday morning, where they have selected 4000 acres of land on which oil prospects are good, and will immediately organize another company, to be known as the Nye Oil Syndicate. Judge Bridgford will be president of the new company. Thirty thousand dollars will be subscribed by those interested with which to begin operations. A drilling rig will be ordered at once and work commenced within a short time.

This is the second company which will commence boring for oil on the Nye ranch within the next few months.

FRESNO.

El Capitan is spudding on its second well.

No. 6 on the Home lease is being cleaned out.

Work on Santa Clara is being pushed vigorously on.

Maine State Oil company is spudding in on its No. 2.

Home Oil company's No. 8 had a small fishing job this week.

It is reported that Roanoke has the big sand at a little less than 800 feet.

Work on Commercial well has been slow for a few days on account of caving.

California Rock Oil company has shut down on their second well at Coalinga.

The Double Eagle Oil company will commence operations on section 33 by July 1st.

Golden State, No. 1, will be completed at an early date, and will evidently be a good well.

The Independent stopped pumping for a few days this week to have machinery overhauled.

Esperanza has closed down for a few days and will probably commence work again next Monday.

Three strings of casing, amounting to nearly two thousand feet, were drawn from Crescent well last week.

Confidence will not drill any more for awhile. Their No. 4 will pump over one hundred and fifty barrels. No. 3 will be cleaned out.

The nine and five-eighths casing in Mercantile No. 1, which had to be taken out the first part of this week, is again in the hole and work on that well has been resumed.

California Oil Fields (Limited) is hauling out lumber and will put four rigs at work at once, two of them in the southeast corner of 21 and two in the northwest corner of 27.

The Fresno-San Francisco is having its rig erected in the northeast corner of its property. Home began last Wednesday and will have the first well drilled by contract.

The tools of El Capitan No. 2 are below the surface of the ground and if that company has the luck which accompanied the drilling of No. 1 they will soon have their second well down to oil sand.

G. W. McNear has announced that he will begin the construction of a pipe line to 31, 19-15 at once. The main line will follow the canon on the W½ of the W½ of 31, crossing the lands of the Coalinga, Standard and El Capitan companies.

The Directors Oil company completed the contract of putting down a well 1200 feet for the Carmelita Oil company of San Francisco last Wednesday. No oil was struck at this depth and the Carmelita will probably have the hole put down still further.

The Producers' Guaranteed is down over 500 feet and progressing nicely. It passed through considerable oil at about 425 feet. The well is forty feet in black shale with now and then a streak of asphalt and a slight showing of oil. With good luck this well will be finished in two weeks, says Superintendent Livermore.

Mercantile Crude has pulled the nine and five-eighths casing in well No. 1 and will put the eleven and five-eighths down further. The company is so pleased with the showing made by the well that it is building a second rig and will start on well No. 2 at once. It was the intention at one time to make this a water well, but this idea has been abandoned and the drilling will be for oil.

New York is bothered with heaving sand. A string of tools were lost in this well recently and the caving was so

Were You Ever Bitten by a Wildcat?

Have you ever bought oil shares from an angel who had land in an oil paradise? Have you learned that he was Satan in the garden and that his lands were a stony hell of lizards, alkali and sand? Have you been robbed of your money by false pretenses?

Have You Dreamed a Dream of Gold and Woke to Ashes and Regret?

Some people are making fortunes in oil. Isn't there a legitimate dot for you? Use the gray matter in your skull. "We are different." For every dollar you put in our company for shares we will give you a Security Bond to secure you against any possible loss. You can borrow on this bond, with it alone for security, if you get hard up and want to pay the assessment charges on stock you may hold in assessment companies

Investigate our proposition; scrutinize our securities; get your faith back; recoup your losses. CALL; talk to us. Thousands have been swindled by the oil jackals, whose sole object is to separate people from their money.

Only Proven Wells Whose Product is Sold Make Dividends Legally Possible

Conservative investors in California oil properties are reaping legitimate fortunes, while advertising highwaymen are deliberately stealing fortunes from their victims. Shall these pirates get any of your hard-earned cash? Or, if they have already done so, WILL THEY UNTIE YOUR PURSE AGAIN?

Millions have been made and millions more can be made in California oil.

USE YOUR BRAINS AS WELL AS YOUR MONEY

If you buy our stock you will find your shares accompanied by a security bond bearing 3 per cent interest, payable semi-annually. Its face value is the face value of the shares purchased. This bond absolutely guarantees your stock against loss. Read what our bondsmen say:

California Safe Deposit & Trust Co.
CAPITAL FULLY PAID UP $1000000
REGISTERED TELEGRAPHIC ADDRESS TRUSTCO
SAN FRANCISCO

SAN FRANCISCO, April 10, 1901.

The Paxton Gold Bond Oil Company, San Francisco, Cal. Gentlemen:

Replying to your communication of 9th inst., we desire to state that every bond issued by the California Home Building Loan Company for the purpose of guaranteeing the par value of the stock of the Paxton Gold Bond Oil Company is protected by first mortgages held in trust by the California Safe Deposit and Trust company to insure the payment of said bonds.

Respectfully yours,

Vice-President and Manager.

CALIFORNIA HOME BUILDING LOAN COMPANY.
Rooms 1406 and 1407, Claus Spreckels Building.

SAN FRANCISCO, April 16, 1901.

To the Paxton Gold Bond Oil Company, San Francisco, Cal. Gentlemen: Every bond issued by the California Home Building Loan company is protected by first mortgages on real estate worth not less than double the amount of the bonds issued. The par value of the notes secured thereby shall at all times exceed the amount of bonds issued by at least 10 per cent. Said mortgages are assigned to, and deposited with the California Safe Deposit & Trust Company, as trustee, and held by them to secure the payment of said bonds.

President.

These bondsmen have Bradstreet's and Dun's highest ratings. IS THERE ANY WILDCAT IN THAT?

The Paxton Gold Bond Oil Company's stockholders share in all dividends, besides draw 3 per cent interest on their invested cash.

Its location (one of them) comprises 40 acres of the famous Ferndale Tract, on the east half of Section 16, T. 21 W., R. 4 N., S. B. base and meridian, in the heart of the Ventura District of the California fields. Our land will easily support 40 wells. Some of our neighbors are the huge rich corporations, such as the Capital Crude, Westlake Rummel, Pacific Coast, Whidden & Dobble, Union Oil Company, the world-famous Bard wells, etc. Over 200 wells surround us. The Ventura field is the most highly developed in the world—560 miles of pipe lines to the ocean, railways and refineries; 195,000 barrels tankage; high gravity oil, worth two to ten times the price of common fuel oil; producing wells 20 years old. It has made several millionaires and will make several more. One 100-barrel well means 17 per cent interest on our entire capitalization. We have contracted to put down four wells within one year.

Have You Any Idle Money? Why Not Invest? You Can't Lose

The Paxton Gold Bond Oil Company is organized under the laws of Arizona; capital stock $500,000, divided into 500,000 shares at $1 each, fully paid and legally non-assessable. It has placed 100,000 shares of its treasury stock upon the market at $1.00 per share, accompanied by a SECURITY BOND BEARING 3 PER CENT INTEREST.

Suppose You Try It Over Again and Go In Right

The number of shares you want and the security bond which protects you against loss will be sent to you with your shares. You take no chance. THE WORST YOU CAN DO IF YOU INVEST IS TO MAKE 3 PER CENT INTEREST AND YOUR CASH RETURNED—THE BEST A FORTUNE.

Remittances may be made direct to the main or branch offices. You see what you are buying. You get what you pay for. You cannot lose. Our security bond is negotiable. It is written in every bond that the holder thereof will be loaned 53 per cent of its value at any time with the bond alone as security.

References as to the value and validity of bond: Pacific Coast Underwriting Co.; California Home Building Loan Co.; California Safe Deposit and Trust Company, all of San Francisco, Cal.: also special reports of Dun and Bradstreet; banks on application.

Send for Prospectus

We are Different

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Branch Office, Paxton, Ill. Chicago Office, 167 Dearborn Street Fifth Floor

great that they could not be fished out. However, a string of casing was put down which slipped by the lost tools very readily and the drill is now working in heavy oil.

KERN.

The Del Rey has been perforated.

Petroleum Center has a well in rich sand on 24, 28-27.

Gray Gander is preparing to drill No. 2 on 7, 28-28, Kern river.

Alva Oil company has found 300 feet of good sand on 29, 28-28.

Gilt Edge Oil company has begun drilling on 6, 11-23, Sunset.

Oregon-Midway now has three wells drilling on 4, 32-23, Midway.

San Joaquin Oil company is keeping four string of tools busy in Kern river.

Usona, lessees of the Bay City, began spudding this week.

The Stockton Midway on SW¼ of 22 is only waiting for water to start up.

The Mountain Boy in Midway is down 400 feet.

The Equality on 21, 28-28, expects to enter the sand this week in its well No. 2.

The Standard is breaking ground in Kern river for several new storage tanks.

The Transfer in Midway is putting in its drive pipe and is making about twenty-five feet a day.

Canfield & Chanslor will put either two or three rigs on 15, 32-23, Midway field, within a short time.

The Sultan, on the NW¼ of 23, Midway, is down 500 feet and making good progress.

The Kern Crude on 24, Midway, has passed through two strata of gas and has fine indications.

The Cassa has been having trouble with its casing, but work at 300 feet is progressing smoothly.

McFadden entered the first sand in well No. 1 at 1080 feet the first of the week.

Eastern Star, on 29, 28-28, has completed two wells and expects to complete another within a week.

Gold Standard No. 2 in 4, 29-28 is reported to be pumping four hundred barrels daily.

Mecca No. 1 is making good progress at 540 feet. The first sand was encountered at the 490 foot mark.

The Bay City in Midway is pumping only enough oil to supply the rigs at work in the field—about forty barrels a day. The oil is of a fine quality and free from sand.

The Producers' Guarantee in Midway has finished its well and as soon as the perforator arrives the value of the well will be known.

Hanford-Fresno-Kern River has finished well No. 2 and has perforated the casing. It is thought that the well is good for 150 barrels.

The Wizard of Kern river will soon begin dropping the drill on section 26, 29-28. A fine water well has just been completed by the company.

Bolena has its well on 19, 28 28, down 100 feet, with encouraging prospects. The company expects to go at least 200 feet more before drilling is completed.

The Bear Flag is making progress on well No. 2, a rate of thirty feet a day. The hole, which is now 1085 feet deep, will be finished at the 1200 foot mark.

The Queen City company has purchased a rig for its holdings in Sunset. Their property adjoins the Jewett & Blodgett property on the north and northwest.

The Olema, which is being drilled in conjunction with the Henrietta on section 19, 28-28, is making good progress at 915 feet. The formations encountered are very encouraging.

A new company of Los Angeles, San Francisco and Bakersfield capitalists is being organized in Los Angeles to do development work in the Kern river and Sunset fields. The company will incorporate for $5,000,000.

The papers filed in the Kern county recorder's office indicate that there is still considerable speculation in lands through the Devils Den country. Many instruments for property in that locality are placed on record.

An effort is being made to induce the directors of the Sunset railroad to pass through the Midway, and a petition to that effect is being circulated and extensively signed.

The Tremont has the lumber and machinery on its holdings on the northwest quarter of 2, 11-24, and carpenters are now at work putting up the derrick and bunk houses. The company will begin spudding as soon as the rig can be put in position.

Owners of property in the northwest of Kern River have not lost confidence in that part of the field, but on the contrary are daily receiving encouragement by new strikes. Nearly every company is prepared to go to a depth of 1500 feet if necessary.

J. H. Carah, President of the California Oil Syndicate, left this week for the companies' holdings in 20, 11-24, Sunset district, where he will superintend the placing of machinery preparatory to drilling their first well.

The Palo Alto Stanford Oil and Development company is preparing to drill on a lease from the Trumbull company on 24, 28-27. Dr. W. C. Scruggs, manager of the company, will personally superintend the development work.

In Henrietta No. 2 the oil stands to the top of the casing and gives off considerable gas. The casing which is now at the 715 foot mark will be landed at 1100 feet. Well No. 1 of the same company is down 930 feet and the third sand has been reached.

The Arcola well in Sunset has not had one of its intermittent flows for about nine weeks. It is flowing steadily and continues to produce heavily, though the casing has not yet been perforated. The company is selling several hundred barrels of the product to neighboring companies for fuel.

The Jolly Joker, a company recently organized by Bakersfield parties, is drilling on section 23, 32-23. Work was begun on the 10th of the month, though since that time there has been several days delay by the breaking of the water pump. The hole is down 259 feet.

The Aladdin, 9, 29-28, has perforated its well. Since the hole has been completed an abundance of gas and oil has been bubbling over the top of the casing. It was thought that the well would flow when perforated and the casing was kept full of water to prevent it from so doing. It has 400 feet of oil sand.

The Hart Crude has started in spudding on property adjoining the Bear Flag. The string of tools which the company will use is four or five hundred pounds heavier than that used by neighboring companies. The oil for fuel will be obtained from the Bear Flag.

The Gould Central, McKittrick, has gone through the first sand, twenty feet thick, and is now working in a clay with indications that the second stratum of oil will soon be reached. The oil in the sand encountered is much lighter than that found in other wells in the district. The drill is now down 750 feet.

In connection with other suits brought by the Occidental Water company to decide its right to lay pipe to furnish water to the Sunset, McKittrick and Midway districts, proceedings have been instituted against the Operators Oil company to have condemned a ten-foot strip of land through and across the SE ¼ of 3, 11 24, and against the Sunset Crude Oil company to have condemned a ten-foot strip over and across the E ½ of 10 11-24.

The directors of the Superior were to have met last week to consider the proposition made a few weeks ago for the purchase of their forty-acre tract on 2, 11-24. According to the statement of the secretary a proposition has been made by Easterners for not only the grounds, but the rigs and all other improvements on the property. It is not known definitely what the proposition will be, but that it is worth entertaining is evidenced by the fact that the company suspended operations till the matter has been considered by the board.

The Mt. Diablo in Midway has struck sand at 570 feet. The well will not be completed at present as it is the intention or the company to enter the first sand on each quarter of the section. Enough oil has been struck in well No. 1 to supply fuel for drilling the three other wells and as soon as a good landing is reached the machinery will be moved to the northeast quarter of the section where hole No. 2 will be sunk. The difficulty that arose a few weeks ago between the Superior Sunset and Mt. Diablo companies, and which was later amicably settled, was over this land on which oil has now been struck.

MONTEREY.

The Salinas Oil and Development company have started upon their No. 2 well after a shut down of thirty days. They are now down 250 feet, and are working two shifts to rush the well to completion.

SANTA CRUZ.

The Crescent Oil company has large holdings and is doing development work in Carpenteria, Santa Barbara County, and also in Santa Cruz near the southern end of the county where it borders on San Benito, Santa Clara and Monterey counties. The company has a well now down nearly 200 feet in Santa Cruz county and the indications are very favorable for a good strike of oil. At a depth of 68 feet the drill went through

Special Announcement

A great many of my clients have been making money by investing in shares of a number of oil companies, the rise in one of which paying for more than the cost of all the balance. Such investments are growing in favor and there is not a day when I don't receive application to furnish an assortment of oil stocks for a certain amount of money.

In order to facilitate such orders I have made up a list of different assortments of oil stocks to begot for amounts set opposite and will so furnish same as below on receipt of money order or draft.

No 1 for $20.
100 shares California Rock Oil.
200 shares Three States.
100 shares Kern River O. & D.
500 shares Pittsburg Con.
100 shares Lone Star.

No. 2 for $30.
100 shares Bachelors.
250 shares Three States.
100 shares London.
150 shares California Rock Oil.
100 shares Lone Star.

No. 3 for $40.
100 shares California Fortune.
100 shares Bachelors.
100 shares Three States.
500 shares Pittsburg Con.
150 shares Kern River O. & D.

No. 4 for $50.
100 shares California Mutual.
100 shares Kern River O. & D.
50 shares Grand Pacific.
100 shares Bachelors.
100 shares Three States.

No. 5 for $60.
100 shares Bachelors.
100 shares Grand Pacific.
500 shares Santa Maria.
100 shares Three States.
500 shares Pittsburg Con.

No. 6 for $75.
100 shares California Mutual.
50 shares Grand Pacific.
50 shares California Fortune.
200 shares California Rock Oil.
500 shares Santa Maria.

No. 7 for $100.
100 shares California Fortune.
200 shares Bachelors.
500 shares Santa Maria.
50 shares Grand Pacific.
500 shares Pittsburg Con.
200 shares Kern River O. & D.
250 shares Three States.
100 shares London.

Orders will be filled in rotation and will receive gratis a copy of the Ready Reference Book, containing the latest information about oil stocks. First come first served.

Orders for any other oil stocks will receive my close attention and will befurnished at lower prices than quoted by anyone else, be he a broker or the company itself. Address all communications to

JOSEPH B. TOPLITZ,

Member Producers' Oil Exchange,

330 Pine Street, San Francisco.

15 feet of oil sand from which three barrels of oil were bailed at one time. The log of the well shows white sand, shale, black sand with some oil, and the drill is now down in the oil sand at a depth of nearly 200 feet, having pierced the oil sand for over forty feet, and oil is following the drill to the surface.

SANTA BARBARA.

Hickey & Robinson this week started the first well on the new Becker wharf.

An asphalt refinery is being built at Summerland, as the Summerland oil is found to be excellent for this purpose.

Frank Churchill is ready to pull the casing on the Loon Point wharf, after which the well will be deepened.

The Churchills finished the first well on the Marine company's wharf Thursday at a depth of 365 feet. It shows up good, with a heavy gas pressure.

No. 4 on the North Star wharf developed into a gusher this week, the oil flowing over the casing. When the pump was put on the well developed a capacity of thirty barrels a day. No. 6 on the wharf was finished Thursday.

Active development goes on at Summerland the same as ever. Two new 400-foot oil wharves have been built during the past month, some new territory explored and found good, other new territory is in course of exploitation, six drilling rigs working night and day, Summerland oil in demand at three times the price paid for it in Bakersfield, and last, but not least, a new asphalt refinery, briefly sums up the situation in the local field.

SAN BENITO.

The Hollister Petroleum Development is drilling with good indications.

A carload of drilling tools has arrived at Tres Pinos for the San Benito Crude Oil company.

The World Oil company has finished a fishing job at which several weeks have been spent.

The Western Oil company will begin developing the oil resources of San Benito County soon. Senator Mitchell of Oregon is president of the company.

The Ashurst company in the Vallecitos, which shut down for a few days recently, has resumed work again, with the veteran Bradfield as head driller.

The Fresno and San Benito company are down about 300 feet, having passed through a small body of sand, and are now in shale. This company will also lay a pipe-line to carry water to the boiler, a distance of one mile.

The Grant Oil company has reached a depth of 1150 feet. So far no casing has been used. The company is now putting in casing. There is a strong flow of gas. The sand pump bringing up a little oil

The Post says the Western Oil Association has purchased 5000 acres of land in Bitterwater district from the Lewis Creek Oil company, of which Messrs. Briggs, Brown, Holbrook, Spencer, Stephenson, McConnell and Saffer are stockholders.

The Pacific Oil company of Little Panoche denies the report to the effect that the company had pulled up all casing and quit work and now has its machinery for sale. The secretary of the company says that the company has closed down pending change of drillers only, and that the prospects are excellent.

The directors of the Hollister Mutual Oil company have organized as follows: President, R. P. Lathrop; vice-president, C. M. Hawkins; secretary, Thomas Murphy; treasurer, Bank of Hollister; W. V. Hollingberry, William Higby, C. H. Wagner and Col. Beane. At a meeting of the directors, held in the town hall, the acts of the directors were confirmed and all expressed a desire to have operations to commence at once. The meeting was harmonious. Everyone was pleased to learn that drilling will begin in thirty days.

VENTURA.

The San Cayetano Oil company is building a new road in Hopper canyon and will begin drilling soon.

The Searchlight Oil company, operating near Devils Gate, in the Sespe Canyon, have a good showing of oil in their well.

The Bardsdale Oil company are now pulling out their eleven and five-eighths casing which is the last string on their well No. 1.

The Central Union Oil company, operating on the Shield's ranch, have been delayed for a few days. The losing of the stem and bit in the hole which they have been successful in fishing out.

The Butts ranch, adjoining the Bardsdale Crude Oil company on the southwest has been leased to some Eastern capitalists, who will commence operation shortly.

Mr. Patterson, of Minnesota, who has leased the Lennon ranch, adjoining the property of the Bardsdale Crude Oil company, has let the contract to F. H. Prather, who is to commence work as soon as rig No. 1 is put in place.

The Bardsdale Crude Oil company are now drilling on No. 3. This company have been finishing up a well almost at the rate of one a month, and have decided to make still better time by running tour on their No. 5. They have almost completed the erection of their large pumping power, which will enable them to put the wells on the pump as they are completed.

Ventura Company.

The new management of the Santa Paula Gravity Oil company is pushing things at a rapid rate and will soon have well No. 1 completed. The price of oil in this locality has raised in the last few days from $1.25 to $1.35 per barrel at the wells and shows good prospects of further raise. This county on account of her high grade oil was not affected by the slump in the oil market and all parties interested are jubilant over the outlook.

The affairs of this company are directly under the control of Ritter & Fuller, an enterprising and reliable firm of brokers in the Mills building and under their guidance substantial results will soon be obtained.

Attention is called to the annual meeting of the members of the California Petroleum Miners' Association to be held at the association office in the Mills Building on Tuesday, June 4, at 2 P. M. New by-laws will be adopted and directors elected for the ensuing year.

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Do you wish to make money? Then be careful and invest only in a sound and safe company! This stock is non-assessable! **Oil guaranteed!**

We are Successful Oil Men; follow us!

Land lies one-half a mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it.

All our neighbors have large producers!

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near Home Oil Company and 160 acres joining an oil well in Napa Valley.

Large dividends certain inside of 8 months.
Extra hours—Sundays, 11:30 to 1 p. m.
Send for prospectus.
Inside of a few weeks 30 cents per share.
Delays cost money.

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475-476 Parrott Building

855 Market St, San Francisco, Cal.

TELEPHONE, SOUTH 488

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For any of the following stocks in any size blocks

630 Famoso O. and I. Co.
1000 Provident Oil Co.
1000 McFadyen Oil Co.
400 Contra Costa O. & P. Co.
2050 Cal. Rock Oil Co.
8750 Three States Oil Co.
1150 Diamond Oil Co.
1000 Bachelor's Oil Co.

62½ Nonpareil Con. Oil Co.
62½ San Ardo Con. Oil Co.
5000 Pacific Petroleum Co.
2500 Eureka Sunset Oil Co.
1000 Oil Land Co.
197 Hollister Crude Oil Co.
1000 Lincoln Oil Co.
5000 Petroleum Oil Co.

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210 Hearst (Examiner) Building, San Francisco, Cal.

PAUL R. LEWIS, Manager and U. S. Government Broker

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending May 29:

CALIFORNIA STANDARD.

1000 at	33	330 00
5500 at	34	1870 00
500 at	32	160 00

HOME OIL.

50 at	3 00	150 00
400 at	3 10	1290 00

HANFORD.

2 at	93 00	186 00
3 at	92 00	276 00

INDEPENDENCE.

500 at	15	75 00
500(B90)at	16	80 00
1000 at	14	140 00

LION.

3000 at	15	450 00
2000 at	16	320 00
1700 at	14	798 00

MONARCH OF ARIZONA.

200 at	44	88 00
500(S15) at	42	210 00

MONTE CRISTO.

200(S30)at	2 20	440 00

PEERLESS.

110 at	8 00	880 00
310 (B90)at	8 50	2555 00

PETROLEUM CENTER.

5000(S90) at	04	200 00
15400 at	05	770 00

STERLING.

340(B90) at	1 70	578 00
100 at	1 65	165 00
240(S60)at	1 60	384 00
565 at	1 60	1004 00

SAN JOAQUIN.

150 at	9 00	1350 00
340(B90)at	9 25	3145 00

WEST SHORE.

100 at	2 55	255 00

TOLTEC.

250 at	55	137 50

TWENTY-EIGHT.

500 at	1 25	625 00

Shares 40,460 Amount $18,911.50

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, May 29:

CALIFORNIA STANDARD.

3700 at	33	1211 00
100 at	34	34 00
1000 at	32	320 00
300 at	30	90 00
500 at	28	140 00

CARIBOU.

1000 at	70	700 00

INDEPENDENCE.

500(B 60) at	16	80 00
1500 at	15	225 00
1000 at	16	160 00
500 at	14	70 00

KERN RIVER.

25 at	11	275 00

LION.

1250 at	15	3900 00
1300 at	14	182 00
1650(B60) at	14	231 00

SAN JOAQUIN.

100 at	9 00	900 00

SOVEREIGN.

100 at	38	38 00
350 at	35	122 50
200 at	34	48 00
50(Cash)at	34	17 00
100 at	29	20 00

STERLING.

150 at	1 60	240 00
100 (B5) at	1 65	165 00
50 (B10)at	1 65	82 50
400 at	1 55	620 00

TWENTY-EIGHT

750 at	1 25	937 50

McKITTRICK.

1000 at	30	300 00

MONARCH OF ARIZONA.

900 at	43	387 00
700 (S30) at	42	294 00
200 at	42	84 00
1750(S30) at	41	717 50
150 at	41	61 50
200(S30) at	40	80 00
500(S15)at	41	205 00
500 (S90) at	40	200 00

FOUR OIL CO.

1000 at	47	470 00

HANFORD.

6 at	92 00	552 00
5 at	93 00	465 00
2 at	93 50	187 00

PEERLESS.

85 at	8 00	680 00
5 at	7 50	28 50
20 at	7 75	155 00
125(B90) at	8 50	1062 50

PETROLEUM CENTER.

18800 at	05	940 00
500 (B90)at	05	25 00
1500 (Cash)	05	75 00
11 at	03	00 33
100 (S 90) at	04	4 00
1215 at	04	48 60

TOLTEC.

400 at	60	240 00

OIL CITY PETROLEUM.

600 at	29	174 00
500 at	28	140 00

BEAR FLAG.

700 at	12	84 00
500 at	13	63 00

HOME OIL.

100 at	3 05	305 00
50 (B90) at	3 20	160 00
75 at	3 25	243 75

OCCIDENTAL OF W. VA.

100 at	59	59 00
200 (B30) at	60	120 00
300 at	58	174 00
50 at	56	28 00
50 at	55	27 50
50 at	57	28 50

JUNCTION.

100 at	31	31 00
200 at	30	60 00

BAY CITY.

200 at	65	130 00

KERN.

50 at	6 25	312 50
50 at	6 12½	306 25
50 at	6 00	300 00

SUNSET.

500 at	20	100 00

WOLVERINE.

100 at	82	82 00
100 at	80	80 00
100 (B 30)at	81	81 00

McKITTRICK CONSOLIDATED.

2000(B90) at	01	20 00

REED CRUDE.

8 at	40	3 20
200 at	47	94 00
100 at	48	48 00
1100 at	47	517 00

MONTE CRISTO.

300 at	2 25	675 00

HANFORD-FRESNO-KERN RIVER.

700 at	06	42 00

WEST SHORE.

100(S30) at	2 30	230 00

Shares 34,573 Amount $21,702.39

The Roll of Success.

The Standard Consolidated Oil and Land company, a strong, progressive and safe company operating on absolutely defined oil lands in this state, has commenced the erection of their derricks in the Kern River district. The rapidity with which this company is working is truly remarkable. Dividends are their aim, and they are working unceasingly to attain this point. An investment in their stock, which they are offering for a short space of time at 10 cents per share, is without doubt a splendid chance for the small investor.

Notice of Annual Meeting.

To the members of the California Petroleum Miners' Association: The annual meeting of the members of the California Petroleum Miners' Association will be held at the office of the company, at room 33, 2nd floor of the Mills Building, in San Francisco, California, on Tuesday, June 4, 1901, at 2 o'clock P. M. of said day, for the purpose of adopting new by-laws, electing directors for the ensuing year, and transacting such other business as may come before the meeting. By order of the president of the board of directors.
Dated May 10, 1901. W. B. SIMMONS, Secy.

WELL-BORING OUTFIT

FOR SALE CHEAP.

SUITABLE FOR WATER OR OIL.

Apply 308 Sacramento street.

SECOND-HAND half-inch steel sand-pump line 400 feet long for sale cheap. Address NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland, or F. CHAPELLET, 214 Pine St., San Francisco.

Alaska Gold Better Than Oil

Casa-de-Paga Placer Mining Co.

A limited amount of Treasury Stock for sale for a few days at 25c. per share.

Call or send for Prospectus.

J. S. EWEN, Sec.,

123 CALIFORNIA STREET, Room 407

San Francisco, Cal.

W. H. Whitton

McKittrick,

Kern Co., Cal.

Oil Lands for Sale and Lease.

Calistoga Oil and Development Company

Owns by Purchase

and holds by long-term leases, in all

2120 Acres of Oil Land

Situated in NINE DISTRICTS in six counties of California. This is a sweeping statement, but our prospectus explains in detail. Write for a copy and carefully analyze our plan. We are the pioneer drillers in Napa County where LUBRICATING OIL is found in numerous springs. Our first well, commenced May 15, 1901, when completed, will put on stock above par. You can buy for a short time a limited amount of stock at 50c.

Procrastination may deny you an income.

Better write to-day.

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330 PINE ST., S. F.

Correspondence invited. Information on oil stocks furnished gratis.

IN HUMBOLDT.

What Oil Men Are Doing in that County.

(Special Correspondence.)

EUREKA, CAL., May 12, 1901.

The oil districts in Humboldt County at present are three in number, viz: Mattole, Upper Mattole, and Briceland. The Mattole district is situated about 50 miles south of Eureka, the county seat. The Upper Mattole district is situated midway between Briceland and Petrolia, about sixteen miles southeast of Petrolia; the Briceland district is about eighteen miles southeast of Upper Mattole. The strike of the oil-bearing sands runs northwest and southeast, the Mattole district being the upper end and the Briceland district the lower. The situation of affairs at present is as follows:

MATTOLE DISTRICT.

A thorough test has been made of the McIntosh well, now down about 1600 feet, which discloses 1300 feet of oil in the well. Pumping will begin on this well during the present week. The Wild Goose well, where the tools were lost at 800 feet, has been abandoned. A derrick has been erected about 100 yards north of the site of the abandoned well, and the drill is now down in the new location about 60 feet. Allan Craig with a crew of men is getting ready to bore on the lands of the Humboldt Refining and Transportation company. Nothing has as yet been done on the Reed well. The derrick is up and the machinery in place to begin work. The Humboldt well, on which work was stopped at 1202 feet during the winter because of of the impossibility of getting in supplies, is getting ready to continue operations.

UPPER MATTOLE DISTRICT.

The Hoagland well on the Etter place, which is down 550 feet, is not being drilled because the tools were lost at that depth. Efforts are being made by the crew under Mr. Hoagland to recover the tools. The machinery is on the ground for the well to be drilled on the Hindley place and operations there will soon begin.

THE BRICELAND DISTRICT.

The Humboldt Petroleum Refining and Transportation company has secured the necessary machinery for the first well at this point, and the same well will be shipped within a few weeks. E. M. Hoagland has leased 2000 acres from the Etter Bros., and will bring in machinery at once via Shelter Cove. Generally speaking the operators in this field are confident of success. The other local companies organized to bore at Arcata, Bear River, and Fortuna have as yet made no visible move to begin preliminary work.

Applying Oil to Streets.

Bakersfield Californian: The work of treating the streets to oil will begin next week, and the first trial will be made on Twentieth street. As before stated this work is contracted for by the city with L. V. de Camp, and the contractor will use the most modern and approved methods. All streets to be treated will first be prepared for the oil which will be applied boiling hot. The oil when sprinkled on the ground is not permitted to lie undisturbed to be packed away on horses' feet and wagon wheels, but is mixed with the soil by a cultivator which follows the sprinkling cart. With this treatment it is not thought there will not be the same complaints that have arisen in Kern City, where the oil is applied cold and without preparing the surface.

Bunting in Santa Cruz.

It is stated that John A. Bunting, the oil operator who has extensive interests in the Kern oil fields, has leased from the Watsonville Coast Oil company 200 acres of the Gaffey ranch.

Bunting's representative, C. J. Young, has made an exhaustive examination of the oil territory of Pajaro Valley. He was satisfied from the surface indications that there is an immense deposit of oil in this field, and the prospect wells of the Watsonville Coast Oil company has only served to strengthen that opinion and confirm his belief in the future of the oil industry in this portion of the state. Acting upon the favorable report of his expert, Mr. Bunting is prepared to commence drilling and work will begin just as soon as he can get his drilling machinery on the ground. Mr. Young, who will superintend the operations, is in Watsonville, and making arrangements to locate during the progress of the work. He is familiar with the oil business, having had over thirteen years experience, and is capable of securing the best results.

Desert Development.

A report from San Bernardino states that Surveyor M. L. Cook has returned from a month's trip over the desert and he says the prospects for oil are good, which news is highly gratifying to the large number of San Bernardino people who are interested in the lease of the Cole & Harris ranch, at which place a Standard rig is to arrive in another week and the work of drilling for oil will commence.

Practically all the land between Victor and Kramer, which is thousands of acres, has been located. At Victor a Standard rig is being erected and before the end of the week it is thought the drill will be at work. This drill, managed by the Magentic Oil company, a stock company composed of people who have large holdings and interests in and around Victor, is to drill a test well. It is thought the drill will not have to go more than 500 or 600 feet before oil is tapped. The well is to be located about five miles west of Victor.

The old prospecting hydraulic drill, erected to test the ground at Hiawatha, where oil was first discovered, is to be replaced by a powerful Standard rig. The Lane & Porter company, also other companies, will send out at a near date, Professor Watts, one of the best known oil experts in the state, to visit the Kramer district in their interest.

Famoso's Famous Record... Special

Two Big Wells in Seventy Days

Dividends Our Object

Well No. 1 finished and pumping
Well No. 2 ready for perforation
Well No. 3 now being drilled

Stock Non-Assessable

Ready to Market Fuel Oil in Quantity.

We have an opportunity to close large contract for sale of oil, but it requires the output of four wells to supply the amount. In order to complete these wells in time to fill the contract we will offer a special block of 15,000 shares of stock at 50c. per share. Remember this will bring you dividends.

For Further Information Address

Famoso Oil and Investment Co.

393 PARROTT BUILDING

SAN FRANCISCO, CAL.

Cable address, "Kainvest."

R. A. Smith, Liverpool, Eng., Liverpool Agent

California Oil Syndicate

INCORPORATED UNDER THE LAWS OF ARIZONA THEREFORE THE STOCK IS ABSOLUTELY NON-ASSESSABLE

Capitalization, $500,000. Par Value of Shares, $1

520 acres of land in three best oil districts in California

Coalinga
McKittrick
Sunset

The company is selling a limited number of shares for development purposes at

25c Per Share

Rooms 486-487 Parrott Bldg.

San Francisco, Cal.

BAKERSFIELD BOOM.

A Reply to a Publication by a Fresno Newspaper.

Bakersfield Californian: The Fresno Republican publishes an article to the effect that Bakersfield's "boom is busted," that the "bottom has fallen out," etc., and says:

"The depression has been quite sudden, and many people who drifted in there during the excitement are now as rapidly drifting out. Of course, it was never supposed to be anything but an uncertain, bird-of-passage sort of population, but things hummed while it lasted."

Yet, it is strange to say, it is the record that the business of the railroads with Bakersfield is much greater than it is with any other city in the valley, Fresno not excluded. And there are many other evidences that Bakersfield is booming along at a rate that bids fair to make the Raisin city look like thirty cents.

There is not a vacant house to be had in the city; the streets show a push and a rush that are strangers to Fresno. Everywhere there is a hustle and activity that if witnessed in the northern city would astonish its denizens. Our electric cars go humming along crowded streets in marked contrast to the "mule power" service in Fresno.

The laying of asphalt blocks continues with unabated vigor, and there are more brick buildings in process of erection or in contemplation than Fresno will dream of in a year. Yes, the "boom is busted," of course, but when the federal census is taken in 1910, there will be a painful surprise in store for our jealous neighbor.

J. W. Harrison, a coal broker, says of the fuel oil supply: It is singular that the coal demand sustains itself so well, when it is known that the deliveries here of fuel oil are so liberal, thus supplanting fully twenty-five per cent of coal consumption. It is very evident that the fuel being utilized this year—in the shape of coal and oil—is considerably larger than any preceding year up to date. Oil is a disturbing element in establishing fuel values, as at the present asking prices there certainly can be no profit to the producers, the principal aim of each company, is not what is the best available price, but who can sell the lowest. The quantity pumped does not justify this sacrifice, but I presume it will continue until there is some unanimity of action, and the control is placed in the hands of intelligent and straightforward managers, instead of merciless wealthy tank owners, who are trading on the pinching moneyed wants of small producers, who are forced to realize.

The shipments of oil from the Coalinga field are very light at present—not over eight carloads per day. Chanslor & Canfield did not ship a carload for three days.

Oil on Steamships.

It has been reported on apparently good authority that President Butler of the California and Oriental Steamship company, plying between San Diego and the Orient, is in favor of oil as a fuel for the transpacific vessels of his line.

"The experiment is not a new or untried one; there have been several boats on the coast which have used the more easily handled liquid fuel for years," said an oil producer.

"The general idea among steamship companies in reference to the desirability of oil is that it is easily handled and easily regulated, but that the burners now in use destroy boilers in a comparatively short while. There does not seem to be so much complaint on this score as formerly.

"It appears that the new burners, atomizing the oil more completely, have done away with this defect, and if this can be proved to the satisfaction of steamship owners, a great field will be opened for oil.

"The liquid fuel offers a great number of advantages over any of its solid competitors. First, in actual cost in proportion to the horse power raised, it is cheaper. Second. it loads itself into the boat's bunkers or tanks by gravity. Third, it feeds itself and does not need to be stoked. One engineer can turn half a hundred jets, enough to regulate the fire to a nicety impossible with coal.

"It has been a wonder to many that the Pacific Coast boats do not all burn oil when at both terminals they can get it from the field. The boiler part of the matter is at fault probably, and when the companies are convinced this is done away with, a new and larger market will open for oil."

A Word of Commendation

The following letter to the Famoso Oil & Investment company shows the estimate given to the stock of this company by a stockholder.

YUBA CITY, CAL., May 22, 1901.

Famoso Oil & Investment Co., San Francisco, Gentlemen: I purchased some of your treasury stock March last, and in April I decided to visit the wells near Bakersfield to learn if possible if the advertisements that had appeared from time to time were true. I am now pleased to say that I found your property better located and more prolific in oil than I expected. The wells were unsurpassed by anything in the field and developments were going on rapidly. My trip assured me of the value of my invest men, and have sent in my order for more stock.

Yours truly,
MACK C. COATS.

The Fresno-San Benito District Association held a meeting on Monday and discussed the matter of constitution and by-laws. Another meeting will be held on Thursday evening of next week.

In Monterey County.

The Arroyo Seco Oil & Development company is one of the ablest and strongest in Monterey county. The are down 250 feet in their first well and are pushing the work to the utmost. Oil has been found in the surrounding sections, which insures the operations of the Arroyo Seco.

This company has money enough at hand to complete two wells.

The secretary of the company, Mr. H. B. Earle, (under whose able management the company has been enabled to commence active operations in record time) reports the progress in the field most satisfactory. Wells will be drilled as rapidly as practicable as it is the purpose of the management to put the company on a dividend paying basis in the shortest space of time.

We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

On May 27 our stock will advance to 25c.

First well completed about June 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed.

Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.

T. A. KIRKPATRICK, Secretary.

HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.

First National Bank of San Francisco, Depository.

A Flowing Well.

Well No. 1 of the RIO BRAVO OIL COMPANY, on reaching the oil sand at 870 feet, spouted to the height of the derrick.

LOW CAPITALIZATION

Company organized on February 14, 1900, under the laws of California, with a capital of $100,000, par value $1 per share. Limited number of shares for further development now on sale at . . . . . .

$2 Per Share

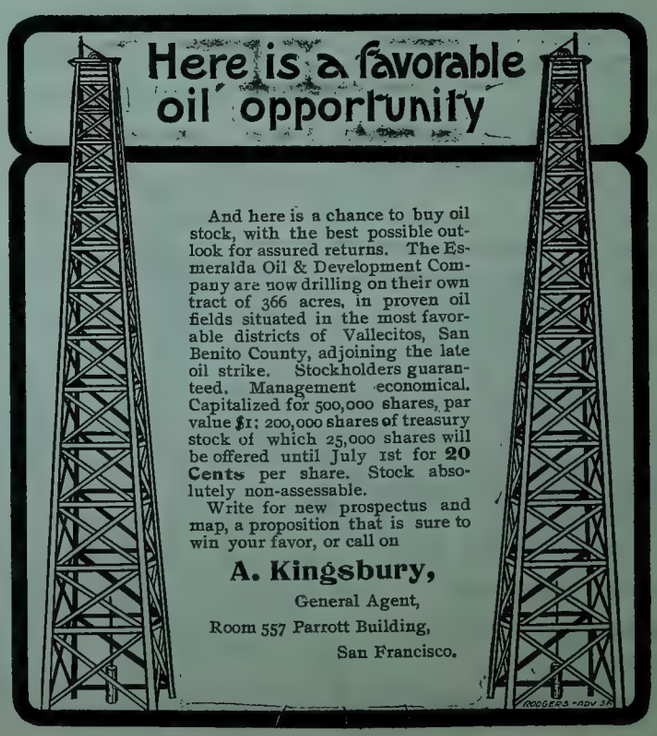
A GUARANTEED INVESTMENT

With the first well in oil, railroad running through the property, under the management of well-known, conservative business men, 80 acres of proven oil land in Sections 8 and 10, 29-28, Kern River District, recommends the investment to conservative investors. . . . . .

Officers and Directors—George L. Dillman, M. A. De Laveaga, William Palmtag, George D. Clark, Thomas Flint Jr. W. C. Graves, Attorney. . . . . .

Office 402 Kearny Street

W. C. GRAVES, Secretary.



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and

Oil Stocks

We have some of the most promising Oil Lands in

KERN, VENTURA AND FRESNO COUNTIES

Which we will dispose of at exceptionally reasonable terms.

We are also prepared to sell stocks in reliable companies operating in California.

Information freely furnished on all matters pertaining to the Oil Industry.

Call on or address:

SHEA & PETERSON

301 HEARST BUILDING

SAN FRANCISCO, CAL.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

Two Good Buys

WESTERN OIL CO. Capital $500,000

OPERATING IN SUNSET DISTRICT

LIMITED NUMBEROF SHARES OF FERED FOR 25 CENTS PER SHAREE

MANCHESTER AND LIVERPOOL OIL CO.

Capital $500,000

OPERATING IN SAN LUIS OBISPO CO.

A FEW THOUSAND SHARES TO BE SOLD AT 25 CNTS PER SHAR.

RELIABLE AGENTS WANTED IN EVERY TOWN.

FOR INFORMATION INQUIRE OF

W. A. FOURNESS

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Lands for lease or sale. Mines and mineral lands.

227-228-229 PARROTT BLDG., SAN FRANCISCO, CAL.

PHONE HOWARD 2491.

Branch office, 314-315 Courrier Building, Los Angeles, Cal.

CAPTAIN OF FUEL OIL.

Points From Fire Marshal Towle's Intimate Experience.

Fire Marshal Towle may well be called one of the captains of the oil industry in San Francisco, for he rules the storage of oil in San Francisco, and he is a constant source of preliminary information to a dozen or so inquirers about fuel oil who go to his office in the City Hall every day.

Under the municipal laws no petroleum flashing under 110 degrees may be used for fuel in this city, and no oil may be stored as such except by special permit by the Board of Supervisors after compliance with all the requirements that the Fire Marshal may impose. One who wishes to use oil for fuel in San Francisco must file an application with the Supervisors. This application is turned over to Mr. Towle, who investigates the location and conditions and prescribes the place and manner of construction of tanks and pipes. Upon his report the Supervisors act. In this sphere he is the ruler. The consumer must also submit a sample of the oil to be used, and flash tests are made by the Marshal before permission to use is given.

His concern and that of the law is entirely protection from danger from fire. While in interior towns this regulation is often absent or slight, in the metropolis it is very rigid. Should a fire reach a simple tank of oil, it might overflow a basement in a burning flood, or, if sufficiently elevated, might send such a flood on a disaster-dealing course down a street. Many large storage tanks of the manufacturing district are naturally near the bay, and a flood of burning oil sweeping along the water front with the tide would do enormous damage.

Hence, besides requiring proper strength and covering, storage tanks are required to be surrounded at a little distance, by strong brick or concrete walls, to confine the oil in case of leak or break. The conditions imposed were given in detail in the PACIFIC OIL REPORTER of April 19 last.

Another danger that Mr. Towle seeks to guard against follows the requirement that the oil shall be drawn from the tank only through a pipe reaching down from the top. As the boilers are generally in the basement on a level with the sunken tank, there is often a possibility of the pipe acting as a siphon, if there is a break or an opening left at the pump, and flooding the basement. Mr. Towle sees that some plan of "bleeding the siphon," by allowing air to enter, is put into effect when the pump is stopped. For the new plants of the Market Street Railway company, Consulting Engineer Stewart has devised an ingenious arrangement by which the throwing of a lever valve, stopping or starting the flow through the pipe, automatically bleeds or closes the siphon. Oil is never allowed to flow to the furnace by gravity on account of this danger. This recalls the fact that over in Oakland an inventor of a cooking stove to use crude oil has secured the necessary force in the heavy oil by putting his tank up on the top of a back porch by his kitchen and letting it run to the fire through the valves his wife operates. The danger is quite evident. Recently a prospective consumer in San Francisco innocently proposed to store his fuel oil in an old water tank on the roof and said that he did it that way in Fresno. Owing to careful regulation no accident due to fuel oil has yet occurred in San Francisco. Only one permit has yet been refused. Storage tanks may not be inside the building and the applicant had no room for it under his sidewalk.

Coalinga oil is wholly barred from San Francisco as fuel because of its low flashing point. Mr. Towle states that the highest he has tested flashed at 60 degrees and one sample flashed at 46 degrees. Often Coalinga oil flashes at any ordinary temperature and to find the flashing point it must be cooled down with ice. The only Coailnga oil entering San Francisco is that used for gas making by the gas company. It is especially valuable for gas making, for which it is largely used, and while a good deal is used for fuel in the state most of it is too volatile for safe use.

As stated, a flash test of 110 degrees is required and none of the heavy oils in use in the city has been found to flash at less than 150 degrees at which point Mr. Towle ends his tests. This official abandoned the usual Tagliabue open cup tester several years ago and uses the Saybolt electric spark cup entirely.

The boom in oil has given the fire marshal a good deal of new work and brought him closely in touch with the use of fuel oil. As a result he has become an enthusiastic believer in it and testifies that its economy as compared with coal amounts to from 50 to 60 per cent. The costs of plants he observes to range from $700 to $1200.

There are now about 80 consumers of fuel oil in San Francisco and the number steadily increases in an encouraging way. Practically all have begun the use within two years and the majority within the past year. Those inquiring about it rapidly multiply also. The majority know little about it, have vaguely heard of its economy and advantages and many constantly go to the fire marshal to ask all about it and learn how to go about using it.

Fuel Oil Permits.

M. H. de Young, the Producers' Oil Storage and Transportation company, the Olympic Salt Water company and the Pacific Coast Syrup company have made application to the supervisors for permission to store and use crude oil for fuel.

More Oil Shipped.

Recent oil discoveries in Texas and on the Pacific Coast lend especial interest to some facts just presented by the Treasury Bureau of Statistics regarding exports of minerals from the United States. These show that the exportations of the fiscal year about to end will probably be the largest in the history of this remarkable industry, which has increased its exports from 204,000,000 gallons of illuminating oil in 1895 to 721,000,000 gallons in 1900. In a quarter of a century from 1876 to 1900, the total value of the mineral oils exported from the United States was about $1,200,000,000, an average of about $48,000,000 a year, and during recent years has averaged about $60,000,000 a year, or $5,000,000 a month.

Oil Companies Incorporated.

ARIZONA.

Golden Star Oil company. Capitalization, $500,000; incorporators, Emilion Lastreto, Otto Schinckel, Jr, John Dieling, T H Horn, J J McCann, N Meyer, W J Borstmann, John Kroger, J H Hutaff of San Francisco.

Belmont Oil & Development company. Capitalization, $500,000; incorporators, W W Moore, John S Trotter, Timothy J Dugan, John W Thompson, C Constant, Henry Murray, William Wilson of San Francisco.

National Oil Refining company. Capitalization, $1,000,000; incorporators, Wilbert S Bartlett of Belmont, Mass, and Fred W Marshall of Sharon, Mass.

Belvedere Oil company. Capitalization, $500,000; incorporators, subscribing in all to seventy shares of stock at $2, E W Potter, F A Bancroft, T W Aisbitt, C H Hoge, P J Keeler, L S Potter, M L Crawford of Los Angeles.

Safe Investment Oil company. Capitalization, $300,000; incorporators, Roy Mauvais, S P Terry, Hiram A Hess, Henry S Stedman, Charles W Brock, Newton C Linsley, James Elliott, Daniel McFeeley, John Seckler, Marion H Richardson, John Legritter of San Francisco.

Gold Bond Security Oil company. Capitalization, $500,000; incorporators, James L Dutton, Rose Dutton, C D Howry of San Francisco.

Stockton Midway Oil company. Capitalization, $500,000; incorporators, F O Gardiner, Fred C Scott, A V Feigh, L W Peart, C A Bernhard of Stockton, Cal.

Vallejo Oil company. Capitalization, $450,000; incorporators, W C Carpenter, C J Rader, H L Sherwood, Richard J Cline of San Francisco Charles R Merriam of San Jose.

Crude Petroleum company of Texas. Capitalization, $600,000; incorporators, F W Blanchard, L V Redpath, W Wettleson, L M Wettleson, Clarence W Blanchard of Los Angeles.

Buena Vista Oil company. Capitalization, $600,000; incorporators, T H Ijams, Erasmus Wilson of Kansas City, Mo, R H Knight, J A Arnold, Walter H Wren of Los Angeles.

Pearl Oil company. Capitalization, $600,000; incorporators same as above.

Arizona Oil & Pipe Line company. Capitalization, $5,000,000; incorporators, William Griffith, F F Ryan, E J Trippel, Frank M King and H C Chapin. This is a Tucson corporation and seeks development of 2000 acres of "oil land" in Sabino Canyon, near Tucson.

Unity Oil & Mineral company. Capitalization, $1,000,000; incorporators, W B Langley, C D Sweetland, R H Kelly of Chicago.

Starry Flag Oil company. Capitalization, $200,000; incorporators, Charles P Lapp, D Gulich, Charles Leonhardt, Samuel Lovench, William Mitchell, J C Green of San Francisco.

Golden Gate Oil company. Capitalization, $1,000,000; incorporators, Robert G Giles, Ely P Hubbell, William C Fitzsimmons, of Cleveland, O.

Tempe Oil company. Capitalization, $500,000; incorporators, S Herlick, William E Mullen, E A Murphy, H L Warner, H Herlick, A Neilson, E S Turner, B A Fickas of Phoenix, and Tempe, Ariz. The company will bore for oil near Tempe.

Syracuse Oil company. Capitalization, $50,000; incorporators, H L Sherwood, W C Carpenter, O G Myers, R H Smith of San Francisco, C R Merriam of San Jose.

Gold Thread Oil company. Capitalization, $1,000,000; incorporators, G R Weeks, A A Sames, C M Newton, W T Sames of Los Angeles.

Lakolusa Oil company. Capitalization, $500,000; incorporators, E S Ciprico, L E Stanton, William Wankowski, C C Walsh, P W Rochester, W F Branen of San Francisco.

Oakland Oil company. Capitalization, $500,000; incorporators, W Laymance, E E Laymance, G A Stevens, E C Robinson, H A Luttrell of Oakland, Cal.

California Consolidated Crude Oil company. Capitalization, $1,000,000; incorporators, A B Bennison, J J Meyers, C L Moore, William Dienbacher, H W Sloan of San Francisco.

Occidental-Ware Oil company. Capitalization, $500,000; incorporators, J F Parker, H E Irish, W H Bias, L H Wesendorff, F J Catterlin of Santa Cruz, Cal.

Determination Oil company. Capitalization, $1,000,000; incorporators, E G Brisbie and others of Shasta county, Cal.

Kern Treasure Oil company. Capitalization, $500,000; incorporators, H A Melvin, P Young, C M Orr, O A Foster, J H Manor of San Francisco.

Rothschilds Oil company. Capitalization, $350,000; incorporators, B Shapin, J A Lohgan and others of San Francisco.

Boston-Monterey Oil company. Capitalization, $1,000,000; incorporators, Charles S Reinhart, E B Marsh, G S Weyman of Monterey.

Kern Crown Oil company. Capitalization, $150,000; incorporators, T L Moran, Mabel C Benson, M H Yost, J W Ahern of San Francisco.

Occidental-Welch Oil company. Capitalization, $500,000; incorporators, H A Spencer, L B Wilson, and others of San Jose, Cal.

Western Oil Association. Capitalization, $500,000; incorporators, Z S Cather, W V Doughty H F Peart of San Francisco, and A A Webber and Harry D Webber of Fresno.

Specific Gravity.

There are two ways of defining the gravity of oil; one is the decimal expression of actual comparison in weight with water, and the other is a scale of degrees, placed upon a hydrometer and the depth to which this instrument sinks in the fluid is named as the degree of gravity. The Baume scale is generally used in this country. The hydrometer, which is made to float in an upright position, is marked 10 degrees at the point it sinks in pure water at the temperature of 60 degrees Fahrenheit. In lighter fluids at the same temperature it sinks farther and is graduated up to the requirements of the very lightest liquids. All weights are compared with pure water, which is the most common and accurate standard. Ten degrees Baume is the indicated weight of water which is unity, or 1.20 degrees Baume is a trifle more than nine-tenths the weight of water (0.9333). An American gallon of distilled water weighs 8.33 pounds, The following table shows the actual weights of liquids of various gravities at 60 degrees Fahrenheit. They are not mathematically exact, but are accepted as near enough for commercial use:

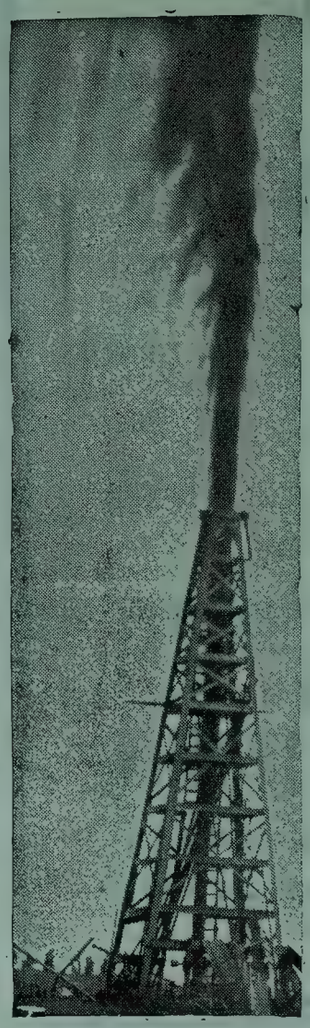
Degrees, Baume.	Specific Gravity.	Weight. Gallon.
10	1. (water)	8.33 lbs.
20	0.9333	7.78 lbs.
30	0.8750	7.29 lbs.
40	0.8235	6.86 lbs.
50	0.7777	6.48 lbs.
60	0.7368	6.14 lbs.
70	0.7000	5 83 lbs.
80	0.6666	5.55 lbs.
90	0.6222	5.30 lbs.
100	0.7087	5.22 lbs.

To find the actual ratio of gravity, when only the hydrometer test is known, a simple rule is to divide 140 by 130 plus the number of degrees. Thus, 140 divided by (130 plus 20) equals 0.9333, the specific gravity at 20 degrees Baume. To determine the degrees when the specific gravity is known, divide 140 by the specific gravity and subtract 130. Thus (140 divided by 0.9333) minus 130 equals 20.

It will be seen therefore that when any oil is mentioned as being of, say, .9218, as the Texas product, that is its actual weight compared with water, the Baume scale would show about 22 degrees, the the former being its actual ratio of weight compared with water, and the latter simply the hydrometer scale indication.—Petroleum Gazette.

SOUTH DAKOTA CHARTERS, $30
STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

OIL STOCKS and Lands



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PHONE, BUSH 240.

Gould Central Oil Company

Nine Square Miles of Oil Lands

In the McKittrick and Temblor Districts, Kern County, Cal.

The Gould Central Oil Company has acquired 3800 additional acres of oil land in the immediate vicinity of its already large holdings in the McKittrick and Temblor Districts, Kern county, and now has 5720 acres along the main oil belt from McKittrick to Devil's Den. Is now drilling with its own plant Well No. 2 on the NE¼ of section 18, 29-21, McKittrick District. A limited number of shares offered for sale at 20 cents each. Full prospectus furnished on application.
San Francisco office rooms 33-34 Alliance Building, 416-418 California street.

F. M. GRAHAM, President. DR. C. H. HAILSTONE, Secretary

GRAHAM, HAILSTONE & CO.

General Agents for the sale of Stock in the Occidental Oil Company and all of its Sub-Companies.

Offices, 470-471-472 Parrott Building, San Francisco. Telephone, Mint 716.

All stocks are non-assessable. Oil is guaranteed.

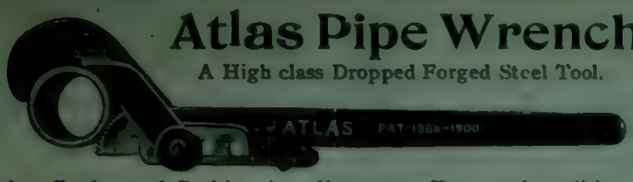
Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares — Par Value $1.00 per Share

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at 25 CENTS PER SHARE. Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco



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A High class Dropped Forged Steel Tool.

Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

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OIL STORAGE & WAGON TANKS

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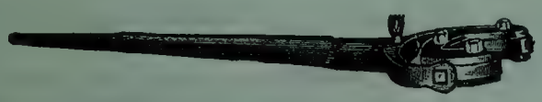
Telephone, Main 196. Baker Block. Station C

Office, 334 North Main Street, Los Angeles. Cal.

The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem boxes



Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessary to have one of these wrenches for all sized bits You simply change the top plates, which have different size squares to suit different size bits.

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OIL & GAS WELL - - - - RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

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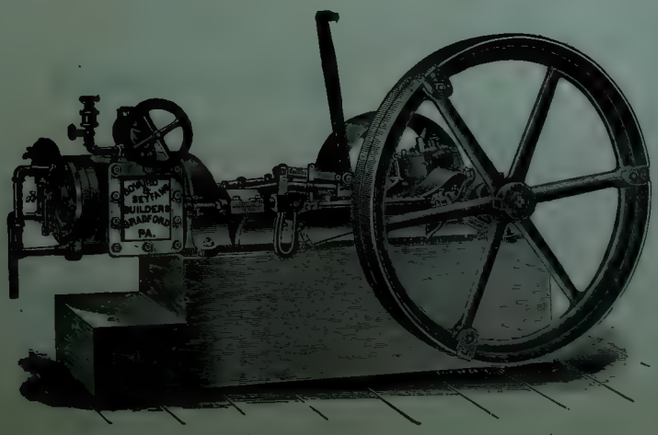

Oil Well Drilling Engine.

Parke & Lacy Co.

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OIL WELL DRILLING MACHINERY

TOOLS AND SUPPLIES

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OIL DIRECTORY

Leading Companies Now Operating in California.

ALMOTA OIL MINING COMPANY. Incorporated July 14, 1900. Capital, $250,000. Number of shares, 250,000. Land, 160 acres in the McKittrick district, Kern county. Officers and directors—C. Hunsaker, president, P. S. Montague, vice-president, E. D. Dement, secretary and treasurer, John T. Washington, S. Hallowell. Depository, Anglo-Californian Bank. Office, 456 Parrott building San Francisco. Telephone, South 795. Agents wanted.

BONITA OIL, CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francsco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL, MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL, COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL, & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL, CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL, CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GR AND PACIFIC OIL CO.
Capital.....$1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in MKcittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL, LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

JUANITA OIL, COMPANY. Incorporated March 20, 1900. Capital, $10,000,000. Lands, 1100 acres in McKittrick District, 17 lots in Summerland, under lease, and owned in fee simple, valuable real estate in San Diego, Riverside and San Bernardino Counties; also valuable leaseholds in Santa Barbara and San Luis Obispo Counties. Asphaltum for sale in quantities to suit. Officers and directors—President, B A Stephens; Vice-President, W M Richards; Secretary and Treasurer W W Benchley; W H Mason; H A Unruh, H H Blakeslee; A. E. Putnam, attorney. Place of business, Los Angeles. Stock issued fully paid up and non-assessable. Stock has advanced to 10 cents per share; will be twenty-five cents by May 1st. 4 wells drilling, 6 wells contracted for. Call or write to W M Richards, vice-president, 638 Market street, San Francisco.

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 608 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. P. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL, COMPANY.
Capital.....$200.000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig,
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL, DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acrez.
Officers: Dr J L Roberts, president; J B S Malty, vice-president; J F Moore, secretary; D J boughton. treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL, CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and, Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SUPERIOR OIL, COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

SAN ARDO CONSOLIDATED OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: San Ardo district, Monterey county 320 acres, townships 22 S., range 9 E., and 22 S. range 10 E.
Officers and Directors—President, G. W. Fletcher, vice-president, J. S. Foulds, treasurer, B. A. Worthington. H. J. Small, E. E. Wade, A. W. Colver, E. C. Newell.
Office—Room 9, second floor, Mills building, San Francisco, Cal

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River. district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, Jonn R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn. W. W. Hutchinson-Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL, AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, lCal,

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
Location: SW¼ of NE¼ 7, 28-28 M D B and M Kern River district.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; J H Edson, manager; Union Trust company, treasurer; W E Robinson, Springfield, Ill., J H Edson, Oakland, Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
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WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office—552 Parrott building, San Francisco, Cal

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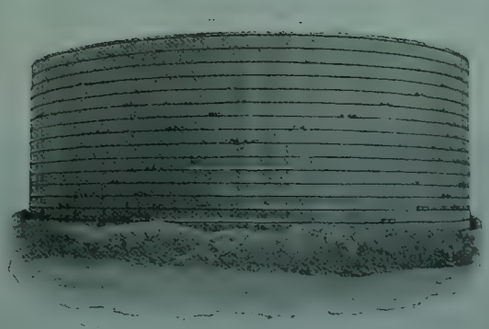

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VOLUME 2 NUMBER 31

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, JUNE 7, 1901.

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Land lies one-half a mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick.

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PACIFIC OIL REPORTER

Vol. 2. No. 31. SAN FRANCISCO, CAL., FRIDAY, JUNE 7, 1901. Price, Ten Cents

NEW WORK IN THE NORTH.

Progress of Development in the Sacramento Valley Field.

Colusa, Napa and Yolo Counties Likely to Come to the Front as Producing Districts Soon—Advantages of Cheap Transportation and High Grade Oil.

Where in California can we look for high-grade oil?

The oils of southern California are essentially asphaltic oils; that is, when the lighter products such as gasoline, benzine, kerosene distillate and lubricating stock are driven off by distillation or heating in a closed retort, the residue is asphaltum or coke, and all such oils are said to have an asphalt base. Such oils are suitable for fuel chiefly, though a small percentage of illuminating oil is obtained from the lighter ones. But the oil of Northern California, as found so far in small quantities in Colusa and Humboldt counties, seem, as far as their nature has been determined, to leave little or no asphalt residue, but instead a paraffine wax like the Eastern oil used for illuminating purposes. For this reason it has been thought that if oil could be secured in paying quantities in this section, that it would be much more valuable than the southern oils, and as the demand for this kind of oil is practically unlimited it would not be affected by the same conditions which are so depressing at the present time. Science has borne out this belief by giving the Colusa oil-bearing strata an earlier geological period, that of the Cretaceous, than any of the other California oils, which are all from the most recent or Tertiary formation, and the Colusa field contains strata more nearly approaching in geological age the Devonian of the Pennsylvania fields.

Accordingly the oil indications have been looked after eagerly by oil men. The seepages, which are abundant along the foothills of the Coast Range, have attracted attention from a very early date. Away back in 1865, so tradition runs, during the exciting final days of the Civil War, a band of men who were in temporary exile in the hills on account of their political views, put in their time by running a tunnel for 125 feet in the hillside on section 18, 15-4, and found gas and some oil. Later on a well was drilled in the Stovall-Wilcoxson pasture in section 18 (see illustration) to a depth of two hundred and fifty feet. At the present time this well produces water and combustible gas. This well is located about a mile east of the Mountain House, and a short distance south of the wells now being drilled by the Colusa County Oil Company (Orr & Meracle) and the Home Oil Company of Williams on section 16, three-fourths of a mile distant. An oil seepage a short distance back in the hills determined the prospectors to locate their well at this point, and the Colusa County is now down 125 feet. The Home Oil company, a local corporation composed of business men of Williams, had steam up Saturday and began drilling the first of the week.

There is another old well on section 32, known as the Salt Creek well, which still produces oil and gas. About a mile southeast from here Orr & Meracle have located another well, for which the contract to build the derrick was closed Monday of this week. A few miles back in the hills the Bear Valley and Grizzly Bear have holdings awaiting development. This section of territory is peculiarly well situated as regards shipping facilities, being only 20 miles from the Sacramento River, with 850 feet fall, furnishes an ideal pipe-line location with river transportation. Williams, twelve miles distant, furnishes a railroad shipping point where favorable rates can be secured as a result of water competition.

Southeast from the locations of the Colusa County and Home companies are the Smith & Gorrill wells, three in number, each said to be about 800 feet deep. F. M. Smith of Oakland, the borax magnate, is interested in this enterprise. Oil was struck in the first two wells, but the quantity is is not known as the wells were spoiled. It is reported that difficulty in shutting off the water is the real cause of the trouble, but the perseverance of the operators indicates that they have had sufficient encouragement to justify continuance of work. The Alhambra, Colusa Consolidated, Weinstock & Lubin, and Rice-Miller Oil companies have extensive holdings along this anticlinal. To the westward of the Gorrill wells, in section 21, 14-5, and neighboring sections is the Bear Creek district. Here is located the Gibson oil spring, or "gusher," so-called, which attracted considerable attention about the first of the year. From this spring a five-gallon can was filled with oil and water in fifteen seconds, the water containing one quart of oil, so that a pro rata estimate

An Old-Time Oil Well of 1865 in Colusa County, near where Colusa County Oil Company is now Drilling.

Rig of the Colusa County Oil Co. (Orr & Meracle,) in the Paraffine Oil Belt of Colusa County. This is now 125 Feet Deep and Going Down. The Excellent County Road is in the Foreground.

Standard Rig of the Anglo-American Oil Company, sections 14 and 15, Tp. 4 N., R. 11 E., near Knoxville, Napa County. This company commenced drilling operations last week. The rig is located about two miles from the Knoxville Quicksilver Mine, where oil seeps from the shale in 400-foot level and is used to lubricate the machinery.

would give an output of thirty barrels per day. Like other measurements of this kind, this is probably an outside figure. Two three-hundred-barrel tanks have been set up and oil and water run into them to swell the wood, but no systematic effort has been made to collect the oil, so that an accurate estimate of the output is impracticable. The water has been restrained by a dam, and the pressure checks the flow of oil. The company now has a rig on the site chosen near the water tanks, about 150 feet down the hill from the spring, and expects to have the derrick up and drilling begun in about ten days.

On section 35, same township, the Herron Oil company of Los Angeles drilled a well 800 feet deep, of which 100 feet was in serpentine and the rest shale. A little oil was found, but the well was abandoned and the company moved their rig and are now ready to drill again at their new location on 17, a short distance across Bear Creek, about a mile west of the Gibson spring.

In this township, 14-5, petroleum was found in 1896 oozing from the rocks, writes W. L. Watts of the State Mining Bureau, on land owned by Shearer and by Long & Sons of Williams. The general character of the formation exposed along Bear Creek is shale and sandstone, with thin strata of impure limestone. A few fossils indicated the rocks to have been deposited in the Cretaceous period. In many places the stratified rocks show metamorphic action. The summits of the adjacent hills, especially to the west of Bear Creek, consists of serpentine and on the flanks of the hills the stratified rocks are much obscured by blocks of serpentine and earth.

The first oil seepage is near the SE corner of section 21, in the bed of a little creek emptying into Bear Creek. The dip of the stratified rocks here is N 50° E, and the angle of inclination is about 70°. At several places in the bed of Bear Creek, and for a distance of about a half a mile below the mouth of Sulphur Creek, strata of shale and sandstone are exposed. They dip N 50° E and N 60° E, at an angle of from 50° to 80°.

A short distance south of the SE corner of the SW ¼ of the NW ¼ of section 27, 14-5, Bear Creek crosses an anticlinal axis. The dip of the formation is S 25° W and N 25° E at an angle of about 70°. At and near the axis there is a slight showing of oil in the creek.

Farther down Bear Creek, the formation is shale; it is much crushed, and small quantities of oil are said to exude from it in hot weather. Near the NE corner of the SW ¼ of section 27, Bear Creek has cut through a thick stratum of sandstone. This stratum is the source of several springs of sulphureted water, on the surface of which a small quantity of oil was floating.

It is said that many years ago a six-inch well was sunk to a depth of 200 feet in sandstone, and that it yielded more than 1 barrel of oil a day. In December, 1896, this well was full of sulphureted water, on the surface of which there was a slight showing of oil.

The above-mentioned sandstone stratum is much fractured, and, except it is broken by a fault, the dip is about S 30° E, at an angle of 75°.

Another seepage of oil was observed in the creek-bed, in the NE ¼ of section 34. At this point the formation is sandstone, and the angle of the dip decreases about 35°. It is said that a small amount of coal is found in this sandstone.

A short distance farther southward the sandstone dips to the northeast at an angle of about 85°. Farther down Bear Creek the exposed rocks are for the most part serpentine. As this creek enters section 35, it has a general course of about S 80° E, and the rocks are obscured by earth and drift.

Still farther down Bear Creek, near the SE corner of section 35, strata of sandstone and impure limestone dip N 23° E at an angle of about 70°, and gas bubbles up in the creek at several places. Near the SE corner of section 35, there are seepages of petroleum, and some work, consisting of open cuts, pits and tunnels, has been done by Mr. J. P. Rathburn of the village of Williams. Most of these workings are in the serpentine drift which covers the stratified rocks. From one of these openings a small quantity of petroleum and mineral water was running into a trough. Samples of petroleum were obtained from this trough, and from the surface of the water which had collected in the workings. The petroleum in the trough had been exposed to the weather for a long time, and had thrown down a flocculent precipitate, resembling the sludge found in petroleum from other localities. No signs of asphaltum were seen on Bear Creek.

Erecting two Tanks (12,600 Gals. each) to Hold the Natural Lubricating Oil which Flows from the Gibson Oil Spring, Bear Creek District, Colusa County.

Keystone Rig of the Calistoga O. & D. Company on the site of its first development Work near Calistoga, Napa County. The first rig in the county.

The Colusa Consolidated Oil and Refinery company has 4400 acres about seven miles from Arbuckle, and only a short distance from the Gorrill well. There are many oil seepages and natural gas vents in various parts of this property, the oil being of a very fine grade suitable for refining purposes. It is the intention of the company to erect a refinery when oil is struck in paying quantities and thus enable them to handle their distilates, and also be a means of considerable income from refining the product of the surrounding country. Prof. Wm. Irelan, Jr., Ex-State Mineralogist and Ex-State Engineer, has recently made an examination and favorable report of these lands. The company is capitalized for $500,000, par value $1 per share. The officers and directors are as follows: W. D. Holcum, President; R. W. Snow, Vice President; W. M. Stover, Secretary; George B. Warren, D. W. Sutherland, W. J. Clark, directors; John H. Durst, Attorney; Prof. Wm. Irelan, Jr., E. M., Director of active operations; Crocker Woolworth National Bank of San Francisco, Depository; office, 630 Market street, San Francisco, Cal.

Calistoga Oil & Development company which was incorporated February 23, 1901, takes its name from the town of Calistoga, north of which it has a ninety-three year lease on 380 acres in section 13, township 9 north, range 7 west, M. D. B. and M.

On the 15th of May, 1901, the company began drilling on section 13, being the first to start actual operations in Napa county. At the present date they have reached approximately two hundred feet. The log of the well shows clay and limestone formation, through which the drill has passed without difficulty, but of such firm character as to perfectly seal up at a probable depth of 400 or 500 feet from the surface, the oil deposits which are there beyond any question.

The presence of oil has been noted on section 13 for a number of years past as one of the springs on the property, at certain seasons of the year gave out a considerable quantity of live oil. The analysis of this exudation indicates a very high percent of lubricating oil, and it is believed that the oil bearing strata will be entered at about the depth mentioned above.

In the Knoxville district 120 acres are held on development proposition, eighty acres of which are in section 10, the remaining forty acres in section 16 of township 11 north, range 4 west. Four forty-acre pieces variously located in Berryessa valley, are held on a 12½ per cent royalty with a provision to develop one piece each year.

In Yolo county the company owns 160 acres, being the southwest quarter of section 10, township 12 north, range 4 west. Two weeks from the time of purchase the com-

COLUSA CO
YOLO CO
NAPA CO
FAIRFIELD CO
GIBSON OIL CO
SULPHUR CK
COLUSA CONSOLIDATED OIL CO.
RICE MILLER OIL CO
BEAR CREEK
SANDS CREEK
GORILLE & SMITH CO
KING OIL CO.
BLUE JACKET OIL CO.
CACHE CREEK
GUINDE OIL CO
YOLO OIL CO
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RUMSEY
HUDSON OIL CO.
WOODLAND OIL CO.
CAPAY
KNOXVILLE
GUINDA
GOLDEN EAGLE OIL CO
ANGLO AMERICAN OIL CO.
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VALLEY
TANCRED
PUTAH CREEK
BERRYESSA VALLEY
CADAMASA
CAPAY OIL CO
MT. SHASTA OIL CO
BUFFALO OIL CO.
T 14 N
T 13 N
T 12 N
T 11 N
T 10 N
5 W.
4 W.
3 W.

pany were offered ten times the amount they had paid for the land, which was refused.

The company has in all, by direct ownership and long-term lease, 2120 acres, distributed in nine districts, in six counties, in California. The accompanying photograph was taken by the vice-president and manager, Mr. R. B. Todd, showing the Keystone driller on site of its first work at Calistoga.

The office of the company is in the Merchants' Exchange, rooms 23 and 24, where a prospectus can be obtained upon application.

Work in Napa county, both in the Calistoga and Knoxville districts, will be pushed with all speed possible, and interesting developments are looked for in the near future.

Almost directly south of the Bear Creek field, lying over the range in Napa county, is the holdings of the Anglo-American. This company, which began to drill last Thursday with a Standard rig, is now down about sixty feet. The Knoxville mine, only two and one-half miles distant, has a seepage of about a barrel a day on the 400-foot level. The dip of the formation is 30° to 65°, strike N 20° W.

This company's holdings of 480 acres in Napa and 120 in Yolo have lately been increased by the 160 acres of the Guinda Oil company in Colusa. This territory has only been developed so far by road-building, but is considered very promising. The formation in Colusa is sandstone and shale, and differs from the formation of Napa, which on this company's property is exclusively shale, there being no serpentine within several miles. Samples of oil from this property have been subject to the following

ANALYSIS.

One thousand volumes of the oil, freed from water, will weigh 961 parts; and this volume and weight we subject to fractional distillation, with the result shown below:

Degrees Fahr.	Volume of Distillate	Specific Gravity	Degrees Baume	Weight in parts of Distillate
509 to 518	204.3	.961	22	118.16
518 to 572	141.7	.923	21⅛	130.79
572 to 680	49.0	.930	20⅞	45.57
From 680 up	327.0	.9495	17⅞	310.38
gradually to	174.5	.974	13⅞	170.06
dull red heat	54.5	1.014	2	55.26

(This last product is a thick, vaseline-like compound.)

Hard, brittle, resinous material	12.5		12.5
Coke	18.5		18.48
Ash	2.		2.
Gas and loss	17.		27.86
	1000.		961.

The base is found to be paraffine, differing from the oil of the southern portion of California, which is usually of an asphalt base.

The high commercial value of the oil analyzed is due to its rich qualities as a lubricant, a first-class cylinder oil being obtainable from it, besides other valuable products.

The calorific value of the oil analyzed is found to be 22,375 British Thermal Units, and the theoretical evaporative power is such that at a pressure of 8 atmospheres 1 lb. will evaporate 17.2 lbs. of water.

One barrel of 42 gallons of this oil willweigh 338½ lbs.

The component parts of this oil are put to wide commercial use, and with an absence of sulphur it can be readily refined.

As to the lubricating qualities of the oil, a practical illustration is given at the quicksilver mines, situated at Knoxville, in Napa county, belonging to the Boston Quicksilver Mining company (whose properties are situated in the same oil-bearing zone and adjoinining the oil lands of the Anglo-American Oil and Exploration Co.), where in mining operations of driving a tunnel, there was encountered at a depth of 400 feet from the surface, a stratum of oil-bearing shale from which steadily flows a stream of oil, in quantity more than one barrel per day, and so rich in lubricating quality that the oil is used for the machinery of the mine without refining and after a simple process of filtering. The altitude of the property is about 900 feet above sea level.

Other companies having holdings in Napa county are the Monticello, Benger Hermann, Berryessa Oil company, Zem Zem Oil Development company, Napa Oil Mining company, Blue Ridge Oil Development company, and the Hunting Creek Oil Development company.

The Mt. Shasta Oil company has several hundred acres in Berryessa Valley, on which it has a rig, but the company being actively engaged in work in Shasta county has not yet done anything more on their holdings here. There is an intermittent oil spring in this locality, which gives a good prospect for striking oil.

The Chehalis Oil & Mining Co. This is one of the substantial oil companies operating in Colusa and Lake counties. The Chehalis Oil company own and control over 2000 acres of land which lies in the very heart of the northern oil belt. The Chehalis company has been organized about 90 days, and has already raised sufficient funds to purchase a standard rig, which has been ordered. As soon as the outfit arrives, active development work will commence. The Chehalis company have a unique proposition. Not only has oil been found but cinnabar as well. Stockholders share equally in all discoveries made, be it oil or quicksilver. The Elgin Quicksilver Mine is situated in the center of the Chehalis' lands. To every ton of ore extracted they find several gallons of oil, and are only down about 200 feet. Indications are certainly good, that a large basin of oil underlies the head of Sulphur Creek. One of the largest natural gas springs in California is situated in the center of their lands. Deer hunters for years past have made this their headquarter camping ground and always cooked their venison over a natural gas fire. These gas exposures are readily lighted with a match, and give off a strong odor of petroleum. The home office of the Chehalis company is located at 232 Montgomery street, S. F.

The National Oil & Investment company is drilling with a small rig on the Sharon ranch, four miles from Sites. Their hole is down over one hundred feet. Oil springs and natural gas are found on their property.

H. B. Griffith is president of the company and Mrs. Van Pelt is secretary. The officers are on the second floor of the Hearst Building, San Francisco.

The land in the Northern fields is practically all patented land, and leases are secured by companies on percentage royalty, from one-eighth to one-sixth being a common amount. Many of the companies have secured large holdings on this basis. The character of the oil, its nearness to market, and the accessible character of the country for prospectors, make it likely that at an early period the district will take its place among the producing sections of the state.

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

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In the McKittrick and Temblor Districts, Kern County, Cal.

The Gould Central Oil Company has acquired 3800 additional acres of oil land in the immediate vicinity of its already large holdings in the McKittrick and Temblor Districts, Kern county, and now has 5720 acres along the main oil belt from McKittrick to Devil's Den. Is now drilling with its own plant Well No. 2 on the NE¼ of section 18, 29-21, McKittrick District. A limited number of shares offered for sale at 20 cents each. Full prospectus furnished on application.

San Francisco office rooms 33-34 Alliance Building, 416-418 California street.

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The Oil authority of the Pacific Coast
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FRIDAY, JUNE 7, 1901.

The Oil Market.

The feeling in oil circles is considerably more confident than in April owing to the successful organization of the Los Angeles producers and the movement toward co-operative association in the Kern field. In Los Angeles local field there has been a decrease in the development work necessary to maintain production, and consequently there has been a falling off in production and better maintenance of prices. Elsewhere in the south the price is kept up by long contracts. There is a report current that five companies of the Kern River field have contracted for three million barrels of oil for export at forty cents at the wells, and the effort to tie up the Coalinga output has been already alluded to in these columns. Under more favorable government restrictions in regard to passenger boats it is likely that the use in vessels, for both coast and oceanic travel would be largely extended.

The question of what to do with the oil is one which must be worked out by the producers themselves whenever it is possible to induce a coal user to change to oil, without waiting for the middlemen to find a market. If all the influence of stockholders in oil companies were directed to this end, the solution of the question of consumption would soon be reached. As it is, it seems that the oil men may look forward to better demand and firmer prices in the near future, as the present condition of the market cannot be considered otherwise than temporary.

Activity in the North.

The oil belt of Colusa-Napa-Yolo is receiving more attention than ever before in the history of the oil business in California. The analysis of Thomas Price & Son, the well known chemists, published elsewhere in the paper, corroborates the investigations of W. L. Watts, and establishes the fact that the northern oil is essentially of a paraffine base. A sufficient quantity for a refinery test has been secured from the Gibson oil spring, and the results will soon be published. The importance of this discovery of this class of oil, if it can be found in sufficient quantities, can not easily be estimated. The accesssibility of the Napa-Colusa field, its abundant supply of wood and water and the abundance and cheapness of transportation by rail and water, put the territory in a class by itself. Now that prospecting has been actively begun, it is likely that the producing territory will soon become defined and the district take its place among the producing fields.

Work in May

In the month of May there is a general decrease of development work which might be expected from the prevailing market prices. Statistics for the month show 221 rigs ready for work and 632 engaged in drilling, a total of 853, which is a decrease of 47 rigs and 38 drilling wells from the preceding month. The month shows 95 new wells completed, with a daily output of 3,145 barrels, also a decrease of 9 wells and 1115 barrels from April. Nineteen failures are recorded for the month.

New wells completed are distributed as follows: 1 in Fresno, 5 barrels; 1 in Kings, 25 barrels; 23 in Kern river, 1725 barrels; 8 in Sunset and McKittrick, 430 barrels; 6 in Summerland, 55 barrels; 3 in Santa Paula, 75 barrels; 6 in Piru, 190 barrels; 5 in Newhall, 165 barrels; 27 in Los Angeles, 155 barrels; 3 in Whittier, 105 barrels; 5 in Fullerton, 215 barrels. Failures are distributed as follows: Contra Costa, Kern River, Santa Barbara (4), Santa Paula, Piru (2), Newhall (2), Los Angeles (4), Fullerton (2), Los Angeles county (2).

LUBRICATING OILS.

How They are Used in China and Japan.

There are several sources by which lubricating oils are consumed in this part of the world. There are the mechanical and engineering departments, which are now using far larger proportions of lubricating oils than ever before, and also the numerous wood-working establishments which have of recent years been established. Then there are the electrical plants which are being put in at various points throughout the country, all of which call for the supply of more oils for lubricating purposes than it is possible for the stores to furnish at the present writing. At least, I found this to be the situation in the leading manufacturing and commercial centers. Next we have the power plants, which have been erected lately for the generating of power for the operating electrical light systems, electrical car lines, electrical fans for ventilating purposes in shops, offices, house and industrial shops. Then there are the mining interests which have received a considerable impetus during the past three or four years, and in the mines of which considerable new machinery has been put. Finally, there are the vehicles which are now demanding the modern forms of lubrication, instead of the daubs of fats and greases which were fit for the old time wood axles and hubs of a few years ago. Bicycles and motor carriages have been introduced without number, and the call for fine grades of lubricating oils from the handlers of these wheels and horseless carriages is very encouraging. There is not much oil of a good grade to be obtained in the general machinery and supply stores of the country, while an abundance of inferior fats, greases and cheap oils are shipped to Chinese and Japanese manufacturers and oil users from Germany, Spain and other countries, and this cheap stuff can be had in good supply. I saw some rank greases sold at high values to dealers in sewing machinery, and observed that the dealers employed boys to grease and cleanse the bearing of the machines with the usual ruinous results. At one place where they sold typewriting machines they were hampered through lack of proper lubricating oil, and were using a form of cocoanut oil which gummed in a short time and caused the bearings to heat. Considerable farming machinery has been sent into Japan and China in recent years, and this machinery requires special oils for perfect lubrication. Yet I saw farmers and superintendents of extensive plantations buying cheap animal fats and inferior forms of tallow oils for use on these bearings of the machines. I observed valuable pumps and cylinders in bad running order, solely owing to the condition of the lubricant.

Oil Statistics.

The recent oil discoveries in Texas and on the Pacific coast have moved the Treasury Bureau of Statistics to gather certain data regarding the exports of mineral oil from the United States. These show that the exportations of the fiscal year about to end will probably be the largest in the history of this industry, which has increased its exports from 204,000,000 gallons of illuminating oil in 1875 to 721,000,000 in 1900. The average value of illuminating oil exported in 1876 was about 15 cents per gallon, and in 1877, 20 cents per gallon. By 1881 the price had fallen to about 10 cents per gallon; by 1891 the average price was about 7 cents per gallon, and in 1898 the average export price was about 5 cents per gallon. In the nine months of the present fiscal year for which the figures are completed the total exports of illumnating oil amounted to 569,624,751 gallons, valued at $37,939,541, or 6 2-3 cents per gallon. The total value of all mineral oils exported was $52,745,096, and for the full fiscal year seems likely to amount to $70,000,000.

SUPPLYING WORLD'S MARKET.

The production of petroleum is one of the world's greatest industries, and it is so generally diffused that non-producing countries refrain from developing their own supplies merely because it is cheaper to use the imported article. This is not universally true, however, for the shale-oil industry of Scotland was flourishing and increasing each year until met by the competition, or, to speak more properly, the "killing-off process" of the Anglo-American Oil Company.

The overwhelming and ruinous competition of the producers in the United States called into existence the Standard Oil Company, and very similar conditions have been provided against in the other oil producing countries of the world. But with the exception of the Russian and American products, each producing country consumes within its own borders whatever oil is produced. That left the non-producing countries free for exploitation by the Nobel Bros., who controled the the Baku fields, and the Standard Oil Company. Instead of engaging in competition for these free markets an amicable arrangement was entered into by which the world's markets were to be divided. The original agreement was reported to have been on the basis of the Standard Oil Company supplying 70 per cent and Russia the remaining 30 per cent of the requirements of the importing countries. In carrying out this plan the Anglo-American Oil Company was formed in England, the German-American Oil Company in Germany, the Franco-American Oil Company in France, in Holland and Belgium through the American Petroleum Company; in Scandinavian countries through the Danish Petroleum Company, and in Italy through the Italian-American Petroleum Company.

THE WORLD'S PRODUCTION OF PETROLEUM.

(In Metric Tons.)

	Austria	Hungary	Canada	Germany	India	Italy	Japan	Russia	United States
1891	87,717	726	105,660	15,315	20,455	1,131	7,400	4,756,417	7,573,920
1892	89,971	[illegible]	109,080	14,527	29,084	2,548	9,825	4,856,179	7,046,190
1893	96,331	14	111,700	13,974	31,079	2,552	13,276	5,790,692	7,023,235
1894	111,930	2,061	116,000	17,232	44,006	2,853	23,837	5,191,552	6,926,361
1895	188,634	2,085	114,653	17,051	52,032	3,594	24,207	7,056,330	7,413,914
1896	262,356	2,168	114,370	20,395	60,228	2,524	31,414	7,105,768	8,502,187
1897	275,204	2,299	99,310	23,308	76,834	1,932	(1)	7,831,254	8,513,140
1898	(1)	2,471	98,044	25,789	71,627	2,015	(1)	(1)	7,764,713
1899									(2) 57,070,850

(1)—No later data.
(2)—Approximate return in barrels by Department of the Interior. One barrel of 42 gallons equals 1.59 hectolitres in the metric system.

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REFINING PROCESS.

How Neutralization of Distillates is Done Before Distillation.

It is erroneous to regard organic (naphtha) acids as a secondary product of petroleum, i. e., that they are formed by its oxidation in the air and are absent from oil taken from the well. Having investigated many oils I have never found a neutral oil, although the content of acid was sometimes quite insignificant. The presence of naphtha acids detected in some boreholes, when the water is of a strong alkali reaction, water (Kuban oil deposits) is also an interesting fact. It is evident that the acids extracted by the soda contained in the water could not be of secondary origin. When distilling petroleum at the refineries the acids distil over together with the corresponding distillates, a fact which has to be considered when refining.

This, however, does not preclude the possibility of the formation of another quantity of acid by the oxidation of some of the hydrocarbons by atmospheric oxygen in the course of distillation. This is not hypothetical, it is a fact, proved by the experiment made by Mr. Lissenko, who distilled a perfectly neutral kerosene (treated with acid and caustic soda) and obtained an acid distillate. It is not difficult to ascertain at what moment the oxidation or the distillate is at its maximum. This is at the period of its condensation into a liquid in the receiver.

Thus, the distillate to be refined contains acids, viz.: those found in the original crude, the amount of which being larger the longer the oil has been exposed to the air, and those formed in course of distillation. After treatment with sulphuric acid, these are joined by the products of its reaction (sulphoacids) and the part of the sulphuric acid which was not active.

From this the advantage of neutralizing the distillate before treating it with sulphuric acid, by means of hydrate of lime, or lime water, is clear. By this operation the acids of the first and second categories will be eliminated, i. e. (those distilled from the crude formed by the oxidation of the distillate) and thus there remains only the acids of the third category, the quantity of which may be reduced to a minimum by subsequent washing. How small such quantity is, and how large is the saving in caustic soda, has been demonstrated by the following experiment:

One litre of distillate was refined by each method. One half, after being dried by filtration and with air, is treated direct with sulphuric acid and washed with water; the other half having been previously treated with a solution of lime until a neutral reaction is obtained, it is, after being dried, treated with the same quantity of sulphuric acid as the first, and is also washed. When treated with 1-10 alcoholic caustic potass, 24 cubic cm. of the first sample required for neutralization, 3.9 cubic cm. of KHO, while the same quantity of the second sample only required 1 cubic cm. There is another method of reducing the quantity, and that is by increasing the quantity of acid used, which extracts a greater or less quantity according to the proportion to the quantity of the reagent. This method, however, is an expensive one, and is but little used.

It must be remarked here that the freshly condensed hot distillate must not, in any case, be admitted for acid treatment before it is cooled down, which state is in many refineries obtained by slowly blowing air through it for a period of three or four hours in the distillate tank. I proposed to combine this operation with the preliminary neutralization of the kerosene distillate. After an hour's agitation with the lime solution the mixture is run out and the air blast is turned on for drying and cooling the distillate simultaneously.

The proposed method, however, would only be applicable in the summer, as in the winter time the distillate cools down quickly by itself. But it is well though that the complications which occur in the refining of kerosene arise chiefly in the summer and rarely in the winter.

Attempts have also been made to neutralize the acids in the crude before distillation (by adding lime in the stills) in hope of obtaining a neutral kerosene. Probably this method has proved inapplicable to the present systems of continuous distillation.

In the absence of even laboratory data concerning the advantage of such treatment of the crude for removing from the distillates the acids of No. 1, it is very difficult to say anything about the value of the method recently patented by Mr. Berg of Cleveland. In view of the fact that, according to the specification, the neutralization of the acids is carried out in the still, before distillation, the method appears to be original and new. Another question is, how far it can be practically applied while the advantages obtained by such a complicated process, may be insignificant.—Chartikoff.

MARKET STREET RAILWAY.

Work Now Progressing on the Change to Fuel Oil.

Use of coal as a generator of motive power is soon to be completely done away with by the Market Street Railway company. California petroleum is to be the substitute as it has been determined to be cheaper, more economically handled and cleaner. To this end the company is building at its main power-house, at Bryant and Channel streets, a tank ninety feet in circumference by twenty-seven and one-half feet in height, which will hold 30,000 barrels, or 1,260,000 gallons of oil. It is placed in a concrete reservoir of somewhat more than equal capacity, so that in case of leakage there shall be no loss or damage done. Cars are also being constructed for the transportation of the fuel from the main power-house to those of the various systems, such as the Hayes street, McAllister street, Carl street and the Ferries and Cliff on Washington and Mason streets. At this latter location, immediately to the north of the power house on the west side of Mason street, the construction of an oil storage house is projected.

One of the results of the substitution of oil for coal by the Market Street Railway company will be that the Pacific Improvement company will lose the profitable contract of hauling coal to the various power houses.

CALIFORNIA AND TEXAS.

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Wonderful Success of a Financial Syndicate which is Handling the Funds of Thousands of Investors.

Of the investment companies, strictly and purely investment and not speculative, the Standard Oil Promotion and investment company is certainly covering the largest field to-day. And it is covering it too in a way that must be eminently satisfactory to each individual who has the good fortune to be one of its certificate-holders.

The plan of operation of this company is well known to financiers and fairly well known to most of those interested in oil and oil lands generally. In a word it is this: Mutuality of interests.

The company was organized under the laws of California and has today an authorized capital of five millions of dollars. Its objects are to invest in oil and oil lands principally, but its operations have covered and will continue to cover paying mineral properties of other natures. Its capital is subscribed to-day by thousands of investors each one of whom shares on an exact pro rata basis in the profits. It has small as well as large amounts deposited with it for investment, but at the end of each month after the books are audited a statement is issued, and in the paying of profits each certificate-holder, no matter what the size of his investments, gets the same percentage on his investment.

In this connection it is interesting to note that the company has made it a rule to take no risks. In absolutely proved good oil producing lands it is, of course, largely interested but it tries no experiments. In a single sentence, as the treasurer of the company, Mr. William B. Ewing aptly put it, "We are here to make money for our investors, and, as any other well-versed financier will tell you, it is our first duty to see that our capital is not impaired."

And in that one statement possibly the marvelous success of the Standard Oil Promotion and Investment Company may be found. They have had the most famous experts in the field ever since their incorporation, and scarcely a "snap" has passed these financiers. Covering, as they do today the whole of the producing fields of California, they have reached out for the Texas field. Additional capital has been subscribed and it would take no prophet to predict as great a success in the Lone Star state as has been shown here.

It has been stated that the Standard Oil Promotion & Investment company takes advantage of the companies it finds operating who need money instantly. That is not so. The company merely treats these matters on a strictly business basis. Of course property of all kinds bought at forced sale is usually worth far more than is paid for it, but that surely is not the business of the purchaser. And if he is shrewd enough to know beforehand where he can dispose of these holdings, no matter whether they consist of oil itself, producing wells or anything else, at a good profit, that is only what it is right and proper that he should do.

One feature of this investment company's proposal is exceptionally good. Money deposited with it may be withdrawn readily should the investor feel that the earning capacity of his interest was not up to his expectation, but it is no secret, as Mr. Ewing is willing to admit that all the withdrawals of money from the company "one could count on the fingers of his hand, and each, but one, was because the investor had foolishly placed other sums where he could be assessed, or he had bought "wild-cat" stock and got scared of everything."

It is not everyone that realizes that investing in the Standard Oil Promotion & Investment company is not the purchase of stock. It is plainly and simply the depositing with this syndicate of financiers of a sum of money to be invested for mutual interest, and withdrawable in the same manner that money may be withdrawn from a savings bank.

So far as the stock of the company is concerned it is scarcely likely that any of it can be secured, even at par, so successful have all its operations been and so ably is it managed. And we can but reiterate, in conclusion, that if these gentlemen who are familiar with Wall street and banking methods succeed in Texas, as they have in the California fields, the certificate-holders will indeed have cause to be glad of their association in this excellent financial syndicate.

At the offices, 575-576-577, in the Parrott building, a fund of information about this company's operations by bona fide investors may be obtained, but those who apply for "information only" might as well keep away. These people are keen enough to detect the man who has "business to talk" from the idle gossiper.

William B. Ewing, Secretary and Treasurer of the Standard Oil Promotion and Investment Company.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

CONTRA COSTA.

The Danville Sentinel says a flow of oil has been struck on the Rutherford place near Walnut Creek, Contra Costa county.

The Point Richmond Oil company will soon commence to bore for oil. The company has land leased near San Pablo.

FRESNO.

Ajax is going ahead.

Commercial is drilling.

Esperanza is not drilling.

A shot was put in Kreyenhagen No. 3 last week.

The Corona is shut down, waiting for drive pipe.

El Capitan No. 2 is down over two hundred feet.

Esperanza has shut down temporarily for a short time.

El Capitan produces 200 barrels a day under the pump.

Work on No. 8 of the Home Company is going steadily on.

The Producers' Guarantee, on section 31, are in oil sand.

Santa Clara is drilling in black sand with a trace of oil.

Derrick No. 1 for Fresno-San Francisco Oil company is about completed.

Derrick and engine house of Mercantile No. 2 is ready for rigging and machinery.

Drilling will be resumed by the Waverly company near Parkfield within a few days.

Work has commenced on the rigs to be constructed for the California Oil Fields Limited.

On section 6, in Mercantile Crude group seven rigs are now working, all on about forty acres.

The Golden State will finish its No. 1 well in a few days, and it is expected to be a good well.

The California Standard has a rig on the ground below El Capitan and will begin drilling shortly.

The Roanoke, on section 36, is down 800 feet and developing considerable gas. The prospects are good.

Main State has a 100-barrel well just completed and put on the pump, and No. 2 is now going down.

Baby Kings company has been trying for two weeks to exhaust the water in its well in the Black Mountain district, but failed.

Coalinga Standard Oil company has rig and machinery on the ground. This company will put down its first well within a few yards of El Capitan No. 1.

All the companies which drilled west of the Confidence have struck oil except the Esperanza, and it is only down 400 feet—not deep enough to develop oil if it is there.

The new well of Confidence (No. 4) was finished some two weeks ago. It is producing 150 barrels. Otherwise work has been suspended. Wells 2 and 3 are to be cleaned out and put deeper in the sand.

Superintendent Chris. Runge, of the Jupiter Oil company of San Francisco, says that his company will put down a well on 22, 21-16, commencing in thirty days. The property they will work is four miles from Coalinga.

The American Crude Oil company of San Francisco has its well in oil sand and apparently has fine prospects on section 6, 19-15. This is the company which is securing contracts from operators in the field for their output of oil at 70 cents per barrel.

A crooked hole 170 feet deep is the result of two weeks' work on No. 2 of the California Rock Oil company, which shut down last week. Whether the company will try to straighten out this hole, drill another or stop work altogether we have not learned.

Black Mountain No. 2 has been abandoned—too much water and no oil. No. 1 of this company, which now produces between four and five barrels per day, will be put down deeper. The quality of oil from this hole is about the same as 28's product.

The Coast Range Water company has four miles of 3-inch pipe laid, and is supplying nine companies with water and has contracts to supply three more companies with water, which are just putting rigs in. These companies are all operating in what is known as the Confidence group.

The Coast Range Water company now has two wells pumping a fine quality of fresh water. The first wells sank developed salt water. The two last wells were sunk 150 feet from the others, by the use of the Valley Water company's drilling outfit, and a fine quality of water was struck at a shorter depth than the old wells—only 120 feet. The supply of water seems inexhaustible.

HUMBOLDT.

It is rumored that oil machinery for Briceland is at Bear Harbor now.

The Hoagland oil well, the lost tools having been recovered, is now running day and night. At present they are drilling through some very hard rock and consequently are not making much progress.

KERN.

Kern Oil Development has its casing down 800 feet.

American Boy, on 6, 11-23, has reached a depth of 860 feet.

Forty-six cars of oil were taken out from Kern river on Wednesday of last week.

Hanford-Fresno-Kern River has brought in No. 2, a good well, on 31, 28-28.

Victoria Oil, a new enterprise in the Midway field, is building a rig on 27, 32-23.

Wisconsin is in clay on 34, 28-27, at 1210 feet, and expects to go down 1500 feet.

Cortez has put its first well, on 5, 29-28, on the pump. Material is on the ground for No. 2.

Canfield & Chanslor are reported about to put two or three rigs at work on 15, 32-23, Midway.

McKittrick No. 2 has been pumped for several days and the oil stands 450 feet in the casing.

Mecca No. 1 is making good progress at 540 feet. The first sand was encountered at 490 feet.

Eastern Star has completed two more wells on 29, 28-28, Kern River, giving it four producers.

Perseus Oil company is being capitalized to develop ninety acres of land in Kern river field.

Orient has a clean hole at 750 feet. The company expects to go 1200 feet before landing its casing.

Vanderlip, located east of the Mt. Di-

ablo property in the Midway, has its 11⅝ casing down 700 feet.

McFadden Oil company has No. 1 in sand on 7, 28-28, Kern River, at a depth of nearly 1100 feet.

Sunset Coast Oil has a rig up on northwest 25, 32-23, and will be spudding in within the next few days.

Hecla is rebuilding its burned derrick and will put its new well in Kern river on the pump in a few days.

One of the busiest fields in the state just now is Midway, the number of drills at work increasing rapidly.

Palo Alto-Stanford Oil and Development is preparing to drill on a lease from the Trumbull company, on 24, 28-27.

Del Rey is perforating its wells. No. 3 is down 1000 feet, with the oil seventy-five feet from the top.

Bear Flag is down 1134 feet in its second well, and standing 167 feet in oil in the last stratum.

McFaddyn, on 7, 28-28, is in very rich oil sand in a stratum twenty-one feet deep. The well is down 1111 feet.

Provident has struck the oil sand at 886 feet, and is down 1140 feet, 300 of the depth being in the richest of oil sand.

Producers' Guarantee expects to begin sinking a well adjoining No. 1, which is proving to be a valuable producer.

Transcontinental, on 29, 28-28. will be adding another rig. It has tankage full and will not pump until more storage is provided for the oil.

Petroleum Center, on 25, 28-28, has gone into another sand at 1200 feet. It is the same stratum struck by Wisconsin at about the same depth.

New Richmond, on the south of section 25, 32-23, is making progress in a good formation and has the drill down over 200 feet.

Hanford-Fresno-Kern River is pumping a good stream from No. 1 and will soon have No. 2 on the beam. Both show up splendidly.

Provident, on the NE¼ of 25, 28-27, is in the oil sand at 1125 feet. The sand is rich and prospects are favorable for a good producer.

Panorama, on 14, 29-28, has sent the drill down 600 feet and is inserting the first string of casing. A seepage of oil has been found.

Toltec is about ready to perforate wells Nos. 4 and 5. Both have been landed at 1050 feet and have even a better body of oil sand than well No. 2.

Famoso No. 3 is down 720 feet and has 200 feet of oil sand. The oil found in this well seems to be of lighter gravity than that found in Nos. 1 and 2.

Dirigo, on 2, 11-24, is working day and night shifts on its first well. Encouraging formations have been encountered since the drill was started.

Wizard of Kern River, on 26, 29-28, has completed its water well and will be spudding in at once for oil. The two wells will be located close together.

Superintendent Boust of the Producers' Guarantee, on 23, 32-23, reports preparations are being made for work on No. 2. No. 1 is coming up to all expectations.

The Jacalitas on 30, 28-28 has a well down 900 feet, with fifty feet of rich oil sand. They expect to complete the well at 1200 feet.

The Herndon Oil company has under advisement an offer from a New York firm to sink a hole a mile if necessary by a new method known as the Australian.

Chicago Crude No. 2 is pumping an average of 350 barrels a day. The supply has apparently not decreased since the day the well was first put on the pump.

George W. C. Baker, a San Francisco oil and mining promotor, who is securing the options on the Coalinga output, has written that the contracts will arrive this week for signature.

New York-California went into the oil sand on 29, 28-28 at 440 feet, and at 500 was still in the stratum. The 11⅝ casing is following close after the drill and thus far has not required pressure.

Standard is making connections with the tanks at McKittrick and is endeavoring to enter into coutracts with the producers in that field. The figures offered are not attracting many sellers.

Tremont has the lumber and machinery on its holdings on the NW¼ of 2, 11-21, and carpenters are at work putting up the derrick and bunk houses. The company will begin spudding as soon as the rig is up.

Sunset Center, on 12, 11-24, struck a pocket of gas at 500 feet, and for one hour gravel and water was hurled above the derrick. There was a tremendous roar during the entire time audible a mile and more.

According to the Delano Record La Mesa Chiquita is down over 500 feet with favorable indications. Water was struck at 350 feet and the drill is in blue clay. The well is fourteen miles due east of Delano.

Oil is gaining ground as a fuel in Arizona. Shipments of fuel oil aggregating 300 carloads are being made from Los Angeles to Tucson, for the filling of the great iron tank of the Southern Pacific at that place.

Del Rey, on 29, 28-28, has Nos. 1 and 3 ready for perforating. Both are supplied with an unusual depth of sands. No. 2 is drilling, but for some time has been working in good sand. Del Rey wells are in about 500 feet of oil sand.

Peerless shipped over 150 carloads of oil during the month of May, an average of more than five a day. The first four wells of this company were stopped in the top sand, and work has been begun to sink them to the lower and richer strata.

Hart Crude has begun drilling on 36, 28-27. Though a little to the westward of proven lines, it is near enough to thrifty producers to make it very probable that the bounds of the field will be extended some distance out on the plains.

Rinconado has reached the 900-foot level and is working in a blue clay formation. The indications are promising for an early discovery of oil. This rig is out a considerable distance on the plains and a discovery means the extension of the bounds to the eastward.

Prospects are encouraging for Wisconsin, on 24, 22-27. The well is down 1200 feet and for 150 feet has been working in a superior grade of oil sand. The first stratum of sand in this well was struck at 845 feet and was about fifteen feet thick. The next was reached at 1075 feet and continues below the 1200-foot level.

The Oil Land Company of South Dakota has leased from the Diamond forty acres on section 11, 29-21, the intention being to resume drilling in the hole abandoned by Diamond and using the machinery on the field. The company is prepared to sink the well 2000 feet if necessary. The hole is 900 feet deep.

California Fortune, on 34, 12-24, has been flowing two weeks through its eleven and five-eighths casing. The yield was partially stopped on account of the lack of storage room, all tanks being full. The second hole which is being drilled, is down to a good depth, and indications are that it will be equal to well No. 1.

Bay City well in Midway has a daily capacity of 300 barrels. Not since it was attached to the beam has it been given a test to determine its production, but from the way the oil flows into the tanks it is estimated that it is good for that much if crowded to the limit. The well is being pumped only enough to keep it in good trim and to supply about forty barrels a day to the rigs operating in the immediate vicinity.

Gold Standard No. 2 on 4, 29-28 has completed a well 912 feet and containing about 400 feet of good oil sand. Last Sunday the well was put on the beam and after pumping the oil overflowed the flume, conveying the stream to the sump hole. The well is stated to be good for at least 300 barrels daily when it settles down to business.

Sea Breeze, which has been closed down for two weeks on account of heaving sand, will resume drilling on its well on 6, 30-20. The eleven and three-eighths casing could be forced down no farther than 160 feet and it was deemed advisable to insert instead a fourteen-inch stovepipe casing. As soon as the sand can be shut off the eleven and three-eighths casing will be inserted and drilling resumed.

Last Friday Kern Sunset made a strike on the southeast quarter of 1, 11-24. The extent of the strike has not been determined, but it proves up quite an extent of new territory. The sand was first encountered at 618 feet, and it is proposed to land the casing and finish the well at 800 feet. Aside from the Maricopa's well on the extreme west this is the first strike on the section. If the well proves a good producer it will widen the district at that point by nearly one mile.

The McFadyn in the northwestern extension of the Kern River field is in a sand that promises a good well. The strike was made at 1086 feet and though the drill has only penetrated the sand the well is showing up magnificently. It will probably be necessary to sink it a few hundred feet deeper, but since the nine and five-eighths is still moving it will be possible to complete the well even at that depth with a good sized casing. The discovery furnishes additional proof that the north end of the district is good territory, with the sands a little deeper than elsewhere.

Dr. Prather of Seattle, who organized the Queen Oil company, is in Bakersfield to lay out Sunset City at the terminus of the railroad on the company's property. The acreage to be platted for the new city has not yet been determined, nor has the location for the depot been settled upon. In laying out the town it will be stipulated that purchasers of lots may not drill for oil, but the town will be so platted as to leave strips forty feet wide where the company can drill wells. It is likely that in conveying lots a ninety-nine-year lease will be given, rather than deeds, the lease to cover only surface rights.

The Echo reports that news of an important discovery comes from Midway. The strike made by Bay City a few weeks ago led to considerable development work and made it evident that the oil belt extends from Sunset northward to McKittrick. Bay City and Producers' Guarantee have proven a portion of the belt and now comes the Oregon Midway with the report of a strike on 5, 32-23, at a point three or four miles to the southeast of the Transfer, where some prospects for oil have been uncovered. The discovery is encouraging for the country to the southeast and opens up a broad scope of new territory.

LOS ANGELES.

The East Whittier Oil company has made over 1000 feet on well No. 2.

The North Whittier Oil company has begun spudding on well No. 2.

The Whittier Oil & Development company, on section 24, has succeeded in crowding a lost bit to one side of the hole and is putting in a string of five and five-eighths casing.

The Whittier Producer's Oil company has made 900 feet of hole on the well being put down on the flat on the northeast side of the foothills.

The Baldwin well, at the foot of the north slope of the hills, on property owned by "Lucky" Baldwin, is down over 600 feet. There are good indications of oil and small quantities of the fluid have been encountered by the drillers almost from the start.

The New England Oil company, section 30, is down nearly 1000 feet with its third string of casing, on well No. 2.

The Home Oil company has well No. 12 down 1100 feet, of which the last forty feet is in continuous sand. The crew at work deepening No. 6 has already added nearly 200 feet of hole to the well.

MONTEREY.

Arroyo Seco Oil & Development company is down 300 feet in their first well. The driller reports a large flow of gas which is forcing the oil up through the blue shale in which they are drilling.

SHASTA.

The Shasta Consolidated drill is still working in hard sandstone at present at a depth of 890 feet.

Mt. Shasta Oil & Development have started their drill after a delay of two weeks caused by a broken stem. The well is down 400 feet.

SOLANO.

The Solano County Oil & Development company, which is to begin operations in a few days boring for oil on the Pander ranch, just beyond Lake Chabot, has closed a contract for the erection of the plant, and will vigorously prosecute the work of development.

TEHAMA.

A phonogram from the well site of the Corning Oil and Gas company stated that the drill had passed into shale and that the water had been shut out. A heavy pressure of gas was on, which has increased with the depth of the well. Mr. Houghton, president of the company, sent word to the office that oil seepage was apparent in the excavations from the well.

VENTURA.

The Sunset Oil company is down about 250 feet with a little oil.

The St. Louis Oil Development company are down very near 400 feet with good indications of a good well.

The United States Oil company have the rig on its ground and expect to begin drilling about the 25th of May.

No. 16 of Buckhorn Oil & Transportation company is the best well yet, pumping seventy-five barrels a day. It is much lighter oil than No. 15.

The Union Oil company's well on the Gibson ranch is down ninety feet with good indications of getting a good supply of water. The water is to be used at Torrey.

KERN.

Gould Central is down 800 feet in well No. 2. Well No. 3 will be started at once.

Monte Cristo's gusher continues to flow in an astonishing manner. The well is visited daily people who pronounce it a wonder.

Kern Western is about to begin sinking a dozen or more wells on 24, 28-27. The material for several of the derricks is on the ground.

The outfit recently purchased by the Queen City has been sent to the company's holdings in Sunset, Dr. J. N. Prather accompanying the rig the field to personally superintend its placing.

Temple Bar Oil company has incorpora-

ed with Fresno as the principal place of business. Directors—T. J. Duncan, W. L. Flanagan, F. M. Hague, G. E. Burwell and C. H. Cobb, all of this county. Capital stock, $2,400, divided into forty shares of the par value of $60, and subscribed. The company owns the S½ of the S½ of 28, 27-27.

Hecla No. 1 is having some trouble with sand.

Mecca is dropping its drill again and the casing is following close behind it.

The Medina is sinking a well on its holdings in Sunset. Good progress is being made.

Campbell well No. 2, Kern River, was completed this week. It is said to be good for 250 barrels a day.

The Standard Consolidated will erect a rig on its holdings on 19, 28-28, this week. Preparations are being made to complete a well as soon as possible.

The United Oil company has awarded a contract to Hickey & Vizey to sink a well on the company's lease on section 14, McKittrick. The United company has a lease from Jewett & Blodgett. The will well be begun immediately.

The meeting of the miners and claim-owners, which was called for last Monday morning at the Bay City Camp, Midway, was postponed until June 15. As there were but a few men in attendance it was deemed advisable to readvertise the meeting as the business to be transacted is important and meant much to the future of the field.

J. J. and Nettie Mack have deeded to the Stevens Oil company the NW¼ of the SE¼ of section 19, 28-28. The consideration was $60,000. The property is in the heart of the proven territory in the Kern River field.

Messrs. Cornell and Walker, who were injured a few weeks ago on the Mt. Diablo property in the Midway, are rapidly recovering from their injuries.

The Superior Extension water well is proving itself to be a good one. Several of the companies near the Superior property are getting their supply from its production.

Tha Superior Development hole on section 24, Kern River, has been cleaned out and the casing is again being lowered.

Work on the Sunset road is progressing rapidly. A large gang of men is working on the grade and new men are being sent out daily to hustle the work along.

SANTA BARBARA.

The second well on the new Becker wharf has been perforated and work commenced on No. 3.

Last week the Southern Pacific railroad company settled with J. C. Wilson for right-of-way through what is known as the Robinson plant. Thirteen wells will be dismantled. The pumping plant was closed down Thursday and will be taken away.

SAN LUIS OBISPO.

(Special correspondence)

Oil matters are rather quiet at San Luis Obispo, but quite a little excitement is on in the eastern part of the county in the Carrissa Plain country, which is just across the mountains from the Temblor district. A half dozen derricks are up and rigs on the way so that the drills will soon be going merrily down. In northern Santa Barbara county on the Careaguea ranch the Western Union have abandoned their first hole, which has been reported as containing a small amount of oil, and are nearly ready to begin drilling two more wells. The Commercial Union near the Alcatraz Asphalt Mines have their well nearly finished and will soon know if they have oil or not. They have been idle for several weeks. The Primavera, on the Underhill ranch, have been idle for some time. They have made another of their periodical changes in force and now will abandon their hole and start a new one.

Oil in Washington.

The first oil found in the state of Washington was struck at a depth of 200 feet in a well being driven at Tenio. The discovery indicates that the coast belt extends from California to Puget Sound. Geologists believe the strata containing the largest quantity of petroleum will be found several hundred feet lower.

Contracts for Gas Works Houses

There has been filed with the county recorder a contract for the erection of four buildings for the Independent Gas company—a generator house, a governor house, a meter house and a purifier house. The location of the buildings is on city blocks 443 and 502 Potrero district. The cost given in the contracts is $32,090.

According to a press dispatch from Beaumont, Texas, it appears that Patillo Higgins, who claims to have given Captain A. F. Lucas the information which prompted the latter to bore the first oil well there, has sued for $4,000,000 against Lucas and his associates. In his complaint he claims that the knowledge which he imparted to Lucas was well worth $40,000 and one-tenth interest in the output in the petroleum; that in consequence of possessing this information Lucas found oil and that the product of the well is worth $35,000 per day. He summarizes his ground for damages and places the total at $4,000,000.

The Famous Asphalt Lake

Asphalt is being dug out of the famous tar lake of Trinidad, the most notable existing source of the material in the world, at the rate of 80,000 tons per annum. There are still 4,500,000 tons in sight, but at this rate the supply could not last long were it not the lake referred to is receiving a constant accretion from the bowels of the earth. This accretion is reckoned as amounting to about 20,000 tons yearly and would suffice to restore the lake to its original condition if it were allowed to remain undisturbed for a few years.

This wonderful lake of pitch has an area of 114 acres, and recent soundings made in the middle of it have shown the depth to be 135 feet in that part. Near the center it is semiliquid and bubbling, but elsewhere it has so hard a surface that a man on horseback can ride over it without danger of breaking through the crust. Scattered over its surface are a number of small islands which have no proper roots in the earth, so to speak, but are composed merely of accumulations of soil, though trees of considerable size grow on some of them. These islands are not stationary, but are carried slowly from place to place by the movements of the lake. Now and then one of them is entirely engulfed.—New York Post.

Petroleum Miners' Association.

The annual meeting of the California Petroleum Miners' Association was held in the Mills building June 4th, 1901, and the following gentlemen were elected directors for the ensuing year: Gen. J. M. Gleaves, J. D. Spreckels, E. A. Denicke, Henry J. Crocker, M. H. de Young, A. R. Briggs, Geo. N. Wendling, E. P. Heald, Dr. T. C. Deane, O. A. Lane, W. B. Simmons.

The directors will meet on Wednesday, June 12, 1901, at 11:30, and elect a president and secretary.

The Anglo-American recently elected the following new directors:

W. F. Fisher, president; H. S. Field, vice-president; R. C. Pentland, secretary; John M. Ballou, C. W. Armstrong, F. B. Cook, F. J. Taylor, W. B. Reynolds, Carl Hesse; C. L. Cowgill is treasurer.

Santa Paula Gravity Oil Co

Of the companies developing in Ventura county, the Santa Paula Gravity Oil company stands among the first. With their first well in oil and rapidly nearing completion, it may well commend itself to conservative investors in oil. The sale of stock for pushing development work is under the control of Ritter & Fuller Mills building, San Francisco.

A New Oil Association.

The Pacific Coast Petroleum Miners' Association has incorporated and opened offices in room 210, fifth floor, Parrott building. There will be a general bureau of information and press department; a land department where oil lands can be registered for a nominal charge, experted, and a monthly printed report made of the same, which will afford those desiring to invest in oil land a knowledge of location, and the best proofs obtainable in advance of discovery, a department of chemistry, in which a scientific analysis of the oils from the different districts of the state will be made, and a civil engineering department. It will also use its efforts that the boundaries of California oil land titles may be clearly defined, and that no possible future question as to the titles can arise.

The association is chartered under the laws of California.

The officers of Pacific Coast Miners' Petroleum Association are: Col. L. P. Crane, president; Hon. Will D. Jenkins, ex-secretary of the state of Washington, now of San Francisco, secretary; Hon. E. E. D. Berri, treasurer.

The Texas gushers throw out immense quantities of sand and sediment and before the oil can be pumped into the pipe line it becomes necessary to use at least three tanks for settling and separating the sand and sediment from the oil.

FREMONT OIL COMPANY

Incorporated in South Dakota. Capitalized for $300,000. Owns 80 acres and owns 30-year lease on 320 acres at Ono in Shasta County. Stock non-assessable; 50c per share; par value $1 00.
President, Aaron Bell, Redding, Cal; Secretary, Geo. B. Millar, Evanston, Ill.
Information furnished in detail on application. Office, 1212 Fisher Building, Chicago, Ill.

We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

On May 27 our stock will advance to 25c.

First well completed about June 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed.
Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.
T. A. KIRKPATRICK, Secretary.
HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.
First National Bank of San Francisco, Depository.

Oil Prospectuses

Booklets, Stock Certificates, Letterheads, Envelopes, Dodgers, Letter Circulars, etc.,

Printed at short notice and at reasonable prices.

Pacific Oil Reporter Job Office
Rooms 31, 32 and 33
318 Pine Street, San Francisco

Putting Out Fires.

It has hitherto been considered a foregone conclusion that when an oil tank takes fire it will burn until the oil is entirely consumed, and a fire of this character is both dangerous and costly in nearly every instance. But the end is in sight. Frank Shuman of Philadelphia, says the Chicago News, comes forward with a process which he claims will extinguish the fire almost immediately, after it has started, and this, too, without the aid of the fireman or other external assistance. The apparatus consists of a pair of small storage tanks located in proximity to the large oil reservoir, and connected therewith by pipes. In the lower tank is stored a quantity of carbonate of soda in solution, while in the upper tank is placed sulphuric acid. As soon as these pipes are opened to allow these chemicals to flow into the reservoir they fall to the bottom, being heavier than oil, and immediately form carbonic acid gas, which rises to the top of the burning liquid. When it reaches the surface of the oil it practically lifts the flames from the liquid, and as there is nothing to feed the blaze, it goes out immediately, the gas remaining on the surface of the oil. Where a number of tanks are used for storing oil only one pair of chemical containers need be used, and either an automatic discharge for each tank may be provided or an employee can manipulate the necessary valves.

Now that oil is available to the consumers at such a low price writes a California correspondent, there is something of a rush toward the new fuel, and in San Francisco, particularly, but in many other cities, storage tanks are being erected and engines being overhauled to adapt them to burning oil. In Los Angeles fuel oil a few days since could have been bought for 60 cents, and possibly it could today, but it is the consumers who are chasing for oil now, instead of the producers hunting for customers at the prevailing price, and the association has made it certain that all oil in the public tanks will be pooled with that to be produced in maintaining better prices. It is the aim of the association to put the price to 85 or 90 cents at once.

Sunset Development.

The Occidental T. and P. company, a sub-company of the Occidental company of West Virginia, will commence operations within a few days in 20, 32-24. They have purchased a Standard rig and machinery, and will push development from the starting of the drill in the well. Mr. S. E. Tooker, the president of the company, recently returned from Tucson, Ariz., and will take charge of the work of development at once.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, June 5:

BAY CITY.		
100 at	65	65 00
BLUE GOOSE.		
30 at	1	30 00
CENTRAL PT. CON.		
700 at	1 60	1120 00
CALIFORNIA STANDARD.		
200 at	26	52 00
200 at	27	54 00
FOUR OIL CO		
500 at	41	205 00
1000 at	34	340 00
1000 at	40	400 00
HOME OIL.		
25 at	3 25	91 25
HANFORD.		
2 at	90 00	180 00
HANFORD-FRESNO-KERN RIVER.		
500 at	04	20 00
INDEPENDENCE.		
3000 at	14	420 00
JUNCTION.		
100 at	22	22 00
700 at	20	140 00
300 at	21	63 00
KERN RIVER.		
10 at	10 00	100 00
KERN.		
50 at	5 50	275 00
LION.		
100 at	14	14 00
225 at	13	351 00
1800 at	12	216 00
MONARCH OF ARIZONA.		
300(S30) at	40	120 00
100 (S30) at	39	39 00
1000 at	40	400 00
200 (S 90) at	33	66 00
1050 at	33	346 50
100 at	32	32 00
100 at	30	30 00
1100 at	34	374 00
800 at	35	280 00
MONTE CRISTO.		
600 at	2 15	1290 00
100 at	2 17½	217 50
100(S90)at	2 07½	207 50
300(S90)at	2 05	615 00
100 at	2 05	205 00
PEERLESS.		
20 at	7 50	150 00
PETROLEUM CENTER.		
4100 at	05	205 00
6848 at	04	273 92
200 at	03	6 00
100 at	02	2 00
REED CRUDE.		
1000 at	46	460 00
SOVEREIGN.		
300 at	25	75 00
SAN JOAQUIN.		
50 at	8 50	425 00
SUNSET (ORIGINAL).		
1000 at	22	220 00
STERLING.		
850 at	1 40	1190 00
100 at	1 30	130 00
150 at	1 25	187 50
TWENTY-EIGHT		
100 at	1 00	100 00
WEST SHORE.		
100 at	2 25	225 00
WOLVERINE.		
100 at	76	76 00
400 at	75	300 00
Shares 28,910	Amount	$12,226.17

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending June 5:

CALIFORNIA STANDARD.		
700 at	29	203 00
1600 at	26	416 00
300 at	27	81 00
CARIBOU.		
300 (S30) at	73	416 00
FOUR OIL.		
1000 at	40	400 00
1000(B60) at	42	420 00
JUNCTION.		
1500 at	22	330 00
500 at	21	105 00
300 at	20	60 00
MONARCH OF ARIZONA.		
500 at	40	200 00
1000(S20) at	30	300 00
800 at	35	245 00
1500 at	36	540 00
500(S30) at	34	170 00
1000 at	34	340 00
LION.		
600 at	15	90 00
500 at	13	65 00
4000 at	14	560 00
PEERLESS.		
100 at	8 00	800 00
100 (B90)at	8 50	850 00
50 at	7 50	375 00
PETROLEUM CENTER.		
8500 at	05	425 00
3550 at	04	142 00
5000(S90)at	04	200 00
STERLING.		
100 at	1 50	150 00
100 at	1 40	140 00
Shares 35,100	Amount	$7,843

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SUITABLE FOR WATER OR OIL.
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SECOND-HAND half-inch steel sand-pump line 400 feet long for sale cheap. Address NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland, or F. CHAPELLET, 214 Pine St., San Francisco.

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Ventura Consolidated Crude Oil Company Stock
Nearly 3000 acres oil land and a promising gold mine already fairly developed
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416, 418, 420, 422, 424, 426
Sansome St., San Francisco
Paper and Paper Bags, Twine and Supplies of every description incidental to the trade.
We carry the Largest Stock. Our prices are Equitable.
Tel. Main, 1133.

EDITOR'S OUTING.

What Happens in June Vacation Days.

CASTELLA, Shasta Co., June 1, 1901

Think of it! It has been two days and no one has even been heard to mention "oil." No letters have been received asking about different oil companies—how much development work has been done, how much oil a company can produce, how is certain stock selling, and is it best to purchase shares in such and such companies?—all these questions have ceased for a few days, and all tnere is to do is to eat, sleep and fish.

Having had no outing in the mountains for years and the family needing one as much as himself, the editor packed his rods and a few necessaries, and a few days ago took the train for Camp Castella, located on the banks of the rushing Sacramento river, and with Mount Shasta and the wonderful Castle Crags in plain sight.

No place could be more grandly located. The camp is pitched within five yards of the river, the music of whose hurried rushing is a constant pleasure by day and a sure incentive to sound sleep at night.

The season is late and the river is higher than it has been for years, running bank full, and being too high for good fishing. It will be three or four weeks before the water goes down enough to insure really good fishing. Still the fish are in the river—lots of them, and some large ones at that, and although they are filled to satisfaction with the multitudes of insects that are floating down the river, still they will rise at the fly and skill and patience will reward the labors of the fisherman at early morning and late in the afternoon. The fish I have caught thus far run from half a pound to a pound and a half in weight. There are others larger in the river, as I have seen them jumping, but as yet they have escaped my flies.

Mount Shasta never looked grander than it does this year. Seen from the camp it is snow-white from summit to base, and glistens in the bright sunlight like a great iceberg. Its appearance constantly changes as seen from a different portion of our little valley, and as the sun strikes it at various angles, lighting up the different canyons that line its sides, and changing the lights and shadows that play upon its face. As yet the snow has scarcely begun to melt upon its sides, and there is hardly a rock or ledge visible to mar the pure whiteness of its icy covering.

This being before the season opens we are the first comers and have the camp entirely to ourselves. More campers are expected next week, and in a few days many tents will be pitched in this wonderful little valley.

A well-supplied mountain store a quarter of a mile away gives opportunity to replenish supplies, and in fact one need bring nothing along in the matter of supplies, either for tent or in the line of provisions. Furnished tents are supplied by H. O. Wickes, who owns the camp ground, and who is also the station agent, and who understands and anticipates all the wants of his visitors. There are a few neat little cottages of three and four rooms, where those who do not desire to camp out can enjoy the air, scenery and fishing, and still live with all the comforts of home life.

The main line of the Oregon road runs within sight on the other side of the river, and yesterday we saw a freight train that had an oil car in it. The sight gave me the blues, for it instantly brought to mind the oil business with its slump of prices, its needless and ruinous competition, its selling of shares, and the hundred and one other ills that are today distressing oil men and making life miserable.

As the train slowly pulled out of sight, taking with it the oil car, I heaved a sigh of relief and my spirits rose. Next time a freight train comes along I shall look the other way for fear of seeing an oil car and the reminder of the life from which for a few days I have escaped.

Camp life has had few incidents thus far. The most exciting occurred within ten minutes after our arrival in camp, when the hopeful young scion of the family, aged eight, managed to tumble into the river. He was fished out without more serious injury than a good wetting and a scare, and was duly spanked and put to bed. It is now time for a repetition of the incident.

The next most exciting incident was when the better half proceeded to learn to throw a fly. After tangling herself up with the pole, flies, lead, etc., she managed to get the flies into a likely riffle, and, wonderful to relate, hooked on a good-sized fish. It was then a question whether she would land the fish on the bank or the fish would land her into the river. After a due struggle the fish was conquered and great was the elation of the conqueror.

This is not an oil but an old story. More next time. W. B. WINN.

Drilling in Sabine Bay.

The United States government will not interfere with the oil drills in Sabine Bay, Texas, providing the drillers conduct their operations without interfering with navigation. Applications have been received by the Secretary of War for permission to sink wells in the lake at a point below Beaumont. These papers were referred by Secretary Root to General Gillespie, chief of engineers, who has decided that no interest of the the United States is involved save the one of keeping open navigation, and, without granting permits, he has notified the applicants of the position of the department, which leaves them free to operate subject to the one condition laid down.

Dividends and Assessments.

Dividends payable—Oil City Petroleum, ½ cent, June 5. Central Point Consolidated, 2 cents, June 10. In May, Central Point Con., $3,800; Homestake, $1,500; Four, $3,000.

Assessments — Hanford-Fresno-Kern, 4 cents, delinquent June 15. Petroleum Center (No. 3), 5 cents, June 20.

Special Announcement

A great many of my clients have been making money by investing in shares of a number of oil companies, the rise in one of which paying for more than the cost of all the balance. Such investments are growing in favor and there is not a day when I don't receive application to furnish an assortment of oil stocks for a certain amount of money.

In order to facilitate such orders I have made up a list of different assortments of oil stocks to be got for amounts set opposite and will so furnish same as below on receipt of money order or draft.

No 1 for $20.
100 shares California Rock Oil.
200 shares Three States.
100 shares Kern River O. & D.
500 shares Pittsburg Con.
100 shares Lone Star.

No. 2 for $30.
100 shares Bachelors.
250 shares Three States.
100 shares London.
150 shares California Rock Oil.
100 shares Lone Star.

No. 3 for $40.
100 shares California Fortune.
100 shares Bachelors.
100 shares Three States.
500 shares Pittsburg Con.
150 shares Kern River O. & D.

No. 4 for $50.
100 shares California Mutual.
100 shares Kern River O. & D.
50 shares Grand Pacific.
100 shares Bachelors.
100 shares Three States.

No. 5 for $60.
100 shares Bachelors.
100 shares Grand Pacific
500 shares Santa Maria.
100 shares Three States.
500 shares Pittsburg Con.

No. 6 for $75.
100 shares California Mutual.
50 shares Grand Pacific.
50 shares California Fortune,
200 shares California Rock Oil.
500 shares Santa Maria.

No. 7 for $100.
100 shares California Fortune.
200 shares Bachelors.
500 shares Santa Maria.
50 shares Grand Pacific.
500 shares Pittsburg Con.
200 shares Kern River O. & D.
250 shares Three States.
100 shares London.

Orders will be filled in rotation and will receive gratis a copy of the Ready Reference Book, containing the latest information about oil stocks. First come first served.

Orders for any other oil stocks will receive my close attention and will befurnished at lower prices than quoted by anyone else, be he a broker or the company itself. Address all communications to

JOSEPH B. TOPLITZ,

Member Producers' Oil Exchange,

330 Pine Street, San Francisco

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell

WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.

FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

Calistoga Oil and Development Company

Owns by Purchase

and holds by long-term leases, in all

2120 Acres of Oil Land

Situated in **NINE DISTRICTS** in six counties of California. This is a sweeping statement, but our prospectus explains in detail. Write for a copy and carefully analyze our plan. We are the pioneer drillers in Napa County where **LUBRICATING OIL** is found in numerous springs. Our first well, commenced May 15, 1901, when completed, will put on stock above par. You can buy for a short time a limited amount of stock at **50c.**

Procrastination may deny you an income.

Better write to-day.

Office 23 and 24 Merchants' Exchange

SAN FRANCISCO, CAL.

WE WANT CASH OFFERS

For any of the following stocks in any size blocks

630 Famoso O. and I. Co.
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1000 McFadyen Oil Co.
400 Contra Costa O. & P. Co.
2050 Cal. Rock Oil Co.
8750 Three States Oil Co.
1150 Diamond Oil Co.
1000 Bachelor's Oil Co.
62½ Nonpareil Con. Oil Co.
62½ San Ardo Con. Oil Co.
5000 Pacific Petroleum Co.
2500 Eureka Sunset Oil Co.
1000 Oil Land Co.
197 Hollister Crude Oil Co.
1000 Lincoln Oil Co.
5000 Petroleum Oil Co.

THE OIL INVESTMENT AGENCY

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PAUL R. LEWIS, Manager and U. S. Government Broker

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

Two Good Buys

WESTERN OIL CO. Capital $500,000

OPERATING IN SUNSET DISTRICT

LIMITED NUMBER OF SHARES OFFERED FOR 25 CENTS PER SHARE

MANCHESTER AND LIVERPOOL OIL CO.

Capital $500,000

OPERATING IN SAN LUIS OBISPO CO.

A FEW THOUSAND SHARES TO BE SOLD AT 25 CNTS PER SHAR.

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REPORT ON SAN BENITO.

Part of the Hollister Field Examined by W. L. Watts.

W. L. Watts, E. M., and who has been the field expert for many years under the State Mineralogist, examined the Baldwin ranch leased by the Hollister Petroleum Development company, and he also examined the adjacent lands in order to arrive at a conclusion as to the advisability of continuing operations on the Baldwin ranch. According to the Bee his theory of an oil venture is that oil sand, (i. e. exposed sand containing oil), or an oil seepage must be present either on the lands or adjacent thereto in order to warrant a report that there would be a reasonable probability of striking oil.

After examining the Baldwin ranch which contains no actual oil seers nor sand with oil exposed at the surface although having other indications, such as sand stone, shal s, etc., similar to those at Coalinga, Mr. Watts' report is that the well being sunk could only be considered a prospect well of the most risky type.

While such is his opinion he also said that unless some actual oil seeps or oil sands could be found in the vicinity from which a location for a well could be made, he would as soon take a chance at sinking a well on the Baldwin ranch as anywhere in the vicinity. And confirming the opin ion of Mr. Fox he thought Mr. Lathrop's well was sunk too near the apex of the anticlinal fold, and for that reason the Baldwin ranch would be preferable being further away.

But in his judgment there should be an endeavor to discover some evidence of oil such as oil seeps or "oil sand" in locating a well. He further stated that the great amount of gas encountered in the Lathrop well was evidence that the district contains oil measures, as was also the small amount of oil contained in the salt water therein.

A plan of consolidation is under consideration by which a joint effort shall be made to locate the belt in this district. If the Hollister Petroleum Development company, Pioneer, Hollister Mutual, and San Benito company will combine their capital, in cash, oil casing, and rig, and an executive committee be appointed from the directorate of each company, to conduct the business, a well could be sunk somewhere in the district, and if oil is struck each of the companies would own an undivided interest therein, and all would be indirectly benefitted by having the district proven, and the burden of doing so would not fall on any one company.

It is known that oil does exist northwest and southeast of this district and the belt must extend through here between the two ranges of mountains. The gas and oil found by the San Benito county affords sufficient evidence that oil measures at least exist in this vicinity.

The oil position is bettering itself somewhat, and must continue to do so, as the management is drifting into commercial hands, where it will be intelligently manipulated. Fuel oil values will be advanced, and producers will willingly pay twenty-five per cent more for it than the present ruling prices.

That is Why.

An investor is one who places his money after a careful analysis of the stability of his investment and the prospects of liberal return for the money so invested. The investor's first care is the reliability of the channel into which he thinks of directing his funds. His next consideration is the probable amount of profit to be derived from the investment. The investor places his money on such stocks as are perfectly sound from a business standpoint and in such companies as are absolutely able to guarantee production and he consequently stands little or no chance to lose and accordinly his bank account grows daily and he amasses wealth. That is why the stock of the Standard Consolidated Oil & Land company is basking in the smile of popular favcr, especially in view of the vigorous development work being prosecuted, as it is the intention of the management of this company to tolerate no delay in the development work, so that this company can be placed on a dividend paying basis at an early date. The stock of this company, which can be still purchased at 10 cents per share, is a remarkable offer and one that local investors are taking advantage of.

USE BEAUMONT OIL.

Experiments Going on with Regard to Use of Fuel Oil.

A special dispatch from Beaumonr, Texas, says:

"The Kansas City Southern Railway is playing a close second to the Southern Pacific in adopting Beaumont oil for fuel to take the place of coal. D. C. Bervard, superintendent, and C. W. Willard, master mechanic of the road, are here investigating.

"Two engines are being equipped in Pittsburg with oil burners, and will be brought to Beaumont for service between here and Port Arthur and De Quincey, La. The engines in the yards will also be supplied with an oil burner. Mr. Bervard says:

"'These things must be gone about in a business-like way, and it is better to give the oil a trial before making any extensive arrangements for its consumption. The change will be practically new to all the men, and it is better to educate them first to the new arrangement, and then when the system is given a trial there may may be some improvements that could be made before an extensive adoption.

"'I see no reason why oil should not be used on the southern end at at any rate, for we have to haul coal from Howell, Kan., which is 500 miles north of here.'"

Coalinga Oil Shipments.

The Hanford Journal reports that in the past five months, to June 1st, there has been shipped from Coalinga 1436 carloads of oil as follows:

January	244 cars
February	220 "
March	250 "
April	426 "
May	296 "

The largest shipment ever made in one month from the field was that of April, when 426 cars were shipped out. It will also be observed that in the month just passed (May) the shipment of oil exceeded that of any previous month this year except April. Eight carloads went out June 1st.

WANT FULL VALUE.

Sterling Oil Object to Low Price of Stocks

The Sterling Oil company has issued a circular to its stockholders protesting against the low price of oil stock. It claims that Exchange quotations do not represent the true value of the property. The circular reads as follows:

"To the shareholders of the Sterling Oil & Development company:

"From quotations of the oil exchanges it is shown that our stocks are being sacrificed, and to holders of the same who contemplate selling we herewith submit a few facts which cannot well be controverted and which, we trust, may operate to their advantage.

"Figured on a conservative basis and one which does not nearly represent present resources of the Sterling Oil & Development company, we get results as follows:

"From the eight producing wells of the Sterling company, say seventy-five barrels each day, the yield would be 600 barrels, or, per year, 219,000 barrels.

"From the three producing wells on the Vesta lease, say, 100 barrels each per day, the yield would be 300 barrels per day, or 109,500 barrels per year. Of this 109,500 barrels the Sterling company would receive a royalty of 33 1-3 per cent, or 36,500 barrels.

From the four producing wells on the Sovereign lease, say, 150 barrels each per day, or 219,000 barrels the Sterling company would receive a royalty of 33 1-3 per cent, or 73,000 barrels; making annual yield to Sterling company 328,500 barrels.

328,500 barrels at 50 cents per barrel	$164,250
Less 5 cents per barrel, cost of handling	16,425
Net income	$147,825

"One hundred and forty-seven thousand eight hundred and twenty-five dollars net income per annum is more than 59 per cent of the entire capital stock of the Sterling Oil & Development company.

"The par value of one share of Sterling stock is $1. At California's legal rate of interest (7 per cent per annum) the value of one share of Sterling oil stock today, on basis on 59 per cent per annum, is $8.43.

"Putting the net income at one-half, or 22½ cents per barrel, the annual yield would be $73,912, or more than 29½ per cent per annum of the capital stock. At this rate the present value of one share of Sterling oil stock is $4 21.

"With present resources, which represent less than one-tenth of Sterling Co.'s contemplated development, the present valuation, as declared in the foregoing, may be regarded as fair indication of what its value will be when fully developed, and our patrons, who may contemplate selling stock, or who have already sold, will find that the purchasers of our stocks are almost invariably those who have studied the oil situation and who recognize the value of their purchase.

"With an absolutely perfect title to its entire holdings, a field of 160 acres, the whole of which is proven prolific oil-bearing ground, on which not a dollar of indebtedness rests, with 30,000 shares of unsold treasury stock, exempting all or any portion of its stock from assessment, it would appear that a better, safer investment than in Sterling Oil & Development Co.'s stocks would be difficult to find.

"With our present resources (based on data herein presented) we are in position to sell 27,3 5 barrels of oil per month, but owing to the fact that oil is being sold at ridiculously low prices under long time contracts that will oblige producers, who are parties to such contracts, to deliver oil at low prices for a number of years, this company takes the ground that, within a much shorter period than the limit of the contracts referred to, the demand for oil will be such that good paying prices for same will prevail. Yours respectfully,"

STERLING OIL & DEVELOPM'T CO.

Guaranteed Stock.

The Paxton Gold Bond company of San Francisco, recently organized, have a new method of selling oil shares. It is an unusually strong company, and has such especially sure prospects that it guarantees the value of the stockholders' shares. Purchasers of stock receive an interest-bearing bond, absolutely securing the entire value of the stock purchased.

This bond is first-class in every respect. The California Safe Deposit & Trust company (resources $4,000.000) as trustee, certifies on each bond that it holds first real estate mortgages in trust to pay the shareholder's bond in full.

If the oil company should meet with misfortune, the shareholder can rest perfectly assured that he will get back every dollar he puts in, with 3 per cent. interest on same.

But the best part of the proposition is the oil land that this company possesses—part of the famous Ferndale ranch in the heart of the celebrated Ventura oil fields. Ferndale is the residence estate of a rich Californian, for which the big oil men in the surrounding properties have been after for fifteen years. One 100-barrel oil well means a dividend of 17 per cent., and there are scores of 125 and 300-barrel wells near.

Were You Ever Bitten by a Wildcat?

Have you ever bought oil shares from an angel who had land in an oil paradise? Have you learned that he was Satan in the garden and that his lands were a stony hell of lizards, alkali and sand? Have you been robbed of your money by false pretenses?

Have You Dreamed a Dream of Gold and Woke to Ashes and Regret?

Some people are making fortunes in oil. Isn't there a legitimate dot for you? Use the gray matter in your skull. "We are different." For every dollar you put in our company for shares we will give you a Security Bond to secure you against any possible loss. You can borrow on this bond, with it alone for security, if you get hard up and want to pay the assessment charges on stock you may hold in assessment companies

Investigate our proposition; scrutinize our securities; get your faith back; recoup your losses. CALL; talk to us. Thousands have been swindled by the oil jackals, whose sole object is to separate people from their money.

Only Proven Wells Whose Product is Sold Make Dividends Legally Possible

Conservative investors in California oil properties are reaping legitimate fortunes, while advertising highwaymen are deliberately stealing fortunes from their victims. Shall these pirates get any of your hard-earned cash? Or, if they have already done so, WILL THEY UNTIE YOUR PURSE AGAIN?

Millions have been made and millions more can be made in California oil.

USE YOUR BRAINS AS WELL AS YOUR MONEY

If you buy our stock you will find your shares accompanied by a security bond bearing 3 per cent interest, payable semi-annually. Its face value is the face value of the shares purchased. This bond absolutely guarantees your stock against loss. Read what our bondsmen say:

California Safe Deposit & Trust Co.
CAPITAL FULLY PAID UP $1000 000
REGISTERED TELEGRAPHIC ADDRESS "TRUSTEE"
SAN FRANCISCO

SAN FRANCISCO, April 10, 1901.

The Paxton Gold Bond Oil Company, San Francisco, Cal. Gentlemen:

Replying to your communication of 9th inst., we desire to state that every bond issued by the California Home Building Loan Company for the purpose of guaranteeing the par value of the stock of the Paxton Gold Bond Oil Company is protected by first mortgages held in trust by the California Safe Deposit and Trust company to insure the payment of said bonds.

Respectfully yours,

Vice-President and Manager.

CALIFORNIA HOME BUILDING LOAN COMPANY.
Rooms 1406 and 1407, Claus Spreckels Building.
SAN FRANCISCO, April 16, 1901.

To the Paxton Gold Bond Oil Company, San Francisco, Cal. Gentlemen: Every bond issued by the California Home Building Loan company is protected by first mortgages on real estate worth not less than double the amount of the bonds issued. The par value of the notes secured thereby shall at all times exceed the amount of bonds issued by at least 10 per cent. Said mortgages are assigned to, and deposited with the California Safe Deposit & Trust Company, as trustee, and held by them to secure the payment of said bonds.

President.

These bondsmen have Bradstreet's and Dun's highest ratings. IS THERE ANY WILDCAT IN THAT?

The Paxton Gold Bond Oil Company's stockholders share in all dividends, besides draw 3 per cent interest on their invested cash.

ABSOLUTELY PROVEN OIL LAND.

Its location (one of them) comprises 40 acres of the famous Ferndale Tract, on the east half of Section 16, T. 21 W., R. 4 N., S. B. base and meridian, in the heart of the Ventura District of the California fields. Our land will easily support 40 wells. Some of our neighbors are the huge rich corporations, such as the Capital Crude, Westlake Rummel, Pacific Coast, Whidden & Dobble, Union Oil Company, the world-famous Bard wells, etc. Over 200 wells surround us. The Ventura field is the most highly developed in the world—560 miles of pipe lines to the ocean, railways and refineries; 195,000 barrels tankage; high gravity oil, worth two to ten times the price of common fuel oil; producing wells 20 years old. It has made several millionaires and will make several more. One 100-barrel well means 17 per cent interest on our entire capitalization. We have contracted to put down four wells within one year.

Have You Any Idle Money? Why Not Invest? You Can't Lose

The Paxton Gold Bond Oil Company is organized under the laws of Arizona; capital stock $500,000, divided into 500,000 shares at $1 each, fully paid and legally non-assessable. It has placed 100,000 shares of its treasury stock upon the market at $1.00 per share, accompanied by a SECURITY BOND BEARING 3 PER CENT INTEREST.

Suppose You Try It Over Again and Go In Right

The number of shares you want and the security bond which protects you against loss will be sent to you with your shares. You take no chance. THE WORST YOU CAN DO IF YOU INVEST IS TO MAKE 3 PER CENT INTEREST AND YOUR CASH RETURNED—THE BEST A FORTUNE.

Remittances may be made direct to the main or branch offices. You see what you are buying. You get what you pay for. You cannot lose. Our security bond is negotiable. It is written in every bond that the holder thereof will be loaned 53 per cent of its value at any time with the bond alone as security.

References as to the value and validity of bond: Pacific Coast Underwriting Co.; California Home Building Loan Co.: California Safe Deposit and Trust Company, all of San Francisco, Cal.: also special reports of Dun and Bradstreet; banks on application.

Send for Prospectus

We are Different

PAXTON GOLD BOND OIL CO.

318 Kearny Street, San Francisco, Cal.

Branch Office, Paxton, Ill. Chicago Office, 167 Dearborn Street Fifth Floor

Oil Companies Incorporated.

ARIZONA.

Jupiter Light company. Principal place of business, Lemoore, Kings county. Directors: H L Jennings, G Hutton, J C Moore, W H Battenfield, L L Johnson. Capital stock, $50,000; subscribed, $400.

Bernalillo Oil company. Principal place of business, Holbrook, Navajo county Arizona. Directors: E Riall and J C May. Capital stock $5,000,000.

Union Land & Oil company. Principal place of business, Columbus, Ga. Directors: G M Williams, L Hamburger, W A Swift, J P Kyle, H H Epping, J F Flourney, E P Hurt, J B Holst and G J Grimes. Capital stock, $75,000,

Maritime Oil company. Principal place of business. San Francisco. Directors—F H Crosby, G Menzies, G F Mackenzie, F Wilson, J MacAllister, T A Cox, W Holmes, H. Holmes, J H Hughes and H N Clement. Capital stock, $5,000; subscribed in full.

Snake River Oil company. Principal place of business, San Francisco. Directors: E E House, J C Hill, M T Holcomb, E E Drake, B S Hubbard, J H Richardson and F Miller. Capital stock, $5,000; subscribed in full.

Twin Cities Oil company. Principal place of business, Nevada City. Directors: C P Loughridge, C E Clinch, C H Eddy, M L Marsh, J T Morgan, J M Hadley, J M Thomas, W D Vinton, D E Morgan and E M Preston. Capital stock, $250,000; subscribed, $1,000.

Standard Fuel & Reduction company. Principal place of business, Los Angeles. Directors: G Van Derwerker, J M Graybill, J I Crowell, J F Moody and T J Phillips. Capital stock, $500,000; subscribed, $5.

Gray Gander Oil company. Principal place of business, Pierre, Hughes county, S D. Directors: O B Phelps, G F Abbott, E A Holman, S D Minor and J E Morris. Capital stock, $200,000.

Reguina Oil company. Principal place of business, Phoenix, Ariz. Directors: H C Hall, A E MacDonald, T W Nowlin, J F Fassett and W I Hall. Capital stock, $500,000.

Pinnacle Oil company. Principal place of business, Pierre, S D. Directors: E A Holman, J L Doble, G F Abbott, S D Minor, T A Sheppard, O B Phelps and F H Lawn. Capital stock, $250.000.

I. X. L. Crude Oil company; Principal place of business, Pierre, S D. Directors: A J Balbrath, H W Wilmarth and L L Stephens. Capital stock, $300,000.

Laguna Seca Oil company. Principal place of business, Needles, San Bernardino county. Directors: F Monaghen, G S Briggs, T J Murphy, N E Rich, G E Butler and L V Root. Capital stock, $500,000; subscribed, $68,000.

Stockton Midway Oil company. Principal place of business, Phoenix, Ariz. Directors: F O Gardiner, F C Scott, A V Freight, L W Peart and C A Bernhart. Capital stock, $500,000.

Roosevelt Oil company. Principal place of business, Bakersfied. Directors: F M Reynolds, C H Fox, G L Robertson, W H Walker and R W Rupe. Capital stock, $500,000; subscribed, $500.

Larsen Oil Burner & Furnace company. Principal place of business, Los Angeles. Directors: G H Calmus, G M Cake, I Cromwell J C Girton and A R Hamilton. Capital stock, $75 000; subscribed, $5.

Nevada County Gas & Electric company. Principal place of business, San Francisco. Directors: J Martin, F H Pierson, H U Roeding, H R Noack and W M Pierson. Capital stock, $100, 000; subscribed, $500.

Pacific Gold Dredging company. Principal place of business, Colorado Springs, Col. Directors: J R McKinnie, W P Bonbright and R C Thayer. Capital stock, $2,300,000.

Armijo Oil company. Principal place of business, Phoenix, Ariz. Directors: C B Elliott, G A Lamont, B F Bush, E Dinkelspell, W H Bryan, J A Wilson and E E Long. Capital stock, $200,000.

Sansinena Land & Oil company. Principal place of business, Whittier, Los Angeles county. Directors: L Butman, C J Proud, J Nickson, W J Hole, D Eseverri, J Stern and R J McClure. Capital stock, $300,000; subscribed in full.

Primary Oil company. Principal place of business, Los Angeles. Directors: C J Callahan, J K Skimmer, R S Watts, L J Perry and J T Tanner Capital stock, $300,000; subscribed, $25.

Jolly Joker Oil company. Principal place of business, Bakersfield. Directors, J E Auston, J A Bennett, A C Wilkinson, M K Harris and C A Barlow. Capital stock, $250,000; subscribed, $500.

Vallecitos Water company. Principal place of business, San Francisco. Directors: W Palmtag, N C Briggs, G Berg, T D Boardman L Rotchenberg, R B Todd and H S Field. Capital stock, $10,000; subscribed, $3,000.

Vernardo Oil & Land company. Principal place of business, Oakland. Directors: J L Davie, J D Crawford, J J Crawford, F H Davie and C J Heesman. Capital stock. $500,000; subscribed, $50.

Danish-American Oil company. Principal place of business, Hughes, S D. Directors: L Burden, L P Hendrickson and J E Evans. Capital stock, $200,000.

The Winner Land & Oil company. Principal place of business, Oakland. Directors: H A Melvin, J P Taylor, G E Brinkerhoff, E O Lindblom, P Young, A G Rhodes and L W Baker. Capital stock, $50,000; subscribed, $35.

Delta Oil company. Principal place of business, San Francisco. Directors: H S Smith, W D Evert, B F Edwards, L Keall, C N Fich, E J Graham and G Sneider. Capital s-ock, $300,000; subscribed, $700.

White Gusher Oil & Development company. Principal place of business, Oakland. Directors: J E Moutox, A Kram, W G Latimer, Jr. H B Fritzaehen, E Fritche, R Fricke, A Currlin and A B Fately. Capital stock, $250,000; subscribed, $900.

Corona Petroleum company. Principal place of business, Nogales. Directors: W E Rodgers, O G Rodgers, C E Gunn and F Herera. Capital stock, $500,000.

Golden West Oil company. Principal place of business. Nogales, Ariz. Directors: J H Jordan, G E Squires, W Carter, C J Harvey and R H Stevens. Capital stock, $500,000.

Los Angeles Stocks.

The volume of business on the Los Angeles Stock Exchange during the week ending June 1st, while it has not been up to the average of former weeks, has had the satisfactory element of better prices in several securities, and the majority of stocks have maintained their former level.

Reed Crude has been one of the active traders, moving in blocks of considerable size at from 47½ to 49¼ cents, which was the closing price last Saturday. The demand was fairly good at that figure with no more in sight at less than 50 cents. Some strength is still exhibited by Westlake, and although sales have been made at 16½, they were mostly in small amounts and the market is in such a condition that a material advance would result from anything like strong bidding. Pacific Slope holds firm at 1½ to 1⅝ cents at which point the last sale was made. 80 cents is the present asking price for Bay City. Uncle Sam is another stock which has gained a point or so, the present quotations being 4½ cents asked.

Bank stocks are stronger in several instances than heretofore. $95 is the last bid on State Bank & Trust stock an advance of $5 over the last sale made. Los Angeles National has advanced 15 points since it was first listed on the Exchange. Several other of the best known bank securities have made material gains.

Among the mining stock Butte Lode and Arizona Giant appear to be in greatest demand. The last sales of the former were at $20, with none to be had at present for less than $40. The present asking price on Arizona Giant is 40 cents.

There have been no material changes on the local stock situation and it is difficult to predict just how great an effect the advance in the price of petroleum will have upon such securities.

At the annual meeting of the stockholders of the Blue Goose company, held in Selma recently, the following officers and directors were elected: W. F. Chandler, president; I. F. Poston, vice-president; E. H. Tucker, William Chanslor and T. B. Matthews C. A. Harrison will retain his position as secretary.

London Oil Company

Owns 5,000 Acres Experted Oil Lands

SIX BIG POINTS FOR INVESTORS

Point No. 1 Large acreage, 5000 acres makes a valuable asset for a company to build on in strengthening the safety of the funds intrusted by the investor.

Point No. 2 Five sub-companies are now forming to operate on these lands. Stockholders get the benefits from their operations as they each one pay a portion of their profits to the London Oil company.

Point No. 3 A rig has been ordered by one sub-company, the London-Calistoga, and will be at work drilling this month.

Point No. 4 Over fifty companies are now operating in this Fresno-San Benito district. Experts all agree that much may be expected from this district.

Point No. 5 A pipe-line charter has already been secured to Firebaugh on the San Joaquin river. River boats can take the oil from here, thus entirely eliminating thepossibility of a stagnation of the progress of the district on account of the lack of transportation facilities or thedetriment of exorbitant freight rates. A big pointer.

Point No. 6 Our officers are men of local and national reputation. Mr. C. H. Phillips, president; Hon. J. M. Gleaves, vice-president; Mr. O. A. Lane, secretary and general manager; Hon. James G. Maguire and Mr. C. H. Dunsmoor, directors.

The non-assessable treasury stock of this company is now selling for 50 cents per share. Call or write to the office of the company for prospectus or further information.

LONDON OIL COMPANY Rooms 6 and 7, 8th floor Mills Building, San Francisco, Cal.

OIL

On All Sides of the Arroyo Seco Oil and Development Company's Lands

OIL

Within the last thirty days five companies have struck oil whose property adjoins ours.

Our first well drilling; down 200 feet in two weeks.

Incorporated under the laws of Arizona, which makes the stock of the company absolutely non-assessable.

Capital stock $500,000. 500,000 shares. Par value, $1.00 each. 720 acres of land are located in the famous Arroyo Seco and Veratina Districts of Monterey County, California. Active development work will be started at once. Oil has been struck on all sides of our lands.

Now is the time to invest. Don't wait until the stock gets beyond your reach. Live agents wanted in every town in the United States.

REFERENCES:

First National Bank, S. F. Crocker Woolworth National Bank, S. F. California Petroleum Miners' Association, S. F. "Bonds and Mortgages," Chicago, Ill.

For further information, address

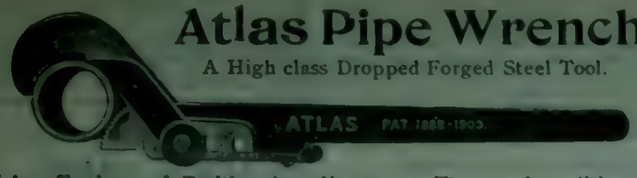
The Arroyo Seco Oil and Development Company was organized to develop lands for oil, and was incorporated on December 27, 1900, under the laws of Arizona. Under those laws the stock is non-assessable, and the private property of its stockholders is exempt from corporate debt. The lands of the company were selected in small tracts in different localities in order to obtain the benefit of the increased value accruing from development of other lands near us by other companies. The property of the company consists of 1160 acres situated in Monterey county, California, south and west of the Salinas river, about eight miles from Soledad, in the Arroyo Seco District; in the Veratina and Hames Valley Districts, about seven miles from Bradley; and in the San Ardo District, about five miles from San Ardo. The districts named are school districts, and the towns mentioned are on the coast line of the Southern Pacific Railroad. The land is owned by the company free and clear of all incumbrance. A map of our properties will be cheerfully forwarded on application. On December 31, 1900, the board of directors authorized the sale of 50,000 shares of stock. On January 15, 1901, and before the company's prospectus was issued, most of the stock was already sold. Another 50,000 shares will be offered at a price to be fixed by the board. From these sales it is calculated ample funds will be obtained to complete the work proposed, as herein stated.

H. R. EARLE, Secretary

480-481 PARROTT BUILDING, SAN FRANCISCO.

Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.



Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

ATLAS PIPE WRENCH CO 51 Flood Building, San Francisco.

New York Office, 121 Liberty Street Works, New Haven, Conn.

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MACHINE SHOPS FOUNDRY
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MINING, MILLING and MACHINE CASTINGS

Rig Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

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BAKERSFIELD, CAL.

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OIL STORAGE & WAGON TANKS

Oil Well Casing Oil Stills

Works: Cor. New Main and Date streets. P. O. Box 231

Telephone, Main 196. Baker Block. Station C

Office, 334 North Main Street, Los Angeles. Cal.

The Barrett Oil Well Swivel Wrench

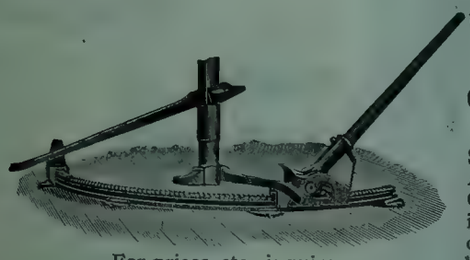
For carrying and placing bits in drilling stem boxes

Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessy to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.

——MANUFACTURED BY——

J. BARRETT, Allegheny, Pa.



For prices etc., inquire

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OIL & GAS WELL RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

AMERICAN STEEL AND WIRE CM'PY

Pacific Works

The only Wire Rope Factory on the Pacific Coast.

We make
Wire Ropes, Cable and Hawsers

For all purposes and with every possible combination of Wires, steel and iron, galvanized or plain.

Wire Ropes Of all Kinds For Oil Well Purposes

And all fixtures and appliances for the use of Wire Rope

Send your orders to

American Steel&Wire Co.

LOS ANGELES—No. 206 North Los Angeles St.
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OIL WELL Casing

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Line Pipe
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H. T. LALLY, Manager

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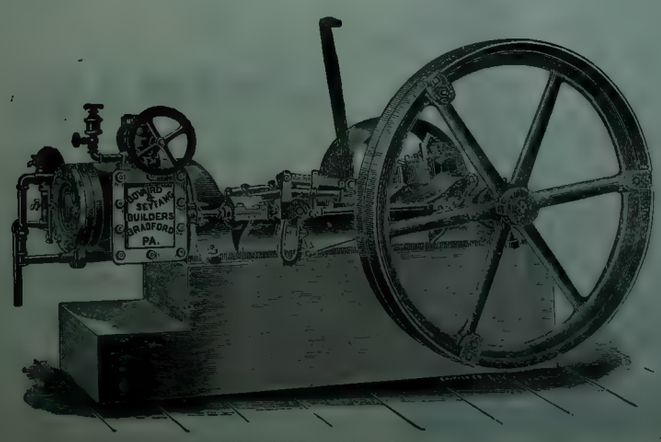

Oil Well Drilling Engine.

Parke & Lacy Co.

SAN FRANCISCO, CAL. BAKERSFIELD, CAL.

21 and 23 FREMONT ST., SAN FRANCISCO

OIL WELL DRILLING MACHINERY

TOOLS AND SUPPLIES

ENGINES, BOILERS, PUMPS, ETC.

BOSTON CASING

PROMPT DELIVERY CORRESPONDENCE SOLICITED

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$1,5000,00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in MKcittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office, Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 606 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A. S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltby, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA
Capital stock 600,000 shares.....par value, $1 00
Officers: Wm. Crites, president: F. M Graham vice-president; J. B. Batz, treasurer; C. E. Hallstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares.....par value, $1.00
Officers—Wm. Crites, president; F M Graham vice-president; J. B. Batz, treasurer, C. E. Hallstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents. 34 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary, D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Cockling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: L Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No 17 Galtes block, Bakersfield, Cal.

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson, Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
Location: SW¼ of NE¼ 7, 28-28 M D B and M Kern River district.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; J H Edson, manager; Union Trust company, treasurer; W E Robinson, Springfield, Ill., J H Edson, Oakland, Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
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XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
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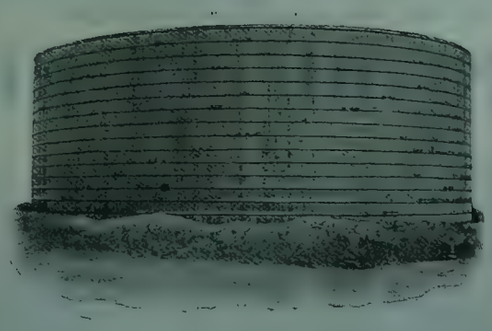

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VOLUME 2

NUMBER 32

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, JUNE 14, 1901.

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50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near Home Oil Company and 160 acres joining an oil well in Napa Valley.

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PACIFIC OIL REPORTER

VOL. 2. NO. 32. SAN FRANCISCO, CAL., FRIDAY, JUNE 14, 1901. PRICE, TEN CENTS

ALONG THE COAST.

Development Work of the Crescent Oil Company in Santa Cruz and Summerland.

Strike on the Chittenden Ranch Promises to Become a Good Producer.—Drilling Begun at Carpenteria.

The Sargent Ranch and neighboring territory lying along the junction lines of Santa Clara, Santa Cruz and San Benito counties has been known to contain oil-bearing formations with extensive surface asphalt deposits and springs of tarry liquid asphalt oozing from both sedimentary formations and serpentine. A well producing a small quantity of oil was sunk on the Sargent Ranch as early as 1890, and the Watsonville Oil company has about seven wells on this property, the oil produced finding a local market at

Hollister and Gilroy. On the adjoining property known as the Chittenden Ranch of the Salsipuedes Rancho, an old Spanish grant, these asphalt springs form one of the boundary points used in describing the property. This Salsipuedes Rancho was a grant held under the Mexican government, the title to which was confirmed by the United States. The holdings of the Crescent Oil company are located on the Chittenden Ranch, part of the original ranch, 92 miles southeast from San Francisco, on the Coast Division of the Southern Pacific Railroad. This railroad passes half a mile from the company's property. The station of Chittenden is twelve miles south of Gilroy and nine miles north of Watsonville, with railway connections and an excellent county road to the latter. Moss Landing, an excellent pipeline terminus, is on Monterey Bay, only sixteen miles away, gives facilities for water transportation, the true factor in solving the transportation problem. These springs were formerly looked upon as curiosities, until the exploitation of oil deposits in other parts of the state showed that these seepages are indications of the presence of oil. These tar springs form part of an extensive series of seepages on the Chittenden ranch, which has been traced for three miles southeast of the ranch and for seven miles to

Views of Property of Crescent Oil Company. 1. Rig now Drilling on Chittenden Ranch, Santa Cruz County. 2. Asphalt Mine on Refugio Rancho (Baldwin Ranch) in Santa Cruz County. 3. Rig on Crescent Oil Company's property on Baldwin Ranch.

the northwest with a width of approximately one to three miles. Oil seepages are found in the little valleys extending into the hills, issuing from the sandstone and shale, and from the bottom, sides and even the summit of the foothills. In some places a hole dug in the soil soon fills with oil, and in others only dry brea is found. The formation consists of silicious shales, which resemble those of the Lower Neocene, and according to a report incline at an angle of 32°, the strike running northwest and southeast. The oil from the surface formation or "first sand" is as usual of considerable density, running from 11 to 14 degrees Baume. The abundant seepages in one place on the Ranch extend over an area of fifteen acres, while a great outcropping of oil sand runs through the property with oil springs and asphalt deposits running along it. Gas is also found in all these oil springs, and also along the bed of the Pescadero Creek and Pajaro River, adjoining the properties.

A number of years ago a tunnel was run into the hill on the southwest corner of the property, for the purpose of prospecting for coal. There was a strong seepage of oil from it from the beginning and at eighty feet so much gas was encountered that the workmen abandoned the property leaving their tools.

Oil to the amount of a barrel a day was found at a depth of twelve feet below the bottom of a caisson while sinking a new bridge of the Southern Pacific company across the Pajaro River.

This is a remarkable showing for a hole six inches in diameter, extending into the rim of the oil formations only. Much gas accompanied the flow of oil. A small rig was put to work for prospecting purposes in Tar Spring Field, the part of the ranch where seepages have been already mentioned as being so abundant. This promising property is included in the holdings of the Crescent Oil company. Several holes were drilled, and oil found in all of them. In one of these prospect wells oil sand was found at a depth of forty-five feet, but only a few inches in thickness, and produced a small quantity of oil. The rig was then moved 100 feet nearer the hillside, and three feet of oil sand was struck, which produced about three barrels a day, and being without casing is now partially caved, but still produces a fine quality of oil.

It is at a point just north of Soda Lake that the apex of the anticline of the oil sands is found, running southeasterly and northwesterly across the ranch. Professor Onn, an eminent oil expert of California, in a cursory examination of this property, located this point, about half a mile northeasterly from the railway, as the evident apex of the anticline with its strike crossing the property in a northwesterly and southeasterly course, where oil would be reached at a little depth, and, by sinking a little to the north of the line of anticline considerably more oil would be encountered, but at greater depth.

These evidences leave no question as to the presence of oil underneath this territory, and in large quantities at comparatively little depth. The indications are equal if not superior to those of the famous McKittrick, Kern, Bakersfield or Los Angeles districts, while the facilities surrounding the enterprise were never equalled in the outset of any of these districts, save Los Angeles.

Professor M. M. Ogden, Field Expert of the California Oil Exchange, after an extended examination of the Chittenden ranch, made the following report:

"I have made a careful examination of the oil belt which crosses the Chittenden tract of the Agua Caliente tract of the Salsipuedes rancho, in Santa Cruz and Santa Clara counties, and can freely say from unquestioned surface indications that this property is undoubted oil territory, and will, on development, pay most handsome returns.

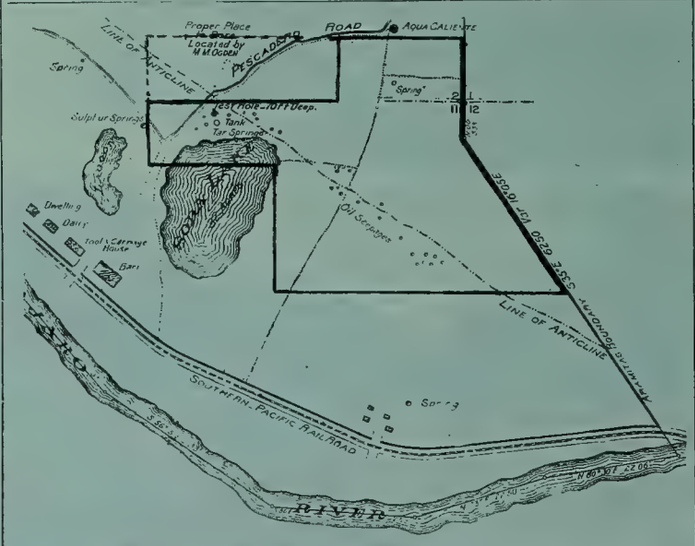
"The strike of the Anticlinal as taken by me on this property, say one-half mile from the line of the Southern Pacific railroad, is northwest and southeast, and the dip of the shales and sandstone 32.10 degrees at right angles to the strike.

"There are many residual oil seepages exhibited on this land at the base of the foothills, while the oil is forced up by the natural gas in the test hole drilled below the road leading to Sargents is of a very fine quality, and a sample thereof, notwithstanding long atmospheric exposure, showed 11 degrees Baume, or a specific gravity of 99.29 degrees.

"I am convinced that wells sunk along the hillside, above the seepage as indicated—particularly as indicated by me—will prove most prolific yielders of a very fine quality of oil.

"I should recommend immediate development of this property as being signally valuable from an oil producing standpoint.

"Very sincerely yours,
"M. M. OGDEN,
"Field Expert California Oil Exchange."



Map Showing the Holdings of the Crescent Oil Company on the Chittenden Ranch, Santa Cruz County, California.

Next south of the Tar Spring field of the Chittenden Ranch is a small lake of alkaline waters called the "Soda Lake." All along the northern shore of this lake are very extensive oil seepages.

The petroleum which is constantly seeping out of the shale rock forming the lake shore in part evaporates, leaving a residuum of bitumen, and in part it finds its way onto the lake, so that at times the northern shore of the lake is all covered with petroleum oil.

This Tar Spring field, the northern portion of the lake, is now the holding of the Crescent Oil Co., obtained by lease from the Chittenden Cal. Oil Co. It is on the Tar Spring field that the Crescent Oil Co. has lately made such an important development of oil—a development which seems to indicate that this ranch will soon become famous as an oil producer.

LOG

of the Crescent Oil Company's well No. 1, Chittenden Ranch, Santa Cruz County.

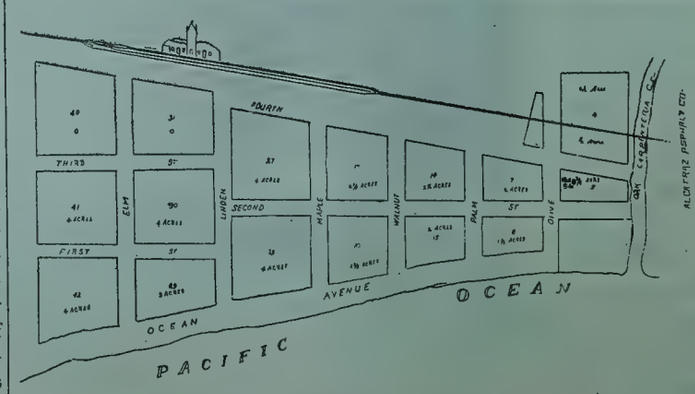
Feet.	Formation.
	Surface.
49	Water.
53	White sand
68	15 feet oil sand. Bailed 3 barrels oil at one time.
74	6 feet white sand shell.
95	Brown shale, showing oil.
130	Small quantity of water.
135	Black sand; some oil.
136	Hard shell 1 ft. thick; blue lime.
155	Heaving oil sand.
195	Oil sand.

As will be seen from an examination of the log, the drill after striking water and passing through the white sand struck 15 feet of oil sand which bailed out three barrels of oil at one time. Another sand was struck at 155 feet, and the casing had to be forced down with a shoe to shut off the water supply from the upper levels. The excellent indications which the company have met with so far promises an abundant output of oil.

WORK NEAR SUMMERLAND.

The town-site of Carpenteria, which has lately been obtained by the Crescent Oil company, on a lease with an option of purchase, is one of the most remarkable localities in California.

Here one of the earliest efforts was made to produce illuminating oil from crude petroleum, as early as 1857. A well was sunk in this property, and experiments were made to refine the oil obtained. With the methods then used, the amount of success was not satisfactory, but it was proven at the time that several strata of oil sand underlaid the whole area, probably extending out under the sea as it does



Map Showing Holdings of Crescent Oil Company along the Beach at Carpenteria, Four Miles from Summerland, Santa Barbara County. This Adjoins the Alcatraz Asphalt Company's Property and is Crossed by the S. P. R. R.

at Summerland, in Santa Barbara county, four miles distant. These holdings lie along the ocean, with Carpenteria Creek on the south, separating the property from the holdings of the Alcatraz Asphalt company whose asphalt mines adjoin on the other side of the creek. The asphalt property has suspended operations for the time being, owing to consolidation of interests with the asphalt trust, but the value of the asphalt deposit has been proven. At Summerland recent experiments have shown the oil to be of such excellent quality for the manufacture of asphalt that a factory for this purpose is now in the course of erection. Liquid asphalt has also been found on the property of the Crescent Oil company north of Carpenteria Creek, and it is likely that after passing this sand the well of the company, now under way on lot 5, a short distance from the creek (see map) will strike a formation of lighter gravity oil, in accordance with the experience of other fields. The location of the property is along the line of production, and the facilities for transportation by rail or water and of finding a ready market are in exery way equal to that of the famous Summerland field, as the Southern Pacific Railroad passes directly through the property, with the main depot on the ground, and on the other side is the quiet water of the Santa Barbara Channel into which wharves or piers can be built as at Summerland, in which the pumping wells can be sunk for oil and where the oil can be loaded directly into the tank steamers. A ready market and the highest prices can always be obtained for oil at this point.

Oil Companies Incorporated.

Florence Oil company of Arizona. Principal place of business, Tucson, Ariz. Directors: S J Brun, J P Lartigau, J R Aitkin, W T Reid and H A Hedger. Capital stock, $100,000.

White Star Oil company. Principal place of business, Phoenix, Ariz. Directors, A F Murdoff, G Jones, R Williams, W E Johnson, M S Dewing J L Doble and W L Hill. Capital stock, $500,000.

Clear Light Oil company. Principal place of business, San Francisco. Directors: P E Daniels, M E Van Meter, C Keene, O G Day, W McCarty, S W M Smith, R C Jacobs, W T Vahlberg, B P sawyer, C W Smith and M J Mitchell. Capital tock $500,000; subscribed, $4,000.

White Swan Oil company. Principal place of business, Oakland. Directors: W N Kennedy, W B Church, C E S Dunlevy, C W Rehnert, J A Smille, O Kurtz, M A Thompson, J H W Riley and E C Arnold. Capital stock, $500,000; subscribed, $207,000.

H H Oil company. Principal place of business, Vallejo. Directors: J W Hartzell, H F Hartzell, L G Harrier, D W Harrier, J J Madigan, J O Johnson, R W Farmer and B F Griffen. Capital stock, $500,000; subscribed, $202,500.

Sutter Oil & Development company. Principal place of business, Sacramento. Directors: M Diepenbrock, J L Flanagan, C W Baker, H W Strader, W A Knowles, H C Wolf, R P Burr, George H Clark, G E Dierssen, T B Reid and ames Seadler. Capital stock, $50,000; subscribed, $23,200.

Skookum Oil company. Principal place of business, Portland, Or. Directors. G C Sears, P Metchan, F H Story, L J Schell and N C Christenson. Capital stock, $20,000.

Eastern Oil Syndicate. Principal place of business, San Francisco. Directors: H R Peterson, M Swanson, C E Smith, H Blume and T C Parkhurst. Capital stock, $500,000; subscribed, $400.

Miles Standish Oil company. Principal place of business, Oakland. Directors: J L Barker, J B Richardson, S D Ayers, W H Knight and C P Hoag. Capital stock, $200,000; subscribed, $5,000.

Elsinore Oil & Development company. Principal place of business, Kingham, Ariz. Directors: G C Anderegg, J Begg, R E Muncy, J F Leland, G W Morgan and A B Wyckoff. Capital stock, $500,000.

Monarch Petroleum company. Principal place of business, Los Angeles. Directors: J S Ward, U T Clotfelter, L S Chandler S G Ward and E A Meserve. Capital stock, $130,000; subscribed, $50.

Petroleum King Oil company. Principal place of business, Pierre, S D Directors: F B Rabb, G S Herwell and L C Smith. Capital stock, $200,000.

Paragon Oil company. Principal place of business, Phoenix, Ariz. Directors: F A Marcher, R R Gove, M C White, W Rose, C E Marshal, J M Janes and C A Mead. Capital stock, $600,000.

Acme Petroleum company. Principal place of business, Los Angeles Directors: J S Ward, U T Clotfelter, L S Chandler, S C Ward and E A Meserve. Capital stock, $200,000; subscribed, $50.

New Puritan Oil company. Principal place of business, Tucson, Ariz. Directors: C P Owen, E E Chase, C F Crothers, R S Hunkins and C C Curtis. Capital stock, $100,000.

Alexandra Oil company. Principal place of business, Oakland. Directors: E A Keily, M J Mitchell, M D Jeffries, J P Maxwell and W F Hockins. Capital stock, $500,000; subscribed, $16,670.

Elk Tooth Oil company. Principal place of business, Ferndale, Humboldt county. Directors: A Putnam, G M Brice, J Hansen, E N Tooby and J C Erickson. Capital stock, $200,000; subscribed, $100,000.

Dabney Oil company. Principal place of business, Phoenix, Ariz. Directors: J B Dabney, A R Dabney, A H Butler, J F Devendorf and E A Belcher. Capital stock, $1,000,000.

Newhall Consolidated Oil company. Principal place of business, Phoenix, Ariz. Directors: A H Castle, A E Castle, F K Lane and F Reese. Capital stock, $600,000.

Pacific Coast Petroleum Miners' Association. Principal place of business, San Francisco. Directors: S W Gibbs, W R Twamley, A Smith, J Cameron and C H Gibbs. Capital stock, $1,000; subscribed, $5.

Light Business in Southern Stocks.

Last week's trading on the Los Angeles Stock Exchange was lighter than has been recorded for some time. Prices remained about stationary with one or two slight advances and a loss of a point or so on other stocks.

Reed Crude ruled strong during the week at 48 cents. Uncle Sam registered an advance of 1 cent. A rise of half a point in Westlake was not an unlooked for event. In fact it has been quite well known that this stock would probably advance several points on anything like a strong buying market. Central stock was offered down as low as $1.01 with 96 cents bid which is low water mark for this security, Pacific Slope still rules at 1½ to 1⅝ cents. An attempt to realize on Continental showed this stock at a lower figure than previous quotations, having been offered in quantity at 92 cents.

Among the mining stocks, Arizona Giant and Butte Lode still remain the favorites. Bank stocks have remained about stationary with slight advances on the part of one or two. State Bank & Trust company's paper is now bid $96, asked $102, as compared with $90 bid, $92 asked, the previous quotations. Several other of the more popular stocks have made like advances.

London Oil Company

Owns 5,000 Acres Experted Oil Lands

SIX BIG POINTS FOR INVESTORS

Point No. 1 Large acreage, 5000 acres makes a valuable asset for a company to build on in strengthening the safety of the funds intrusted by the investor.

Point No. 2 Five sub-companies are now forming to operate on these lands. Stockholders get the benefits from their operations as they each one pay a portion of their profits to the London Oil company.

Point No. 3 A rig has been ordered by one subcompany, the London-Calistoga, and will be at work drilling this month.

Point No. 4 Over fifty companies are now operating in this Fresno-San Benito district. Experts all agree that much may be expected from this district.

Point No. 5 A pipe-line charter has already been secured to Firebaugh on the San Joaquin river. River boats can take the oil from here, thus entirely eliminating thepossibility of a stagnation of the progress of the district on account of the lack of transportation facilities or thedetriment of exorbitant freight rates. A big pointer.

Point No. 6 Our officers are men of local and national reputation. Mr. C. H. Phillips, president; Hon. J. M. Gleaves, vice-president; Mr. O. A. Lane, secretary and general manager; Hon. James G. Maguire and Mr. C. H. Dunsmoor, directors.

The non-assessable treasury stock of this company is now selling for 50 cents per share. Call or write to the office of the company for prospectus or further information.

LONDON OIL COMPANY Rooms 6 and 7, 8th floor Mills Building, San Francisco, Cal.

OIL

On All Sides of the Arroyo Seco Oil and Development Company's Lands

OIL

Within the last thirty days five companies have struck oil whose property adjoins ours.

Our first well drilling; down 200 feet in two weeks.

Incorporated under the laws of Arizona, which makes the stock of the company absolutely non-assessable.

Capital stock $500,000. 500,000 shares. Par value, $1.00 each. 720 acres of land are located in the famous Arroyo Seco and Veratina Districts of Monterey County, California. Active development work will be started at once. Oil has been struck on all sides of our lands.

Now is the time to invest. Don't wait until the stock gets beyond your reach. Live agents wanted in every town in the United States.

REFERENCES:

First National Bank, S. F. Crocker Woolworth National Bank, S. F. California Petroleum Miners' Association, S. F. "Bonds and Mortgages," Chicago, Ill.

For further information, address

The Arroyo Seco Oil and Development Company was organized to develop lands for oil, and was incorporated on December 27, 1900, under the laws of Arizona. Under those laws the stock is non-assessable, and the private property of its stockholders is exempt from corporate debt. The lands of the company were selected in small tracts in different localities in order to obtain the benefit of the increased value accruing from development of other lands near us by other companies. The property of the company consists of 1160 acres situated in Monterey county, California, south and west of the Salinas river, about eight miles from Soledad, in the Arroyo Seco District; in the Veratina and Hames Valley Districts, about seven miles from Bradley; and in the San Ardo District, about five miles from San Ardo. The districts named are school districts, and the towns mentioned are on the coast line of the Southern Pacific Railroad. The land is owned by the company free and clear of all incumbrance. A map of our properties will be cheerfully forwarded on application. On December 31, 1900, the board of directors authorized the sale of 50,000 shares of stock. On January 15, 1901, and before the company's prospectus was issued, most of the stock was already sold. Another 50,000 shares will be offered at a price to be fixed by the board. From these sales it is calculated ample funds will be obtained to complete the work proposed, as herein stated.

H. R. EARLE, Secretary

480-481 PARROTT BUILDING, SAN FRANCISCO.

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, JUNE 14, 1901.

Oil Pioneers

The promoters of any new enterprise are usually subject to more or less criticism from those who either do not understand the purpose of their efforts or fail to appreciate their value. The oil men who are persistently attempting to exploit new fields and bring out the mineral wealth of the state are desesving of all credit and support rather than the reflections which are all too frequently made on them. A "wildcat" in the oil language, is not a dishonest scheme to make money, but simply a well which is being drilled away from proven territory with the object of developing a new field. There is no reason why a company drilling in "wildcat" territory should not be conducted in a straightforward and business-like manner, and the fact is that such companies should be as reliable as those operating in proven territory, the difference being that the stockholder takes longer chances with the object of getting larger profits in case of a fortunate strike. All our great oil-fields at some time or other in their history were "wildcat" propositions, and the promoters who put their money into them did so with many misgivings. Those who were successful became leaders in the industry, whose opinion has weight with less experienced operators, and those who failed, if they were wise, pocketed their experience and kept as quiet as possible. Certainly the courage and persistence of those operators who are engaged in developing unknown territory is worthy of the greatest credit. They are taking chances, and they know it, but if they win, the profits will be all the greater. Certainly the oil business of California is greatly indebted to the men who have given time and money to opening up new territory, for like any other business proposition it is a question of good judgment as well as good faith, and those who invest must be willing to run greater risks for the sake of larger profits.

Oil Stock Dividends

The really substantial and interesting fact about any corporation is its ability to pay dividends to the stockholders. The interested agent and the paid organ may talk continuously about the great and increasing importance of oil, the "first business of the state," and other time-worn stock phrases, but the investor cares little for the promise or importance of the in dustry, if he receives dividends on his oil stock. Although the past year is the first to see any considerable operations in California oil fields by stock companies other than close corporations, yet the dividends paid by nineteen of the sixty-eight companies listed by the Producers' Exchange amount to nearly one million dollars, in exact figures $971,800.00.

The total number of shares of stock of these dividend-paying companies is 5,520,000, of which 5,431,000 have been issued of a par value of $7,050,000 or 13.6 per cent. But most of the stock was issued far below par, so the percentage of returns for the early investors is very much higher.

CALIFORNIA OIL STOCKS DIVIDENDS.

	Date Last Dividend	Shares	Shares Issued	Par Value per Share	Par Value Shares Issued	Per Share	Total Dividends Paid
American Fuel	Jan. 18, '01	100,000	100 000	$ 1.00	$100,000	$0.01	$15,000
Aztec	Apr. 1, '01	250,000	235,000	.....	.....	.02	2,700
Buckhorn	Mar. 26, '00	20,000	16,000	10.00	160,000	.05	3 800
Burlington	Dec. 7, '00	60,000	60,000	1.00	60,000	.01	3.600
Central of Los Angeles	.....	750,000	750,000	1.00	750,000	.....	73.000
Central Point Consolidated	May 1, '01	200,000	190,000	1.00	190,000	.02	19,000
Continental	April 20, '01	300,000	240,000	1.00	240,000	.03	7,200
Four	May 15, '01	300,000	300,000	1.00	300,000	.01	12,000
Home	April 20, '01	100,000	100,000	1.00	100,000	.10	230,000
Homestake	June 1, '01	10,000	10,000	10.00	100,000	.15	29,500
Kern	Dec. 17, '00	100,000	100,000	1.00	100,000	.25	350,000
Kern River	Sept. 15, '00	20,000	20,000	5.00	100,000	.50	10,000
Oil City Petroleum	June 5, '01	500,000	500,000	1.00	500,000	.00½	2,500
Producers and Consumers	March 1, '01	10,000	10,000	100.00	1,000,000	.10	56,500
Reed Crude	April 1, '01	2,000 000	2,000,000	1.00	2,000,000	.02½	50,000
Rex	Oct. 29, '00	100,000	100,000	5.00	500,000	.03	26,000
San Joaquin	Jan. 20, '01	100,000	100,000	1.00	100,000	.10	10,000
West Lake	Sept. 29, '00	500,000	500,000	1.00	500,000	.01	50,000
Yukon	Oct. 30, '00	100,000	100,000	2.50	250,000	.02	21.000

Number shares, 5,520,000. Shares issued, 5,431,000. Par value shares issued, $7,050,000. Total dividends paid, $971,800.

Texas Competition.

Promoters of California oil companies, who have found that the companies operating in the Beaumont field were active competitors in selling oil stock, will breathe easier to know that there have been several dry holes abandoned in that field lately at a depth of 1800 to 2000 feet, and that it is altogether probable that the western limit of development has been reached. Stock buyers have been inclined to favor Beaumont oil stock as promising larger returns than California companies, but now that the limits of the field are becoming marked, there will be much less inducement to buy stock in companies which are not likely to bring in anything but dusters. The fame of the Beaumont gushers has made it possible to promote companies miles away from the proven field and this has aroused much hostile criticism from the Eastern press, which will also have a tendency to check the investor from putting money in a field which has thus far only shown itself to be a freak or "crevice" formation.

Clara Foltz is now the editor and publisher of a paper called "Oil Fields and Furnaces," the first issue of which came out last week. This paper is a monthly published in San Francisco, and will be devoted to the oil and manufacturing industries of the state of California.

Fuel oil is being pumped about equal in quantity to its requirement; if prices were more seductive, a large number of wells now capped would be furnishing considerably more.—T. W. Harrison.

The Mountains in Summer.

CASTELLA, SHASTA, June 11, '01.

Years ago at Phillips Academy the principal item of food was hash. We were sure to get it once if not twice or three times a day, and a favorite song with the boys was one sung to the old tune "Sister thou wert mild and lovely." The words were "Hash for breakfast, hash for dinner, hash for supper, HASH." We in camp have altered the song so it goes, "Fish for breakfast, fish for dinner, fish for supper, FISH. Verily I shall want no more trout for a year. We have had it fried, broiled, baked, boiled and chowdered. I believe the chowder goes best of all.

The Sacramento river is falling rapidly and when the wind does not blow hard from the north the fish rise well to the fly.

Yesterday two of us went up Castle Creek and in three hours' fishing got 150. They run a little smaller than the fish in the Sacramento and do not take the fly as well.

Yesterday one of the young lady campers received a fly rod as a gift from the city, and proceeded to fish. It was her first experience.

She hooked a good fish at about the third cast, dropped the rod with a shriek of joy, and rushed into the river in the attempt to seize the fish in her hands. Needless to say the fish got away and the lady got a thorough wetting. Next time she will hold on to the rod.

On Wednesday we were told the summit of Castle Crags was only distant three miles and a half, so three of us started at eleven expecting to get back to the camp by one o'clock. The summit is 3,000 feet higher than the camp, and it was nearly four o'clock before we returned. Instead of the round trip being seven miles it is nearly twice that distance, and the last two miles is as hard a climb as one wants to tackle. But the view obtained amply repays the trouble. You can see Shasta from summit to base, note where the snow line commences, and view the entire range of which Mt. Shasta is the crown and glory, the king of mountains, and presenting one of the most magnificent and inspiring spectacles that this or any other country can produce. One never wearies of looking at it for it is never twice the same and always grand.

Even here, way up in the mountains, I find people have the oil fever, and are investing in the stocks of various companies, some of which are good, and some are not. One man says he put $100 into the shares of a certain company and today he can sell out for nearly $1,000. Another invested $50 and he would be glad to get $25 for his stock. If I go to the little mountain store, or to the station for mail some one will surely tackle me on "oil.' It is impossible to escape. There is an oil tank car with almost every freight train that toils up the grade across the river, and the trainmen say the number of cars of crude petroleum that is being sent up the road into Oregon and elsewhere is increasing rapidly.

One man believes oil could be struck near by, and wanted me to to go out and see the surface indications. But I am here to fish, not to look at oil indications, and I could not be induced to leave the river and its finny denizens.

The attractions of this portion of the state for a lover of nature are many. A botanist can here revel in flowers of every hue, shape and size. Just now they are in their glory, and the hills and woods in places fairly blaze with floral brightness. The children keep the table loaded with bouquets that for variety and brilliancy of coloring can hardly be surpassed by a city florist.

Butterflies are fluttering on every hill and in every canyon. Many of them are the familiar ones we used to see "way down east." There is the old Antiopa, and the various varieties of the Papilio family, the yellow Turnus being particularly numerous. But there are very many varieties that are new to me, and are seldom if ever seen in San Francisco or across the bay. In a day or two one could secure a collection that for variety of species and brilliancy of coloring would be difficult to surpass in any state.

It is reported that a few big salmon have been seen in the river, and that they are occasionally caught with a fly near the camp. May it be my luck to get one.

If anyone, be he in oil or any other business, desires an outing "near to nature's heart," and in a region wild yet easily accessible, and with expenses at a minimum, let him try the camp at Castella. He can hire a furnished tent or cottage, or can rent him a comfortable room in the hotel which is now being completed, and which is situated within the camp, surrounded and almost covered by lofty pines.

He who can get away into the country if only for a week should do so. It is the best of medicines and a preventative of many ills.

W. B. WINN.

TANK STEAMER FLEET.

What the Vessels of the Standard Oil Company are Doing.

The Anglo-American Oil company, which is the name under which the Standard operates in Europe, has a fleet of tank steamers for carrying oil to the different ports of the word similar to one which will be built for the Hawaiian trade on this coast.

Prior to 1890 the tank ships had their engines far aft. Then an attempt was made to place the engines amidships, with tanks at both ends, causing much comment and apprehension on the part of the marine underwriters. There were devices arranged, certain steam jets to blow the gases from the oil out of the shaft alley. The several vessels constructed in this manner were soon condemned, and builders returned to the former method of placing the engines aft and the tanks forward of them.

There has always been much difficulty in keeping the tank ships tight, as the oil eats the rivets. At present the underwriters have nothing to do with the oil craft, the owners insuring their own vessels.

A tank ship may be described as a steel marine Goliath, divided into steel walled, air tight compartments located forward of the motor section and living rooms. It is loaded and unloaded by pumping the oil direct to and fro between the wharf reservoirs and the compartments of the ships. Each compartment holds on the average 140,000 gallons of oil, and each tank ship has from twelve to twenty compartments. Aft of the compartments are the engine and boiler rooms which the oil can reach only in case of extraordinary wrecks. Aft of the motor power are the living rooms.

A spirit of automatism prevails on the tank ship, so regulating the flow of oil that the compartments are filled without wasting a drop. The tank ship is loaded to the shell, from keel to amidships deck, except that forward is a dry compartment for other freight.

The highest type of tank steamships is found in the Tuscarora class, carrying 1,500,000 gallons of oil in bulk. The twenty oil compartments are connected by a complete system of pipes with the pump room, where are powerful duplex pumps for handling the cargo, with connections to all the sea valves. About six hours is sufficient to discharge the cargo. The 10-inch mains have bell-mouth suction connections fitted with independent valves tested for an oil pressure of 400 pounds to the square inch and designed to stand the action of salt water and naphtha. They are operated from the upper deck by means of the valve rods fitted with connections.

The square iron boxes one sees on the deck of tank ships are expansion hatches over the tanks, in which the oil rises and falls with the barometer, or, as it is made to expand or contract, by the atmosphere.

There are about two hundred tank ships engaged in the transport of American oil, most of them sailing from New York, Philadelphia and Baltimore. In addition, 300 oil cask vessels are engaged. This great fleet of 500 vessels handled in 1900 the enormous total of one billion and a half gallons of oil, mostly refined, a fraction of it 134,000,000 gallons, being crude oil. Many of these ships carry other cargo on the return trips.

Four tank ships which left New York last year loaded with grain arrived at their destination without a trace of the odor of petroleum and delivered their cargoes in perfect condition. One tank ship takes oil in bulk from Philadelphia to Calcutta, there loads with coal for Singapore, where it is cleaned, and takes on spices and chemicals for New York.

The President's Oil Land.

There was filed with the county recorder of this city a quit-claim deed from John J. Eagen of Oakland to the President of the United States conveying title to an undivided fourth interest in the northeast quarter of 22, 19-14. This property is situated between five and six miles due west of Oil City, in the Coalinga field. This immediate district has not been much developed as yet, but is within the West Side fields. The consideration for this fourth interest in a quarter section is between $1500 and $2000—a pretty good price—which certainly shows confidence in the possibilities of the field. Among the companies within a few miles of the President's property are the Roanoke and Fresno-San Francisco, in section 26, 9-14, the first named being within two miles and the second about three miles away.

Seepage in Solano.

Considerable excitement was created in Suisun Wednesday when the report reached town that a seepage of oil was encountered in Armijo Oil company's well. Many people went to the Miller ranch during the afternoon and evening and were convinced of the truth of the report. While oil in but small quantities was bailed out of the well, there was enough of it in evidence to satisfy those interested in the company that Mr. Ogden, the expert, made the correct location.

Were You Ever Bitten by a Wildcat?

Have you ever bought oil shares from an angel who had land in an oil paradise? Have you learned that he was Satan in the garden and that his lands were a stony hell of lizards, alkali and sand? Have you been robbed of your money by false pretenses?

Have You Dreamed a Dream of Gold and Woke to Ashes and Regret?

Some people are making fortunes in oil. Isn't there a legitimate dot for you? Use the gray matter in your skull. "We are different." For every dollar you put in our company for shares we will give you a Security Bond to secure you against any possible loss. You can borrow on this bond, with it alone for security, if you get hard up and want to pay the assessment charges on stock you may hold in assessment companies

Investigate our proposition; scrutinize our securities; get your faith back; recoup your losses. CALL; talk to us. Thousands have been swindled by the oil jackals, whose sole object is to separate people from their money.

Only Proven Wells Whose Product is Sold Make Dividends Legally Possible

Conservative investors in California oil properties are reaping legitimate fortunes, while advertising highwaymen are deliberately stealing fortunes from their victims. Shall these pirates get any of your hard-earned cash? Or, if they have already done so, WILL THEY UNTIE YOUR PURSE AGAIN?

Millions have been made and millions more can be made in California oil.

USE YOUR BRAINS AS WELL AS YOUR MONEY

If you buy our stock you will find your shares accompanied by a security bond bearing 3 per cent interest, payable semi-annually. Its face value is the face value of the shares purchased. This bond absolutely guarantees your stock against loss. Read what our bondsmen say:

California Safe Deposit & Trust Co.
CAPITAL FULLY PAID UP $1000 000
REGISTERED TELEGRAPHIC ADDRESS TRUSTCO
SAN FRANCISCO

SAN FRANCISCO, April 10, 1901.

The Paxton Gold Bond Oil Company, San Francisco, Cal. Gentlemen:

Replying to your communication of 9th inst., we desire to state that every bond issued by the California Home Building Loan Company for the purpose of guaranteeing the par value of the stock of the Paxton Gold Bond Oil Company is protected by first mortgages held in trust by the California Safe Deposit and Trust company to insure the payment of said bonds.

Respectfully yours,

Vice-President and Manager.

CALIFORNIA HOME BUILDING LOAN COMPANY.
Rooms 1466 and 1407, Claus Spreckels Building.
SAN FRANCISCO, April 16, 1901.

To the Paxton Gold Bond Oil Company, San Francisco, Cal. Gentlemen: Every bond issued by the California Home Building Loan company is protected by first mortgages on real estate worth not less than double the amount of the bonds issued. The par value of the notes secured thereby shall at all times exceed the amount of bonds issued by at least 10 per cent. Said mortgages are assigned to, and deposited with the California Safe Deposit & Trust Company, as trustee, and held by them to secure the payment of said bonds.

President.

These bondsmen have Bradstreet's and Dun's highest ratings. IS THERE ANY WILDCAT IN THAT?

The Paxton Gold Bond Oil Company's stockholders share in all dividends, besides draw 3 per cent interest on their invested cash.

ABSOLUTELY PROVEN OIL LAND.

Its location (one of them) comprises 40 acres of the famous Ferndale Tract, on the east half of Section 16, T. 21 W., R. 4 N., S. B. base and meridian, in the heart of the Ventura District of the California fields. Our land will easily support 40 wells. Some of our neighbors are the huge rich corporations, such as the Capital Crude, Westlake Rummel, Pacific Coast, Whidden & Dobble, Union Oil Company, the world-famous Bard wells, etc. Over 200 wells surround us. The Ventura field is the most highly developed in the world—560 miles of pipe lines to the ocean, railways and refineries; 195,000 barrels tankage; high gravity oil, worth two to ten times the price of common fuel oil; producing wells 20 years old. It has made several millionaires and will make several more. One 100-barrel well means 17 per cent interest on our entire capitalization. We have contracted to put down four wells within one year.

Have You Any Idle Money? Why Not Invest? You Can't Lose

The Paxton Gold Bond Oil Company is organized under the laws of Arizona; capital stock $500,000, divided into 500,000 shares at $1 each, fully paid and legally non-assessable. It has placed 100,000 shares of its treasury stock upon the market at $1.00 per share, accompanied by a SECURITY BOND BEARING 3 PER CENT INTEREST.

Suppose You Try It Over Again and Go In Right

The number of shares you want and the security bond which protects you against loss will be sent to you with your shares. You take no chance. THE WORST YOU CAN DO IF YOU INVEST IS TO MAKE 3 PER CENT INTEREST AND YOUR CASH RETURNED—THE BEST A FORTUNE.

Remittances may be made direct to the main or branch offices. You see what you are buying. You get what you pay for. You cannot lose. Our security bond is negotiable. It is written in every bond that the holder thereof will be loaned 53 per cent of its value at any time with the bond alone as security.

References as to the value and validity of bond: Pacific Coast Underwriting Co.; California Home Building Loan Co.: California Safe Deposit and Trust Company, all of San Francisco, Cal.: also special reports of Dun and Bradstreet; banks on application.

Agents are selling guaranteed stock very readily. A few good agents wanted.

Send for Prospectus

We are Different

PAXTON GOLD BOND OIL CO.

318 Kearny Street, San Francisco, Cal.

Branch Office, Paxton, Ill. Chicago Office, 167 Dearborn Street Fifth Floor

ANSWER THE CHARGES.

Railroad Attorney's Reply to Oil Men's Complaint.

The Southern Pacific filed with the Railroad Commissioners an answer to the complaint of John La Blanc of Bakersfield, who alleges that the rates charged by the railroad companies for hauling petroleum are excessive, and so high that there is no profit left for the producer. He also claimed that the price of $5 for switching cars from Oil City to the spurs adjacent to the wells is exorbitant.

The rate is 42 cents a barrel, and an additional charge of 3 1-3 cents and 4 2-3 cents is made for switching. La Blanc asked that the rate be fixed at 25 cents a barrel, with no extra charge for switching. It was recently shown that the Southern Pacific transported oil from the Beaumont fields in Texas twice the distance from Bakersfield to San Francisco, for less than half the cost.

The answer is signed by Attorney Foulds of the Southern Pacific and is a long document. The attorney in his reply claims that the price of oil at the present time is low through the mismanagement of oil men in general; that they keep cutting the price of petroleum to try and compete with each other, and that the result is that the oil is sold far too cheap. He also pointed out that some oil companies are so short of funds that they have not enough capital to even build an oil tank to store the oil for a short time, but have to rush it straight to the market.

The railroad in its answer says:

"These defendants deny that on account of the very great increase in the production of oil within said state of California during the two years last past the market price of oil is very much depreciated, but allege that such depreciation is to be attributed to the reckless competition of oil producers with each other, and the sacrifice, without regard to its real value, at whatever figures may be offered therefor, of large quantities of oil produced by persons or corporations who have entered into the business of producing oil without the necessary capital or facilities to enable them to store the same, as to prudently and judiciously market such product.

"These defendants deny that they charge or exact, in addition to the rate of 42 cents per barrel alleged in said complaint, for the use of the spur track to the point called Oil City 3½ cents per barrel of 42 gallons, or any higher than 3 1-3 cents per barrel of 42 gallons.

"These defendants deny that said branch line of road or spur track from the point where it leaves the main track in its farthest extent, does not exceed in length two and one-half miles, or that such spur or switch charge, as alleged in said complaint or any spur or switch charge made by defendants, is excessive or unreasonable, or is very much or at all in excess of any reasonable or proper charge therefor or is an arbitrary or unreasonable charge.

"But these defendants alleged that the length of said spur track from its junction with the main line to Oil City is 5.4 miles, and from its junction with the main line to its extremity at spur 17, via Treadwell, is 3.30 miles. That between said junction and the town of Sumner or Bakersfield, which town is the nearest place at which trains can be made up and dispatched, is a distance of 4.55 miles.

"That each and all of the cars of oil coming from said spur have, in addition to the actual work upon the spur, to be hauled to Bakersfield; that adding the distance between said junction and Bakersfield to the length of spur over which such switching is done, and making the same practically a part of said spur or switching charge.

"That, therefore, the actual switching service between Oil City and Bakersfield performed by these defendants, in addition to the service of transporting the oil to its ultimate place of destination, is over a length of track of substantially ten miles, and between said spur 17 and Bakersfield is over a length of track of substantially thirteen miles.

"That in addition to the service of hauling out the loaded cars from said spurs, such cars are necessarily transported empty from Bakersfield to said spurs, thereby doubling the distance aforesaid and making instead of the distance of two and one-half miles, as alleged by plaintiff, a distance of twenty and twenty-six miles of switching for which the charges of 3 1-3 and 4 2-3 cents per barrel, respectively, are made and that each charges are fair and reasonable."

The answer also argues that the price of switching is fair, and that the Southern Pacific can see no overcharge or any reason why the present price for transporting petroleum should be changed.

In conclusion, the railroad claims that the oil could not be carried for 25 cents a barrel with any profit. The Santa Fe will file a similar answer.

The Southern Pacific also filed a petition with the United States local inspector of steam vessels, asking permission to use petroleum for fuel on its ferry boats plying between this city and Oakland and Alameda. The matter has been taken under advisement.

Refining California Oil.

The refining of oil is reaching large proportions in Los Angeles, where, in all probability, within sixty days, the consumption will exceed 100,000 barrels of crude oil a month, an increase from 30,000 barrels at the beginning of the year. This consumption is divided among seven refineries, which have a nominal capacity of about 150,000 barrels a month, and which will probably reach that point before the close of the year.

The impression prevails that California oils are not refined, and cannot be, but the fact is that all of the oils find some utility in going through the still, while from a considerable portion of them an illuminating oil is produced of very satisfactory quality, though not generally the equal of the oil produced by eastern refineries. From the heavy oils asphaltum is produced of much value, while distillates and lubricating oils are produced in large and increasing amount.

Special Announcement

A great many of my clients have been making money by investing in shares of a number of oil companies, the rise in one of which paying for more than the cost of all the balance. Such investments are growing in favor and there is not a day when I don't receive application to furnish an assortment of oil stocks for a certain amount of money.

In order to facilitate such orders I have made up a list of different assortments of oil stocks to be got for amounts set opposite and will so furnish same as below on receipt of money order or draft.

No 1 for $20.
100 shares California Rock Oil.
200 shares Three States.
100 shares Kern River O. & D.
500 shares Pittsburg Con.
100 shares Lone Star.

No. 2 for $30.
100 shares Bachelors.
250 shares Three States.
100 shares London.
150 shares California Rock Oil.
100 shares Lone Star.

No. 3 for $40.
100 shares California Fortune.
100 shares Bachelors.
100 shares Three States.
500 shares Pittsburg Con.
150 shares Kern River O. & D.

No. 4 for $50.
100 shares California Mutual.
100 shares Kern River O. & D.
50 shares Grand Pacific.
100 shares Bachelors.
100 shares Three States.

No. 5 for $60.
100 shares Bachelors.
100 shares Grand Pacific
500 shares Santa Maria.
100 shares Three States.
500 shares Pittsburg Con.

No. 6 for $75.
100 shares California Mutual.
50 shares Grand Pacific.
50 shares California Fortune.
200 shares California Rock Oil.
500 shares Santa Maria.

No. 7 for $100.
100 shares California Fortune.
200 shares Bachelors.
500 shares Santa Maria.
50 shares Grand Pacific.
500 shares Pittsburg Con.
200 shares Kern River O. & D.
250 shares Three States.
100 shares London.

Orders will be filled in rotation and will receive gratis a copy of the Ready Reference Book, containing the latest information about oil stocks. First come first served.

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SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

FRESNO.

A new cable has been added to Echo rig.

The Echo company's well is down 800 feet.

Coalinga No. 10 is down 1600 feet, with considerable gas.

It is said the Esperanza will resume work in a few days under a new superintendent.

Golden State company will finish its first well soon. It is down 900 feet and looks promising.

Caribou Oil company's No. 4 was completed last week and will be about a hundred barrel well.

El Capitan No. 1 which is a producer will probably furnish gas to light derrick at No. 2.

Star Oil company is pulling its 5⅝ and 7⅝ casing and reports say that it will cease operations in this field in a few days.

The Blue Goose company has levied an assessment of $2 per share and will put down another well, beginning work as soon as possible.

Producers' Guaranteed Oil company is now figuring on putting down a No. 2, as the one now being drilled will undoubtedly be a good well. Considerable oil appeared in the water bailed out last week, and on Tuesday last strong gas was struck.

A full crew will undertake to straighten the 170-foot hole known as No. 2 of the California Rock Oil company. Mr. Roberts is the superintendent, and says that if this hole cannot be straightened the rig will be moved and another well started.

It is reported that a new pipe-line will soon be built, connecting the Confidence district with the railroad. Storage tanks of this line wil be erected a short distance west of the section house of the S. P. Co. This company consists of Fresno and Los Angeles parties.

Aetna company has sunk five wells. No. 1 was a bad hole; No. 2 is shut down, but work will be resumed on this well soon; No. 3 was a 15-barrel producer at 750 feet, but was cased off, sunk deeper, and is now 1150 feet deep, is in brown shale showing oil colors and promises to be a good well; No. 4 is a producer and No. 5 is drilling.

Caribou's No. 4 is not only the best well that this company has sunk, but was put down quicker and cheaper than any well in the Coalinga field. This well was finished just five days from the day of spudding in, and one string only of 7⅝ casing was used from top to bottom. The casing has all been pulled from Caribou No. 1 and that well is permanently abandoned. This company has closed down and will not drill any more until a pipe line is laid, after which they will start two strings of tools

KERN.

Columbian on section 29 is about ready to let the drill drop for its third well.

McFadyen expects to resume work on its well in Kern river within a few days.

Balena No. 1 is being deepened. A rich sand has been encountered at 1220 feet.

Panorama, on 14, 29-28, is 700 feet deep. It is expected that it will be drilled 1500 feet.

Union oil is in the McKittrick field to handle oil, and is surveying out a pipe line.

Piedmont No. 2 has been put on the pump and is producing a large amount of oil.

The "19" oil company is preparing to erect several derricks on its property in Kern River.

Grace Oil company has gone into the fourth stratum of oil sand in No. 5, on 8, 29-28, Kern river.

Minnehaha on 19, 28-28, will go to a depth of 2500 feet, and will not use the upper sand at present.

J. L. McCally has been awarded a contract to sink a well for the Midway-Oregon in the Midway district.

Mercedes, Kern River, is working four rigs and all are in an encouraging stratum, giving promise of good wells.

Eastern Star Oil company has completed its fifth well in Kern river, and has three on the compressed air pump.

San Joaquin well No. 16, Kern River, which started in flowing ten days ago, produces daily several hundred barrels of oil.

Kern Oil will move a rig to the northeast of 32, 28-28 and drill another well on that quarter. The company has one well there.

Linda Vista No. 2 has its nine and five-eighths casing down 920 feet. The indications are that this well will be equal to well No. 1.

C. E. Graham has leased a quarter of a section on 1, 11-24 from the S. P. company. Two wells a year will be drilled for ten years.

The well of Rinconado in Sunset on 6, 11-23, is down near where the oil sand is thought to be, but a shoe lost in the hole has caused delay.

Work on the Sunset railroad has been partially suspended, pending the settlement of the course to be followed in the construction of the grade.

Pittsburg, whose rig was burned down recently, is about ready to finish the well with a new outfit. This well was commenced about a year ago.

Palo Alto is about ready for drilling on the southeast of 24, 28-27. The rig is in place and spudding will be in progress within the next few days.

C. E. Graham has leased a quarter of a section on 1, 11-24 from the Southern Pacific company. Two wells a year will be drilled for a period of ten years.

Acacia has suspended operations on the south side temporarily. It has ordered eight-inch drive-pipe and as soon as the pipe arrives will resume work.

California Fortune's flowing well at Sunset has filled tanks and sump holes, and the problem that the company has to meet is what to do with its accumulating oil.

Elzuma Puero is moving its outfit to the McKittrick fields, where it has a lease, and will soon go for oil. The hole which it has been drilling has been abandoned.

The Bishop strike, in the Temblor dis-

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Ventura County

Pipe Line To Ocean

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trict, reported a few days ago, has been verified. The stratum encountered, though not very thick, carries considerable oil.

Grey Gander is drilling another water well. No. 1, which was turned into a water producer at 800 feet, will be deepened as soon as the water can be shut off.

It is reported that the Chicago Extension has struck oil formations on its holdings on the south side of the river about five miles east of Kern City. The The report has not been verified.

McKittrick Consolidated has removed a portion of its equipment from the grounds at McKittrick. It has been encountering some hard formations and made slow progress.

J. B. Batz will hereafter be manager in the field of Occidental on 2, 11-24. It has a large quantity of oil on hand. The wells will probably be capped until a disposal of the oil on hand is made.

Clairmont well No. 1 is pumping steadily, well No. 2 is now down 750 feet and is gradually being forced to a greater depth. The company expects to commence drilling a water well soon.

It is reported that rigs working near the north line of the county are making fine progress, and in time will prove or disprove the theory that the belt extends several miles north of the Kern River field.

Dabney has brought in another well at McKittrick, being the sixteenth producer on its list. During the month of May the company shipped out 15,000 barrels of oil and this month it expects to do even better.

Sinnemahoning on 19, 28-28 dropped into a stratum of sand at 1200 feet, proving the richness of the northwestern extension. It is almost the pure product and was so for at least fifteen feet, to which depth the drill had been sent into the oil stratum.

A strike is reported at the Bishop camp on section 13, 29-20 in the Temblor district. Oil is said to have been struck at 700 feet in large quantities. The Bishop property is a short distance from the Eureka hole which was abandoned some time ago at a depth of nearly 1500 feet.

Famosa has completed its third well in the Kern River field and has added another fine well to its list. The well was completed at 907 feet, and as a source of supply has gone through over 500 feet of rich oil sand. Work on No 4 will be in progress at once.

The Kern Oil Development company, which has leased twenty acres in the SW¼ of the Chicago Crude property, 30, 28-28 is down 920 feet with nine and five-eighths casing. This is a good depth with so large a casing. The company is at present in rich oil sand and the prospects for a good well are encouraging.

George H. Taylor will take charge of Superior Extension water plant on 28, 32-24, and henceforth manage affairs at the camp, The well has proven its capacity to be about 100 barrels per day, and there is a lively demand for all that can be produced. The company has a rig up and is ready to drill another well.

Mount Diablo has finished a well on the NW¼ of 26, 22-23, moved to the NE¼ and will soon be ready to spud in. Four wells are being drilled on 25, 23-23 by companies who lease from the locators. The company has proved that the oil formation underlies its property, but the extent has not been determined.

Cortez No. 1. which was put on the pump a few days ago, is pumping steadily and the well is reported to be a good one. No. 2 was perforated last Tuesday. It has 500 feet of rich sand. The casing was landed at 1110.

Grace on 8, 29-28 is in oil sand at 1300 feet. This company decided to go deeper than any other wells on the same ground. Since the dip of the country is to the west from the Grace wells it would seem as though the wells on 7 were some distance from the stratum in which the Grace is working.

It is the report, and a report only, that Aztec, Central Consolidated, Senator and two other Kern River companies have in combination entered into a contract to sell 3,000,000 barrels of oil at the wells, deliverable at the wells, for forty cents, the oil to be sent to the Hawaiian islands.

Dirigo, one of the Boston companies operating at Sunset, has struck oil on 2, 11-24. It is located in a portion of the district famed for good wells and striking oil is only a matter of going down about 500 feet. The penetrated oil stratum is said to surpass anything yet found on the section. The company expects that the well when completed will equal the Arcola wells.

Many sales of oil land are being placed on record in Kern county, a large portion of the property passing to new companies, partly organized in Eastern cities. The larger companies are finding gradual subdivision of their holdings an advantage, the great task of developing many acres being better accomplished by several companies.

Letters of inquiry as to what oil can be had for are daily being received by the producers of Kern river. It is said various manufacturers of the state are contemplating adoping the use of oil as fuel, but are holding back at present on account of the uncertainty of the price and their inability to get encouraging answers to letters of inquiry.

The action of the Supervisors of Kern in granting the petition for the road to the oil fields finds favor in Kern. Some time since $400 was raised to pay for a right of way if condemnation proceedings became necessary, and this amount is on deposit with the county treasurer. It is not needed for the purpose named, and will be returned to the subscribers.

A report was brought in on Saturday from Sunset that Stratton on the southwest of 32, 32-24, made a strike and that the oil is flowing in quantities sufficient to run down the canyon. The report had it that the strike was made at 1200 feet, and if it be true it is significant, for it makes good the property of the Geyser and Majestic, and gives assurance that the Lucky Boy will bring in a well. Mountain Boy on 22, 32-23, at Midway is also in sand at 600 feet. This well is close to the Bay City and just west of the Producers.'

The Queen City Oil company has surveyed and made a plat of the Sunset townsite and will soon begin the erection of store buildings and dwelling houses thereon and the company has also been assured that as soon as the Sunset road is completed, a depot will be constructed there. The lots as laid off are to be 300x100 feet. The streets will be sixty-five feet wide and the alleys twenty-five feet wide.

The well of Superior Development on 24, Kern River, which was abandoned by Ketching & Arnold, drillers, is being cleaned out by Hickey & Vezie preparatory to finishing the hole, which was sunk to a depth of 700 feet with eleven and five eighths casing. Without landing on a secure footing another string of casing was lowered with the result that the inner one could neither be lowered nor raised. Hickey & Vezie are pulling the casing and expect to be drilling in the hole.

Sunset Diamond, near Jewett & Blodget headquarters in Sunset, is an industrious producer. The well was drilled months ago and has been flowing the greater part of the time since. It was given a fifty-hour test last week and flowed 450 barrels. The oil is a much higher grade product than found in some other portions of the Sunset field and for that reason is very valuable. The flow of gas from the well has been made to serve a purpose. Pipes extend from the well to the cook and bunk houses and supply all the fuel and light necessary for the camp.

LOS ANGELES.

Zenith will begin drilling on a second well near Newhall.

The Commercial at Newhall will deepen its No. 2 and rig up for No. 3.

Freeman & Nelson are bringing in their No 3 in Placerita canyon, which will be good for ten barrels at least.

The Murphy Oil company's deep well No. 2, has been put on the pump.

Operations on the New England Oil company's No. 2 well, on section 30, are temporarily suspended.

Work has begun on the rig for the well to be put down by the Clarendon Heights Oil company on section 22.

The East Whittier Oil company is making good progress on well No. 2 with especially good indications.

The North Whittier Oil company's No. 2 is down over 200 feet. The new well is being put down with drive pipe instead of screw casing.

Nettleton & Kellerman are reported to be planning to send in two or three rigs to begin active development work at Newhall.

It is claimed that the Standard is endeavoring to make contracts with the producers in the Newhall, Piru and other neighboring fields for a long time at 70 cents.

The Whittier Producers' Oil company's well on section 24 was put down over 800 feet with eleven and five-eighths casing. There are now two strings of tools in the hole, and good progress is being made.

The Pacific Coast Oil company, the operations of which have been continuous for many years, has closed all operations except pumping since it became a branch of the Standard Oil company.

Santa Ana Oil company, which met with bad luck at Newport and Piru, is meeting with better results at Newhall, and is selling from thirty to fifty barrels a day to other companies from its first well. No. 2 is down 500 feet with 14 inch casing, which it is expected to extend to the 700-foot level, and then put in 11⅝ inch stove pipe casing. The oil obtained by this company is of sixteen gravity.

SAN BENITO.

The Grant Oil company has purchased a 2,200-foot cable line and a 2,000-foot sand line in order to continue the sinking of its well, which is now 1,150 feet deep. This well is remarkable in that it is 14 inches in diameter to its bottom and not a foot of casing has been used.

SAN BERNARDINO.

(Special correspondence)

The drill began dropping June 6th on the Kramer Consolidated Oil company's ground three miles north of Hiawatha. The contract for drilling a standard well was taken by Adams Bros. of Los Angeles. They have placed their outfit on the ground where about two months ago a small quantity of oil was found at a depth of 511 feet. The work of drilling the new well will be rapid, as a night as well as a day shift will be used.

SAN BERNARDINO.

George Chase of Chicago, representing an Eastern syndicate, on the 7th inst, filed upon 13,120 acres of land located twelve miles northwest of Victor, this county. He has been in that section for a week in company with a San Francisco oil expert, and he says there are very favorable indications of oil over the entire tract. Within thirty days machinery will be on the ground and drillers put to work.

It is announced that W. J. McGimpsey, acting for San Francisco and Los Angeles parties, was negotiating for the Cole and Harris ranch, also near Victor and consisting of 3120 acres. McGimpsey has offered the owners $312,000 for their property, which is said to contain oil bearing strata. Victor is forty-five miles north of this city and is comparatively a new field. Months ago oil was found there, and since then hundreds of prospectors have taken up claims for miles around.

People's Oil will drill on the deser near Kramer. Those interested have looked the ground over carefully and are so well satisfied with the surface indications that they have ordered an assessment of 1 cent per share and with these funds will sink a test well. Peoples' has about 11,000 acres of ground in the district. The strike recently reported from the Kramer Consolidated is very encouraging, and now that the company has replaced its light rig with a heavy Standard developments are being watched with interest.

TULARE.

Work is progressing favorably with La Mesa Chiquita's well on the Tulare-Kern

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Situated in **NINE DISTRICTS** in six counties of California. This is a sweeping statement, but our prospectus explains in detail. Write for a copy and carefully analyze our plan. We are the pioneer drillers in Napa County where **LUBRICATING OIL** is found in numerous springs. Our first well, commenced May 15, 1901, when completed, will put on stock above par. You can buy for a short time a limited amount of stock at **50c.**

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boundary line. The drill is in a beach sand formation, which is said to be a sure indication of oil below, as all other wells which have struck oil have encountered this formation first. The 11¾ casing is down as far as it can be bored, about 550 feet, and the company will immediately put down the next size, 9⅝, and continue on.

VENTURA.

Rig No. 1 is ready to drill on the Lemmon place.

The first rig has been put up on the property recently sold by John Burson on the Big Sespe.

O. A. Ivers and Mr. Schnider were looking over this oil property, and having let a contract for drilling, location was made for rig No. 1, on the Bardsdale Canyon Oil company's property.

The Petrolia Oil company, situated on Tar creek, is putting up its first rig and has a large force of men at work.

The Skookum Oil company, which is located in Pole canyon, has its road completed. The rig is to be built at once at the foot of Black Cap mountain. Lumber is on the ground for the same.

Mr. McDonald has completed his contract with the Montana, of 1200 feet. There is a showing of oil. The company is encouraged over the prospects and will continue drilling

Work will soon be commenced on the Northern Oil company's fine territory in Sisar canyon. The Northern's land joins the Capital Crude, Astarte, and other noted and old oil producers.

The Bardsdale Crude Oil company is going on with its development work, having a large force of men grading and building roads. No. 5 is the best well yet put down. No. 6 is now ready to drill. This is proving to be the best oil in this community.

KERN.

Kern King, on section 15, south side of the river, is working in blue clay at 750 feet.

Columbia, located near the Vernon, in Kern River, has decided to sink eight more holes on its property. The contract will be let this week.

U. S. has suspended operations on its first well. The small rig which it has been using was found inadequate for the work.

The drill in Dirigo hole on 2, 11-24 is in a rich stratum at 520 feet. The first oil sand was struck in this well last week.

Star at McKittrick will resume this week operations on the well on 11, 30-21. The company spudded in a short time since, but has been delayed for a time for casing.

California Fortune well No. 1, 34-12-24, continues to flow. The company is trying to devise some plan whereby it can save the oil, its tanks and sump holes being full.

Moneta claims to have beaten the record of the Kern field by sinking its 9 5-8 casing to a depth of 1110 feet. Four hundred and fifty feet of oil sand has been encountered and the drill is working in a valuable formation.

New Officers.

The meeting of the directors of the California Petroleum Miners' Association was called to order on Wednesday at 11:30 a. m. by O. A. Lane, temporary chairman. Dr. Deane nominated M. H. de Young president for the ensuing year, and Mr. de Young was elected by unanimous vote of the directors. The following vice-presidents were elected: Gen. J. M. Gleaves, 1st vice-president; A. R. Briggs, 2d vice-president, and O. A. Lane, 3rd vice-president. Dr C. T. Deane was elected secretary and Henry J. Crocker, treasurer. The board of directors elected last week were: M. H. de Young, H. J. Crocker, E. A. Denicke, George X. Wendling, E. P. Heald, J. M. Gleaves, Dr. T. C. Deane, O. A. Lane, W. B. Simmons and A. R. Briggs.

The president appointed the following committees on Constitution and By-Laws: Gen. J. M. Gleaves, O. A. Lane and E. P. Heald.

Finance and Auditing Committee: Prof. E. P. Heald, A. R. Briggs and E. A. Denicke.

Membership Committee: H. J. Crocker, G. X. Wendling and O. A. Lane.

After transacting the routine business the board adjourned to meet on Monday next at 11 A. M.

Work in Ventura.

In this old and defined old field work is quietly, yet actively progressing. Most of the companies operating in this territory are close corporations and the public hear very little of their doings, yet they are quietly working and making money for their owners. Among the most progressive companies operating in this field is the Santa Paula Gravity Oil company. This company has its first well nearly completed, which promises to be one of the best in the county. They are also preparing to commence drilling well No. 2. They are conservatively managed, yet are progressive. They have a very high grade oil, which commands a high price. They have a pipe-line to tidewater, which insures a market. These facts make the outlook of this company very brilliant, and anyone intending investment in oil would do well to investigate this company.

A Favorable Report.

Messrs. Shea and Peterson, the well-known oil brokers in the Hearst building, are the general agents for the stock of the California Guaranty Oil company.

The stock is guaranteed by the Continental Building and Loan Association of California. The lands of the company have been favorably reported on by Alfred Onn, and are situated in proven oil districts.

The company is organized under non-assessable laws, and will bear investigation by prospective oil investors.

Ventura County.

Many of the oil companies operating in Ventura county are meeting with marked success. This county is the oldest oil district in the state and produces oil that sells from two to ten times higher than the heavy fuel oils produced elsewhere. One of the recent companies organized and operating in this field has land that has been vainly sought for by oil men for a number of years. It is entirely surrounded by producing wells. This company's stock would be a good buy under any circumstances, but to fully protect the purchasers of this stock, the company gives a bond that absolutely protects the stockholders against loss from any cause. The bond bears interest and this interest is payable to the stockholders, which is practically a dividend payable twice a year, in addition to dividends declared on the stock. This company is the Paxton Gold Bond Oil company of 318 Kearny street, which has placed more of their bonded stock since the first of June than all the other bonded oil companies combined. They also have a small amount of unguaranteed stock that they are placing on the market at a ground floor price. Parties interested in oil stocks should see these people.

Calistoga Oil & Development Company.

The No. 9 Keystone driller for San Benito county has been delivered by the railroad to the Calistoga Oil & Development company at Tres Pinos. Mr. R. B. Todd, who has charge of all field work for the company is on the ground, and will start the rig to work at once. This company seems to have made a record for quick starting in Napa county where they are using a similar make of machine. The rig in that case was received from the railroad on Monday afternoon, and on Wednesday morning, drilling was commenced. As the work in San Benito county will be carried on some fifty miles from Tres Pinos, it will take several days to haul the fourteen tons of machinery that distance. It is probable that drilling will begin within forty-eight hours after the machinery reaches the property. Drilling will be rushed, and a producing well can be expected at a date not far distant. News from San Benito county indicates that great activity will prevail this summer, and according to the predictions of several experts, a wonderfully rich field will be developed.

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Information furnished in detail on application. Office, 1212 Fisher Building, Chicago, Ill.

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The lands of this company are located in the Devil's Den Oil District of Kern County, where a much higher grade of Petroleum has been developed than is found in the famous Kern River fields, and is pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, we are actually at work. We have no promoter's stock and are selling only treasury stock, every dollar of which goes into the development fund, which is held intact to pay for drilling operations only.

25,000 more shares at 5c per share. Stock may be withdrawn from public sale on July 1st. This is an opportunity for you to share in the profits of a well-located and entirely legitimate business enterprise. Buy now. This is a sure, safe investment. Send all applications to

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Incorporated under the laws of Arizona.
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This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.
The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.
The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.
Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.
Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

Watch for Reports of

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Oil Pool in the Gulf.

A press dispatch from Austin, Texas, disposes of the story of the existence of an oil pool in the Gulf of Mexico, off the coast of Texas, immediately south of the Beaumont oil field, which has long been told by marines and repeated with avidity since the discovery of oil near Beaumont.

One of the first batch of the corps of engineers and geologists sent out by the University of Texas under the law passed by the legislature at its last session, authorizing a mineral survey of the state has thoroughly investigated this so-called oil pool and Dr. W. B. Phillips, professor of field geology of the university, who is at the head of the State Mineral Survey, received several cans of the alleged oil, taken from this gulf pool.

It took but a casual investigation to determine that the substance is nothing more than the sea ooze which comes from the decomposition of animal matter found in the bottom of the gulf under the pool. This ooze when stirred rises to the surface and has the effect of quieting the waves as oil does. This pool is just west of Sabine Jetty. It has moved more than eight miles within the past few years and covers an area of about five square miles.

The character of this ooze examined by Dr. Phillips shows conclusively that the so-called oil of this pool has no connection with the oil field of Beaumont. The party under direction of Dr. Phillips will investigate the oil wells in the Beaumont field with the view of determining whether the product is of marine or other origin. It will be several weeks before this branch of the work is completed.

The El Dorado Oil company has set a good example in granting an extension of time to the Syndicate Oil company for complying with the terms of its lease, according to the Bakersfield Echo. It would be to the interest of the industry at large if all leases were so amended as to permit a brief suspension of work.

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23 Columbian Bldg., S. F.

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending June 12:

CALIFORNIA STANDARD.		
1000 at	27	270 00
400 at	25	100 00
CARIBOU.		
200 at	70	140 00
200 at	72	144 00
FOUR OIL.		
1000(S30)at	33	330 00
2100 at	35	735 00
HOME OIL.		
200 at	3 20	640 00
HANFORD.		
2 at	90 00	180 00
1 at	86 00	86 00
4 at	84 00	336 00
JUNCTION.		
1000 at	20	200 00
LION.		
1000 at	13	130 00
1400 at	12	168 00
MONARCH OF ARIZONA.		
1150 at	34	491 00
1000(S30) at	30	300 00
700 at	33	231 00
OCCIDENTAL OF W. VA.		
250 at	50	125 00
500 at	49	245 00
500 at	48	240 00
300 at	43	129 00
750 at	44	330 00
500 at	45	225 00
PEERLESS.		
10 at	7 37½	737 50
100 at	6 25	625 00
10 at	5 87½	58 75
50 at	5 25	262 50
PETROLEUM CENTER.		
3000 at	04	120 00
2000 at	05	100 00
8000(S90) at	04	240 00
5000(B 90) at	03	150 00
5000 at	03	150 00
STERLING.		
300 at	1 22½	367 50
400 at	1 25	500 00
SAN JOAQUIN.		
50 (B90)at	9 00	450 00

Shares 38,077 Amount $9,536.25

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, June 12:

AZTEC.		
500 at	1 50	750 00
BLUE GOOSE.		
10 at	1 00	10 00
CALIFORNIA STANDARD.		
300 at	27	81 00
700 at	25	175 00
CARIBOU.		
300 at	76	228 00
FOUR OIL CO		
700 at	35	245 00
HANFORD-FRESNO-KERN RIVER.		
200 at	05	10 00
1600 at	04	64 00
HOME OIL.		
200 at	3 25	650 00
1200 at	3 10	3720 00
925 at	3 15	2913 75
HANFORD.		
10 at	88	880 00
1 at	86	86 00
3 at	84	252 00
7 at	85	505 00
INDEPENDENCE.		
400 at	13	52 00
2200 at	14	304 00
JUNCTION.		
500 at	23	115 00
KERN.		
100 at	5 00	500 00
100 at	4 90	490 00
100 (B30)at	5 00	500 00
KERN RIVER.		
100 at	9 00	900 00
35 at	8 50	297 50
LION.		
100 at	11	11 00
500(B90) at	12	60 00
4600 at	12	552 00
200 (S90) at	11	22 00
MONARCH OF ARIZONA.		
500 at	35	175 00
593 at	33	195 69
325 at	34	111 50
600 at	32	192 00
500 at	31	155 00
MONTE CRISTO.		
500 (B30) at	2 15	1075 00
1000 at	2 15	2150 00
OCCIDENTAL OF W. VA.		
50 at	46	23 00
300 at	49	147 00
1350 at	45	607 50
700 at	50	350 00
OIL CITY PETROLEUM.		
200 at	26	52 00
50 at	25	12 50
50 at	27	13 50
PEERLESS.		
20 at	7 00	140 00
85 at	6 75	573 75
20 at	6 87½	137 50
20(B10) at	6 50	130 00
25(B15)at	6 50	162 50
50 at	6 37½	318 75
10 at	5 62½	56 25
20 at	5 87½	117 50
5(Cash)at	5 75	28 75
75 at	6 50	667 50
20 at	6 00	120 00
50 at	5 75	287 50
10(S90)at	5 00	50 00
25 at	5 37½	134 35
PETROLEUM CENTER.		
1000 (S 90)at	04	400 00
1000(S15)at	03	30 00
10300 at	05	515 00
7500 at	04	300 00
5700 at	03	171 00
100(S90) at	02	2 00
SAN JOAQUIN.		
100 at	8 50	850 00
235(B90)at	9 00	2115 00
20 at	8 25	165 00
10(B10) at	8 50	85 00
150 at	8 37½	1255 75
SOVEREIGN.		
50 at	21	10 50
300 at	15	45 00
150 at	23	34 50
50 at	24	12 00
400 at	20	80 00
2025 at	25	631 25
S. F. & McKITTRICK.		
100 at	1 00	100 00
SUNSET (ORIGINAL).		
400 at	20	80 00
STERLING.		
200 at	1 05	210 00
100 at	1 07½	107 50
100 at	1 10	110 00
200(B60) at	1 30	260 00
100(B5) at	1 25	125 00
1200 at	1 25	1500 00
100 at	1 35	135 00
TWENTY-EIGHT		
100 at	1 00	100 00
WOLVERINE.		
50 at	75	37 50

Shares 54,484 Amount $28,923.79

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The Queer Career of Coal Oil Johnny.

Wonderful stories have been told from time to time how persons have through sheer luck been suddenly enriched by fortunate speculations in the stock market, in the oil fields, gold fields, but none has a greater moral ending than the career of John Steele, better known throughout the country by the sobriquet of "Coal Oil Johnny," the great prodigal of modern times.

Let it then go upon record, that "Coal Oil Johnny" was a real person and that he did all the amazing things told of him and many more.

For years before he came into possession of his millions he drove team in the Pennsylvania oil fields, near Franklin. He was the adopted son of a Mrs. McClintock, who was burned to death in March, 1863 while attempting to hurry up the kitchen fire with kerosene. Her will, written soon after the death of her husband, bequeathed everything to "Coal Oil Johnny," who was twenty years of age. At the age of eighteen years he married Miss M. Moffett, of near Franklin. He had been hauling oil when a neighbor ran to tell him of Mrs. McClintock's death. He hastened home. A search of the premises disclosed $200,000 the deceased had hoarded. "Coal Oil Johnny" drove no more oil teams for the time being. He was a man of wealth, and until he reached his majority his conduct was irreproachable. He did not swear, smoke, drink or gamble. But after attaining his majority he decided to see some of the world. Mr. William Blackstone, who acted as his guardian until he became of age, paid him $300,000 in a lump.

His escapades supplied no end of material for gossip, and not only did he succeed in spending his money, but in making a reputation for himself as the biggest plunger of modern times. Shortly after receiving his money he went to Philadelphia, taking with him a boon companion named Slocum, whose assigned duty was the carrying of his money and paying it out as he chose to spend it. The life into which he plunged was so wild as to be almost beyond belief. Philadelphia, the Quaker city he painted vermillion. He gave away teams and carriages to the drivers whenever he wanted to take a short drive, and spent thousands of dollars a day. He ordered champagne, not by the bottle, but by the basket. He gave a $5,000 diamond ring to a minstrel for singing a song that pleased him. On one occasion he wagered a bottle of wine that he could spend, actually paying out and not giving away $10,000 dollars a day for two months, and he won the battle. Another time he received a large sum of money for rentals for his farm when he was on the street and intoxicated. It was in bank notes, as he always required it, checks being objects of suspicion with him, and when he stuffed it into his pockets they bulged out like an urchin's after a raid on an apple orchard. His coat could not set well on him, padded with money as he was, and he was disgusted. Just then he caught sight of a bank, and, rushing into it with the airy formality of "Here, take care of this stuff for me; it's a nuisance," he dumped the pile in front of the receiving teller and went away before that functionary could take his breath or collect his wits sufficiently to give an evidence of the deposit. And when John, as John Steele, as he was by this time known, tried in a spasm of sobriety to remember where he had left all that money, he was quite unable to do so. The loss did not worry him at all.

Occasionally his prodigality assumed a sensible phase. Twenty-eight hundred dollars, one day's receipts from his wells and royalty, went towards the erection of a soldiers' monument—a beautiful, magnificent shaft of white marble in the South park, Franklin. Except Dan Rice's $5,000 memorial at Girard, Erie county, this was the first monument in the Union to the fallen heroes of the civil war. Ten, twenty or fifty dollars frequently gladdened the poor who asked for a relief. He bought the fine clothes and diamonds for a minstrel troup touring the oil country. He bought a one-third interest in the show at Philadelphia. His first move was to get five thousand dollars' worth of wood cuts at his own expense. They ranged all the way from a one sheet to a twenty-four sheet in size, and were the largest amount any concern ever carried. The show went on the road and did an enormous business everywhere. At Rochester, N. Y., Mr. Steele treated the company to a supper which cost one thousand dollars. He then conceived the idea of traveling on his own train, and purchased an engine, a sleeper and a baggage car. Dates for two weeks were cancelled and the company went junketing, Johnny footing the bills At Erie they had a $500 supper, and it was there that he bought the first hack. The dates being cancelled, he insisted upon indemnifying the actors for the loss of time by paying all salaries, estimated the probable receipts upon the basis of packed houses and paid that amount to the treasurer of the company. In Chicago he gave another exhibition of his eccentric traits. He leased the Academy of Music for a season and the company did a large business.

On one occasion he hired the Girard hotel in Philadelphia and wanted to buy another house, but it was not for sale. The former could be leased for one day. The day Johnny had charge of it everybody in the Quaker City seemed to catch on. Open house was kept and a placard was posted in a conspicuous place announcing that everything was free. When Steele thought he had sufficient fun he turned the place over to the landlord. This episode cost him $3,000.

The day of the hotel transaction Steele went for a walk along Arch street. A rain setting in, he approached a hack in front of a fashionable store and essayed to engage it to carry him up to the hotel. The driver said it was impossible, as he had a party in the store. Steele tossed him a $500 bill and the hackman said he would risk it. When he arrived at his destination Steel said. "See here, Cabby, you are a likely fellow. How would you like to own that rig?" The driver thought he was joking, but Johnny handed him $2,000. A half hour later the driver returned with the statement that he had purchased the rig. Steel then gave him a thousand more to buy a stable, and the man today is one of the richest hack-owners in Philadelphia.

Suddenly Steele's wealth came to an end. When he was flying the highest, Captain J. J. Vandergrift, of Pittsburg, and others, kindly urged him to save some of his money. He thanked them for the kindly advice, said he had made a living by hauling oil and could do so again if necessary, but he could not rest until he had spent his fortune. Not only that, he succeeded in spending more than his income and was in debt. Of course, he had been plundered mercilessly right and left, but had literally thrown away several small fortunes, and creditors, scenting his downfall, were pressing him. He mortgaged his farm for a large sum, and plunged afresh wider extravagance and more reckless dissipation than before, but with less to go upon, and the end came quickly. His mad career was over.

After a short period of abject destitution, during which he was deserted by all who had preyed upon him, he went to work driving the Girard house, Philadelphia, stage, in which guests were carried to and from the depots. He soon wearied of that, and some one paid his fare back to Oilcreek valley, Venango county, where he obtained employment at a depot as freight handler. That was not sufficient to support himself and family and there was nothing more remunerative that he could find there to do.

Finally his wife raised, by the sale of her jewelry, a sum sufficient for the transportation of the family to Nebraska, and there, in Lincoln, "Coal Oil Johnny" settled down to live, for he was a willing worker at any labor he could procure. Realizing the evil fortune of such limitation as had been put upon his capacities by his ignorance, for he was barely able to read or write, he took care that his son, a bright lad, should receive as good an education as was attainable under the existing circumstances. When the boy was old enough he obtained employment as a ticket and freight agent at Ashland, Neb., and where his father is known as plain John Steel, as everybody about there knows him.

Mr. Steel is now a prosperous farmer and yearly visits his old homestead near Franklin, Pennsylvania. For some time he has not been enjoying good health, but manages to attend to his business. When in a reminiscent mood, while at his old homestead, he occasionally speaks of his career during the oil excitement. But the past does not worry him. He is living for the future and is essaying to lay up a snug fortune for rainy days.

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T. A. KIRKPATRICK, Secretary.

HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.

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WAR IN MIDWAY.

Arrests Begin to Follow the Recent Shooting Affair.

The Californian of Bakersfield, in a recent issue, reports that the vigilantes who made the midnight attack on the Superior Sunset oil camp at Midway in April last will be prosecuted to the fullest extent of the law, and a blanket warrant is out for the arrest of prominent men who are supposed to have been implicated in the assault in which Walker was seriously wounded and Cornell crippled for life.

The first arrest was made on Thursday afternoon of last week by Deputy Marshal Radke at Midway, where he took into custody Claude Donley, a brother of Milton J. Donley, who is one of the heaviest owners in the Mt. Diablo company, which is supposed to have incited the assault. Donley was brought to the county jail, arraigned before Judge Millard at 3 o'clock in the afternoon and bail pending his preliminary examination fixed at $2000.

The others named in the warrant of arrest include many prominent in business and professional circles. Among them are said to be J. A. Chanslor, the millionaire oil magnate; Dr. A. F. Shafer, physician for the county of Kern; J. W. Jameson, the well-known attorney and oil man; E. J. Boust, ex-Deupty United States Marshal of Fresno; William Hendricks. F. T. Hall, W. C. Furtig and others, whose names have not been secured. In addition to these John Does, Richard Roes and William Blacks are enumerated and are supposed to cover those whose connection with the assault has not been established.

The complaint was sworn to by J. W. Crossland, ex-county recorder and president of the Superior Sunset company, who was on the disputed land on the night that the battle occurred. It is known that a Pinkerton detective, Tichenor by name, has been in Bakersfield, Sunset and Midway for weeks working on the case, and he is said to have gathered varied and damaging evidence against the accused. The detective was summoned immediately after the shooting at the instance of Cornell's father, who is a wealthy mining man of Plumas county.

He has ample funds and is bitter against those guilty of maiming his son. He does not hesitate to say that he will prosecute to the fullest extent those responsible for the crime, and it is believed the ablest attorneys in the state will be employed to assist in presenting the evidence against them.

Donley, when questioned by a Californian reporter in the county jail, stated that he was employed at the Midway in the capacity of assistant superintendent of the Mt. Diablo property. He denied emphatically all connection with the attack and declared he will have trouble in establishing an alibi. He gave bonds in the afternoon for his appearance when wanted.

Of the twenty-six parties named in the blanket warrant sworn to by J. W. Crosland in connection with the recent midnight shooting at Midway, but three have been arrested and one has given himself up to the authorities. The four men, Claud Donley, John F. Wooton, E. J. Boust and Dr. A. F. Schafer are each under $2000 bonds to appear in court.

The following are those named in the blanket warrant of arrest on a charge of assault with deadly weapons with the intent to commit murder, sworn to by J. W. Crosland, president of the Superior Sunset company, in connection with the Midway shooting: J. A. Chanslor, H. P. Anderson, Charles Hall, H. C. Fertig, John M. Donley, Sam J. Dunlap, Charles Todd, C. A. Neal, Fred Price, J. T. Chick, Richard Roe, John Roe, Richard Black, J. W. Jameson, William Hendry, John F. Wooton, A. F. Schafer, Claud Donley, E. J. Boust, George L. Berger, F. E. Manuel, John Doe Jackson, John Doe, Richard Roe, John Black, Fred Black.

In all probability the criminal proceedings to be had will be under the laws governing conspiracy. It is generally believed that the prosecution will not attempt to hold the men individually responsible for the shooting, but they will be charged collectively with a conspiracy which led up to the serious trouble and almost cost two men their lives.

Cuyama Valley Oil Co.

A new incorporation which will commend itself to conservative oil investors is the Cuyama Valley Oil company. It is organized under non-assessable laws provided in South Dakota incorporations. Its lands are located in the best part of Sunset district, Kern county, Calif. Officers and directors are as follows: W. H. Turner, president; Robert Johnson, secretary and treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox, directors; Western National Bank of San Francisco, depository. Offices, 326 Post street, San Francisco, Calif.

Profits of Natural Gas.

The Philadelphia Oil and Gas company have recently closed their 17th financial year. The concern holds under lease 143,651 acres in the Pennsylvanian fields, and is chiefly engaged in the production of natural gas, the oil branch of the company being of minor importance. The gross earnings of the year were $2,651,400, of which but $64,990 make up the revenue on the mineral oil account; the net profit on the year amounts to upwards of $1,000,000. The enterprise controls an extensive organization of pipe lines to the extent of 1,068 miles, and sold during 1900 19,875,238,000 cubic feet of natural gas, representing a considerable increase on the preceding year, and 5,787 new domestic consumers were added during the year.

Million Barrel Tankage.

The million-barrel order placed by the J. M. Guffey Petroleum company for additional storage capacity at Beaumont, Texas, will consist of ten 100,000-barrel steel tanks. These will be double the size of the tanks previously erected in that field, and will be the largest in the world. The estimated capacity of each will be 100,000 barrels, but by actual measurement each tank will hold an additional 10,000 barrels. The average size of the storage tanks in the eastern fields is about 35,000 barrels.—Oil, Paint and Drug Reporter.

An Up-to-Date Pipe Wrench Company.

The photograph on this page is of the Atlas Pipe Wrench Company's exhibit, Section 34, Machinery Building, at Pan-American Exposition. The company has offices in New York and San Francisco, and is deserving of much praise for the energy and go-ahead manner in which their wrenches have been introduced all over the world. Attendants are constantly on hand to demonstrate the superiority of the tools. All persons interested in pipe wrenches visiting the exposition should see this exhibit. The Atlas' popularity is well established, judging from the manner orders are received.

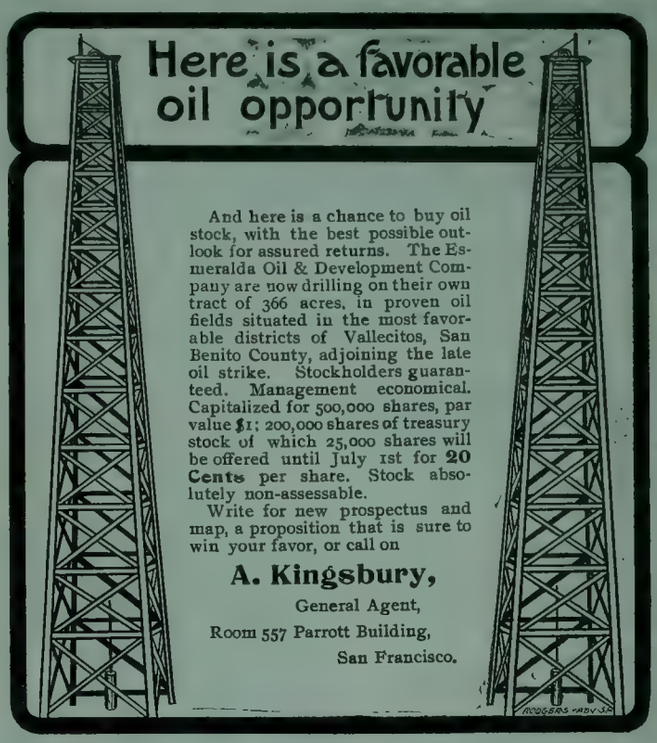
It Is Small Wonder.

The production of oil has a staple and ever increasing demand by reason of the many uses which have been found for both crude and refined petroleum. In California, the use of crude petroleum has solved the cheap-fuel question that was long a draw back to manufacturers of this coast. It is small wonder therefor, that capital is quick to interest itself in the newly discovered oil fields, in as much as California is about to take the lead among her sister states, in the production of this great product which promises as a wealth producer to exceed the production of gold ever mined in the Golden State. Wise ones those who get in at the start will make fortunes in oil investments. As in all wealth producing propositions, there may be found chaff mixed with the wheat. This fact should not deter the investor from placing his money in reliable oil stock, especially when there are companies whose operations on proven oil lands is a practical guarantee of the absolute certainty of the production of oil. Among this class is the Standard Consolidated Oil and Land company, a company that is strong, safe and progressive in every detail and when their six wells are completed will pay large and handsome incomes to their stockholders. We understand that a small amount of stock in this company can still be purchased at 10 cents per share and those who are desirous of improving their financial condition should not fail to take advantage of this chance.

IN COSTA RICA.

The little Republic of Costa Rica, in Central America, is known to be wonderfully supplied with rich deposits of fine anthracite coal and petroleum in almost inexhaustible quantities. Costa Rica is peculiarly well located in order to reach a market for these products. She has both Atlantic and Pacific sea coasts. Now and hitherto English and Welsh coal has been used on the Atlantic coast almost exclusively; little, if any, American fuel is used. The coal used on the Pacific Coast is brought, at great expense, from Australia and British Columbia and commands a price of $17 per ton in American gold. All steamers plying to the West Indies, the coasts of Mexico and South America must take fuel at the Costa Rican ports. When the mines and oil wells of this republic are opened up they will supply all of this demand and, while the cost to consumers will be much less, the profits to the Costa Rican producers will be much greater; in fact, immense fortunes will be made in supplying this fuel trade. An incorporation, known as the Costa Rica Petroleum & Coal company, has been formed to exploit and develop these valuable resources to the fullest extent, and supply the fuel demand of both coasts. This company has, in consideration of the fulfillment of certain conditions, obtained exclusive concession for a period of fifty years to the right of working and developing petroleum and coal deposits of the entire republic. This concession includes the already developed rich oil fields of Uruchico, situated four miles from the Atlantic coast and close to Port Limon, which port is distant only five days from New Orleans and seven from New York by steamer, and which is connected by railroad with all the principal cities of Costa Rica, also a valuable coal mine situated in the same district, hitherto held by private owners. The petroleum in this country is of light gravity, with a decided paraffine base. Samples of this oil can be seen at the office of the fiscal agents in this city. Samples of the coal can also be seen at the same place. It is of the very best anthracite type. By the terms of the concession the company has the exclusive right to work and develop all petroleum and coal deposits in the entire Republic of Costa Rica. It will be exempted from the payment of all national taxation and from the payment of import duties on the machinery and other articles that it may introduce for its works. It has the right to construct wharves, tramways and railroads and to erect telephone and telegraph lines which may be necessary for the service of its enterprises. The passing of the Nicaragua canal bill by the last session of Congress gives assurance that the canal will be a reality soon; this will, owing to railroad facilities, provide transportation to both coasts.

Some of the directors of the Costa Rica Petroleum & Coal company are business men of high standing in Europe. These gentlemen assure the company that they will be able to interest financially some of the large German and English steamship lines trading to the West Indies, as it will be an enormous saving in their expenses if they can coal with Costa Rican coal at Port Limon instead of the English coal, which they are compelled to take on at the Island of St. Thomas. Dr. Jose Maria Castro Fernandez, who is a member of Congress and uncle of President Iglesias of Costa Rica, is the resident agent of the company in Costa Rica. With his influential connections, he is able to procure many favorable concessions for the company and advance its interests in many ways. This company was incorporated under the laws of South Dakota, hence its stock is non-assessable, and the company intends to sell 500,000 shares at 10 cents a share, for the purpose of obtaining funds with which to begin active work. When this amount of stock has been subscribed no more will be sold until further developments have been made, when the stock will not be less than 50 cents per share and perhaps more. Many subsidiary companies will be formed, each of which will pay the parent company royalties, and it is expected that this will make the stock worth from $2 to $5 per share within six months. The Costa Rica Petroleum and Coal company's offices are at 326 Post street, this city, where samples of the coal and oil can be seen and where full information in regard to the company and its properties, etc., can be obtained, either from the company direct or from the Consul General of Costa Rica at San Francisco, whose offices are in the same building, and who will cheerfully give any information in regard to the country and the deposits of oil, coal, etc. The Pacific States Mining and Investment company of this city are the fiscal agents of the company and have the handling of their stocks. This company is composed of good business men who give the very best references as to their financial and business integrity.



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The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

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WESTERN OIL CO.

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HYDRAULIC SYSTEM.

New Hollow Rods for Water-Flush Boring.

The employment of water-flush boring (hydraulic system) is continually gaining ground, and may be expected to entirely replace the older methods at no very distant date. In the systems now in use, the descending mass is no longer connected with the hollow rods by means of jars or a free-fall instrument; and, despite the denials of the makers of this class of plant, the absence of these appliances is a frequent cause of vibration, bending, and breakage of the rods, the more so that the construction of these rods leaves much to be desired.

The rods are generally made in 13 to 16 feet lengths of steel tubing, 4·5 to 5mm. (0·177-0·196 inch) thick. Now, a tube measuring 35mm. in internal diameter, and with walls 5mm. thick, has a working thickness of 628 sq. m.m. The lengths of tubing are generally connected together by means of tapering screw threads simply cut in the the ends of the tubes; and as the the thread is usually cut to a depth of 2½mm. the resisting capacity of the walls is thereby reduced one-half. The strain on the rods naturally increases with the depth of the bore hole, in consequence of the increase of the dead weight; and, in the case of holes 500 metres (1640 feet) deep, which are nowadays common enough the strain amounts to:

	Kilos.
Weight of boring tool and sinker bar.....	500
Dead weight of rods (about 5 kilos per metre run) including coupling collars....	2500
Total load.....	3,000 (3 tons).

The whole of this load has to be supported by the topmost length of rod; but, as in water-flush boring, the entire column of rods is immersed in water, the above load is diminished by the upward pressure (weight) of the column of water in the hole. Now the volume of a cylinder 500 metres in height and 0·45 meter in diameter is 0·795 cbc. meter, and the volume of the boring tool, with the sinker bar, is equivalent to that of a cylinder ten metres high and 0·080 metre in diameter, i.e., 0·040 cbc. metre, or, including the coupling collars, a total volume of 0·850 cbc metre. The upward pressure is therefore 850 kilos., and, consequently, the the upper length of rod is only exposed to a tension of 3000—850 =2150 kilos.

In these circumstances the strain on a working thickness of 628 sq. mm. is 3350 kilos per sq. mm., which is increased to 7·3 kilos by the reduction of the thickness to 294 sq. mm., in consequence of the screw thread—so that the breaking load of the metal will be reached if the strain be, as is not improbable, increased about 5-fold by jar or jamming in the borehole.

For the above reasons the inventors who have interested themselves in this new system of boring have directed their efforts to discovering rods that shall be free from the weakness due to the cutting of screw threads in the metal. One proposal for effecting this object consisted in making the tubes with the thickened ends, so that when the screw thread had been cut the wall would still be of normal thickness at that point. This, however, is a costly operation and requires the installation of expensive special plant. Again, the slight increase in thickness—only some 2-3mm.—obtained by this means is insufficient to cope with another difficulty resulting from the usual triangular section thread employed, viz., that the use of sharp tools for cutting the threads seems to destroy the equilibrium of the metal fibres and produces brittleness, the result of which is a tendency to snap under very moderate strain. It is proposed to remove the defect by substituting round section threads for those of triangular section, but it will be found necessary to cut the round threads deeper than the others. Another proposal made was to braze coupling collars onto the ends of the tubes and insert two pins to secure them in position; but this device failed through the deficient stability of the braced joints, and the obstruction and loss of water pressure caused by the pins.

An Australian oil company has introduced a system of hollow boring rods that seems destined to achieve success. These rods are formed of two or three lengths of tubing connected together not by screw-collar joints, but by soldering at both ends. These tubes are seamless, and are produced by forcing a hot cylindrical bar of best Swedish iron over a mandrel, and working it externally at the same time with rollers, this operation being succeeded by cold drawing. The boring rods are prepared from this tubing by laying the tapered butts together and raising the metal to a constant white heat, by means of a special blow-pipe, the joint being made by holding against the heated surface a bar of soft iron, which melts and welds the two ends firmly together without any hammering being required. The resulting joint of metal cannot be detected when the joint is sawn through for examination. The couplings on the ends of the 10-metre lengths of rod are fastened on in the same way.

The resistance tests imposed on these rods gave eminently satisfactory results. A 45-35mm. tube gave the breaking strain 22,000 kilos, which is equivalent to a strength of 35½ kilos. per sq. mm. One of the jointed rods was hammered out flat and then bent several times to and fro without breaking, and, in order to subject them to practical conditions of strain, the rod joints were beaten for several hours in succession and repeatedly bent, but without any loosening of the joints being detected.

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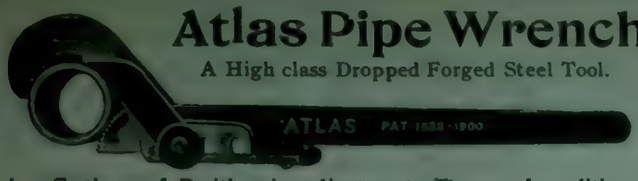

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200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

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FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Owns 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts. partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
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LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 608 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500,000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
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Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
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OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
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SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
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Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Cokling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

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THE RAVEN OIL COMPANY.
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River. district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, Jonn R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson-Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
Location: SW¼ of NE¼ 7, 28-28 M D B and M Kern River district.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; J H Edson, manager; Union Trust company, treasurer; W E Robinson, Springfield, Ill., J H Edson, Oakland, Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
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XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
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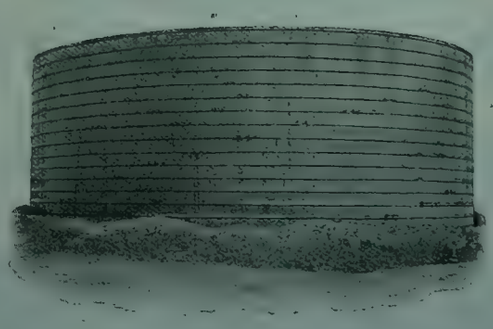

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Analytical Chemists

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Special attention given to the analysis of Oils, Asphalts, etc.; Waters for sanitary, boiler or technical purposes; Foods and Agricultural Products.

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The Road to Wealth

Headquarters School and Governmen Lands.

Lands all counties in California. No conditions on School Lands as to residence or cultivation Only $1.25 an acre. Locations in all Mineral Belt. —Kern River, McKittrick, Devil's Den, Mojave, Sunset, Coalinga and other famous districts. The Cheapest, Safest and Surest Investment in America. Send Stamp for Land Book.

WISEMAN'S LAND BUREAU

237 W 1st street
Los Angeles, California.

400,000 Shares of Oil Stock

Oil Men, Attention!!

The Occidental Exploration Company buys, develops, exploits and sells Oil Lands; has exceptional advantages for securing Eastern capital in proved fields. Communications confidential.

F. H. HAUSMAN, Secretary.
Room 32, 8th Floor Mills Bldg
San Francisco, Cal.

IN PROVEN TERRITORY

One Hundred and Sixty Acres in Section 10, Township 30 S., Range 21 E., McKittrick District On this section the Little Standard made a big strike. Largest producers in the district on adjacent lands.

Certain of Oil

Drilling on a direct line between large producers, and close beside a producing well in the same section.

Two Rigs Erected

on this section and development of this and other properties will be pushed as rapidly as possible.

DIVIDENDS ARE OUR OBJECT

Large Holdings in Well-Known Districts.

Devil's Den 240 Acres, Kern River 40 Acres, Santa Cruz 60 Acres

A Limited Amount of Treasury Stock Now Selling at 25c. Per Share.

California & Utah Oil Company

Incorporated under the laws of the State of South Dakota. Stock Non-Assessable.

ROOMS 413-414 **ADAMS BUILDING,** 206 KEARNY ST., San Francisco

They All Stand In Amazement

At the aggressiveness of the

WESTERN OIL ASSOCIATION

Another big deal closed in which they secure by purchase 5000 acres valuable lands in the very heart of the illuminating belt in San Benito County, adjoining the property of the Nonpariel Oil Company. In addition to its operations in the Great Kern River District, it will begin development at once of the new tract in the illuminating belt, where the oil known to exist is many times more valuable than the quality found elsewhere.

The directors have put 20,000 shares on the market at 15 cents per share, but reserve the right to withdraw the same and advance the price at any time without notice. Write to

20,000 Shares
15 Cents

R. K. ROBERTS, Secretary
312 Emma Spreckels Building
San Francisco, Cal.
A FEW RELIABLE AGENTS WANTED.

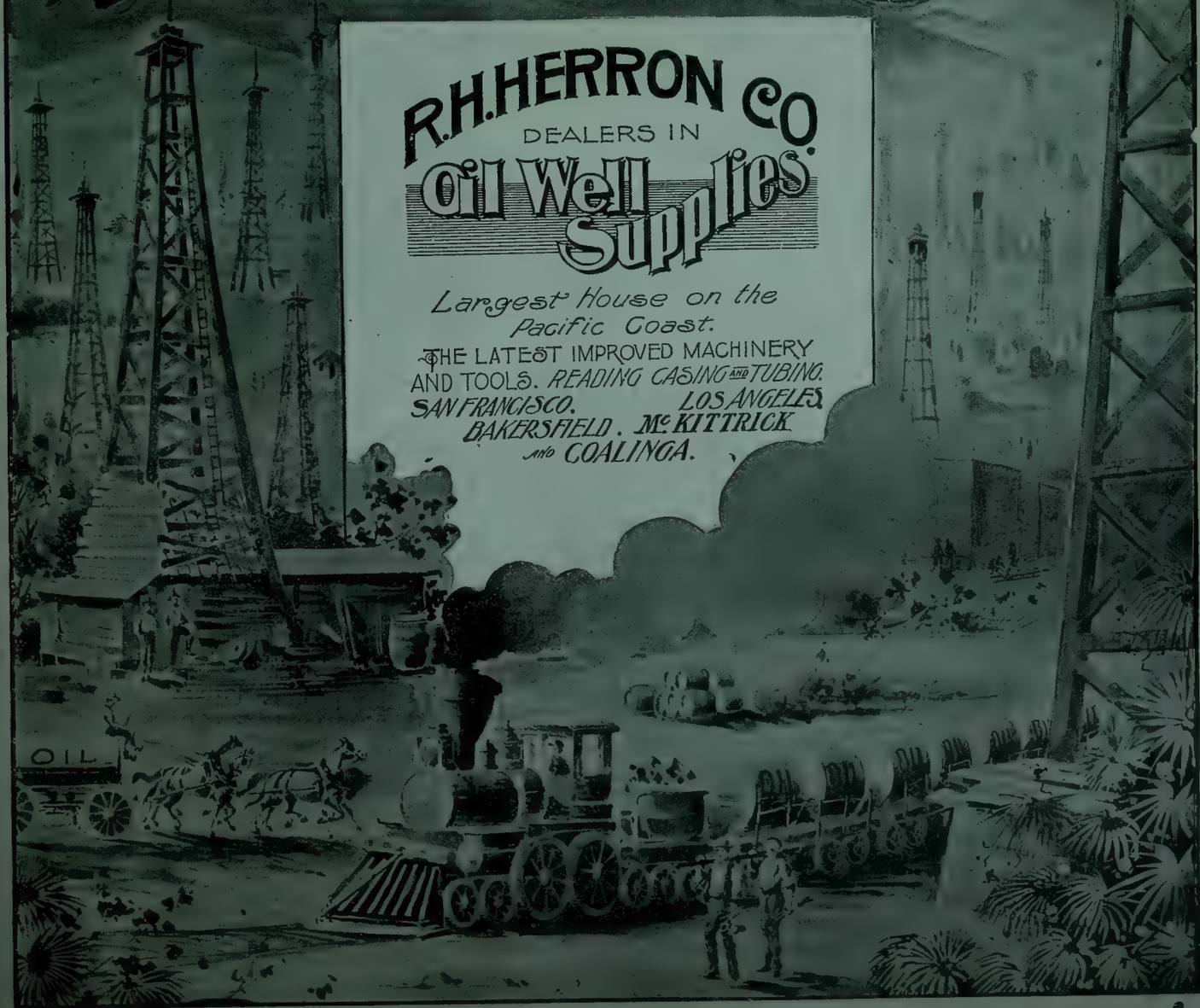
Positively
Non-Assessable

Endorsed by the California Petroleum Miners' Association.

VOLUME 2 NUMBER 33

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, JUNE 21, 1901.



SPECIAL | SPECIAL

No More

Famoso Stock at 50c per Share will be Sold After This Offering of 15,000 Shares is Closed Out.

It is going rapidly. Well No. 3 completed. Will soon commence No. 4 and continue with same push and energy until we have completed fifteen wells. We are now known as one of the large producing companies. We have been in the field only four and one-half months and have three of the best oil wells in the state. We are about to close a large contract for the sale of oil, which, if completed, will put us in the list of dividend-paying companies. All moneys received by us are an actual asset of the stockholders, as they are honestly disbursed and made to count as such, for we believe that if we make money for our stockholders we will make money for ourselves.

One Word to Investors

The officers of this company have taken the precaution of placing nothing but concise business propositions to you, knowing that in doing so it has appealed to the intelligent investor.

An Opportunity

With our friends and patrons we have had pleasant business relations. Who can realize the feelings of a man who, after struggling long against adversity, suddenly finds himself placed by some turn of fortune in a competency, even in luxury? Such occurrences are by no means rare. They are of daily occurrence. Close study must be impressed with the fact that no other investment offers such golden returns as oil. Large fortunes are amassed with great rapidity, and the most astonishing results are achieved by even the least enthusiastic. The man of ordinary means has but little chance at the present day to avail himself of the great opportunities offered for investments. So it is necessary for us to call your attention to the fact that opportunities were never so grand as at the present time for you to invest where you will be sure to get good returns in dividends, besides the large increase in the value of our stock, for we have been one of the most successful companies that ever entered the field.

Famoso Oil and Investment Company

393-394 Parrott Building

SAN FRANCISCO

All inquiries by mail promptly answered. Certificates issued promptly upon receipt of remittances.

Cable address, RASINVEST

PACIFIC OIL REPORTER

VOL. 2. NO. 33. SAN FRANCISCO, CAL., FRIDAY, JUNE 21, 1901. PRICE, TEN CENTS

A GOOD BEGINNING.

Auspicious Opening of a New Year for the California Petroleum Miners' Association.

An Excellent Board of Directors Appointed.—What Has Already Been Accomplished.—Plans for the Coming Year to Benefit the Oil Industry.

The California Petroleum Miners' Association has closed the first year of its existence and opened the new year with brighter prospects for success than at any previous period in its history. The association is the only organization which may be said to represent the oil men of the state officially, and has no requirements in regard to location, or to the amount or quality of the oil production of a company.

The sole aim of the association is to benefit the oil industry by every means in its power. Its officers are all interested in oil, and represent almost if not quite every oil section of the state.

Last year the association accomplished much good especially in the way of aiding oil men to hold their land against the unlawful attempt of the scrippers to wrest it from them.

General J. M. Gleaves, as director of the association, himself met Land Commissioner Binger Hermann and showed him personally the character of the land under dispute. It was shown conclusively that practically all this land could not be classed as agricultural but as mineral, and the land was consequently withdrawn from entry. This decision effected many thousand acres of oil land on much of which has since been developed producing oil wells. The decision of Binger Hermann was upheld by the Secretary of the Interior.

The credit of this decision should be given almost entirely to the California Petroleum Miners' Association.

Another result accomplished by the association is in determining the character and reliability of oil companies.

The association has its attorneys and committee on membership which when requested to do so by oil companies will examine carefully into the condition of land holdings as to title or lease, look into the matter of capitalization, etc., and be prepared to answer all questions from intending stockbuyers and others.

Last year the affairs of nearly one hundred oil companies were examined and those which were found worthy and reliable were accepted into membership.

The applications of several companies and corporations for membership were rejected, as examination failed to substantiate the claims made.

As a rule no company will apply for membership in the association which is not confident that its claims can be substantiated.

The association is in daily receipt of letters from all over the United States seeking information as to the reliability of California oil companies. These letters are answered by the secretary according as the affairs of the companies concerning whom inquiry is made have been examined or not. If they have not been examined and the companies are not members of the association, a letter is written to that effect. If an examination has been made and found to be satisfactory, a letter is written stating the company is reliable and is a member of the association.

The directors of the Association are some of the best known and most influential men in the state. The president is M. H. de Young of the Chronicle; the secretary is Dr. C. T. Deane; the other directors are Arthur R. Briggs, Henry J. Crocker, E. A. Denicke, Gen. J. M. Gleaves, Prof. E. P. Heald, W. A. Jacobs, O. A. Lane, W. B. Simmons, George X. Wendling.

No salaries are paid to any officer of the association. Every director is largely interested in oil, and desires only that the asso-

CALIFORNIA PETROLEUM MNERS' ASSOCIATION.
New Officers and Board of Directors elected June 4-12, 1901, for the year 1901-2.

ciation subserve as far as possible the general welfare of the oil industry.

The small amounts charged as annual dues ($10 initiation fee and $25 annual dues) are used solely for thebenefit of the oil industry, and in promoting the welfare of the companies connected with the association.

The association collects statistics as to new fields, increased production, new companies organized, etc., etc. It is doing all in its power to secure lower freight rates for oil, and will encourage every enterprise which will increase the production or consumption of oil.

M. H. DE YOUNG.

M. H. De Young, the new president of the Association, is one of the best known of American journalists. His successful work in establishing and building up the Chronicle is too well known to need repetition. Mr. De Young has been prominent in California state and national politics, and has been well-known in connection with the management of the Midwinter Fair in San Francisco, when he showed marked executive ability, to which the success of the exposition was largely attributed. In 1900 he was appointed by President McKinley as a National commissioner to represent the United States at the Paris Exposition. He was chosen as president of the commission and was subsequently decorated with the insignia of the Legion of Honor.

Mr. De Young is a man of extensive business interests and among other features of his business has been interested to a considerable extent in the oil business, being among the stockholders in the Century, Ingomar and other companies. He will now devote a portion of his time and executive ability to the building up of the California Petroleum Miners' Association to the dignity and importance which such an organization has a right to claim.

SURVEYOR-GENERAL J. M. GLEAVES.

J. M. Gleaves, the United States Surveyor-General, has been a resident of California for twenty-eight years, and first came into public life as County Surveyor of Shasta County. Subsequently he entered the Legislature as State Senator from the Second District, making a successful canvas of a district politically opposed to him. At the present time Mr. Gleaves is very largely interested in oil companies, being president of the Fresno-Alpha, Leased Land, Fairview, and General Gleaves Oil Companies, and is an officer of the London, Cache Creek, and Non-Assessable Oil Companies. General Gleaves is serving his second term as director, having entered the Board during the last year.

DR. C. T. DEANE.

Dr. C .T. Deane, the new secretary of the Association, has been a practicing physician in this city since 1864, but at the present time has retired from practice, and is engaged in furthering the interests of the oil industry. He is prominently connected with the Lake and Colusa Oil and Land Company, and the Ingomar, Century, and General Gleaves Oil Companies. Dr. Deane was a member of the Board of Directors of the Association during the past year.

W. B. SIMMONS.

Mr. Simmons acted as secretary of the California Petroleum Miners' Association nearly all of last year, visiting the office daily and attending to the routine of the business which devolved upon him. This was accomplished in spite of his manifold duties with Wells, Fargo & Co. express business, where he holds a responsible and influential position.

Mr. Simmons has been successful in promoting several first-class oil companies which are now operating principally in the coming Fresno-San Benito oil district, although he is also interested in other companies operating in other fields.

Mr. Simmons felt he could not devote sufficient time to attend this year to the increasing duties of secretary of the Association, and the position will be filled by Dr. C. T. Deane who has more time at his disposal.

E. P. HEALD.

Professor E. P. Heald, who is serving a second term as director, was one of the first of our prominent men to identify himself with the oil interests. He is president of the Casanova Oil company, vice-president of the Palace Oil company, and a director of the American Oil & Refining company. He is also president of the Pacific Coast Trotting Horse Breeders' Association, which comprises all the leading breeders and prominent stock farms of California. Professor Heald is better known to the general public as the founder and head of Heald's Business College, and Heald's Electrical and Mining School, the leading institutions of their class on the Pacific Coast.

ARTHUR R. BRIGGS.

This gentleman has for years been associated with every industry which has conduced for the welfare and advancement of the state.

He is known in almost every county in the state as a most aggressive promoter of enterprises that have opened up new fields and added to the products of the various counties of California.

He is well known in horticulture and viticulture.

As an ardent supporter of irrigation he was prominent in helping in the organization of irrigation districts which have changed thousands of acres of desert land into orchards, vineyards and alfalfa fields.

He is now interested in different oil districts and has accomplished much in the promotion of successful oil enterprises.

As an expert in land values he has few equals in California, and in this particular line has been for years connected with the land department of the Bank of California, and is thoroughly acquainted with the value of land in every county in the state.

As a director in the California Petroleum Miners' Association Mr. Briggs' knowledge of the state and his influence with men of capital and brains will prove of great benefit to the oil industry.

He is thoroughly alive to the importance of the oil industry, and believes it will soon equal if not surpass the other industries which have made California one of the most prosperous states of the Union.

W. A. JACOBS.

Mr. Jacobs, the Pacific Coast manager of the Germania Life Insurance Company, is also one of the most successful promoters of oil enterprises in the state.

He is successful in two ways; he not only succeeds in organizing his companies on the start on a sound financial basis, but the companies themselves are successful both in drilling producing oil wells and in having their stock steadily advance in value.

About a year ago Mr. Jacobs bought a tract of land in the Kern River oil district and quietly went to work to form oil companies upon it.

Since that time Mr. Jacobs and his son Fred, who is associated with him in his oil enterprises, have promoted ten successful companies, as follows: Alma, Henrietta, Black Jack, Bolena, Wolverine, Hecla, Olema, Mecca, Stephens and Alva.

A large portion of the stock of these companies has been sold in large blocks in the east, Mr. Fred A. Jacobs having spent much time in the east for this purpose.

Messrs. Jacobs & Son have promoted these companies without making the ostentatious display characteristic of some of those engaged in promoting oil companies. Furthermore they have not kept to themselves the lion's share of the profits but have divided these with the stockholders in the companies they have formed. Neither have they used misrepresentations in newspaper advertising or in prospectuses but have endeavored to understate rather than overstate facts.

In consequence of this policy the shareholders in their companies are all well satisfied with their stock investments, and are now enthusiastic over the opportunities for investment presented in the California fields.

Mr. Jacobs is a firm believer in the future of the oil industry of California, and as a director in the California Petroleum Miners' Association will be of great aid to oil enterprises throughout the state.

E. A. DENICKE.

E. A. Denicke is well known in San Francisco public life through his connection with the Mechanic's Institute, of which he has been president for four or five years. This office carried with it the ex-officio position of regent of the University of California. Mr. Denicke is at present traveling in Europe, and will not return until the latter part of the year. He is connected with the Palace Oil company.

O. A. LANE.

O. A. Lane, secretary of the London and the Fresno-Alpha Oil Companies, was one of the original incorporators and directors of the association, and its first vice-president. Mr. Lane was formerly a real estate man in Oakland, Los Angeles and the East, and was one of the incorporators of the Continental Building and Loan Association.

G. X. WENDLING.

Mr. Wendling is at the present time one of the best known figures among the California oil men, as he is manager of the Producers' Oil, Storage & Transportation company, the association of Kern River producers which is engaged in marketing the oil of that district. Mr. Wendling became well-known on the coast through his connection with the Lumber combine, which has been successful in bringing up prices and reducing competition in that industry.

HENRY J. CROCKER.

H. J. Crocker, the millionaire clubman, is largely interested in oil, and has become one of the directors of the association. Mr. Crocker's extensive business ventures include a number of southern oil companies, and his identification with the board of directors of the association is cause for congratulation.

Oil at Navy Yard.

A press dispatch says the yard and dock shops of the Mare Island navy yard will be equipped to use oil as a fuel instead of coal. Instruction to this effect has been sent from Washington by Rear Admiral Endicott.

The subject has been under investigation by a board of naval officers, and it is on the findings of that board that Rear Admiral Endicott has decided to conduct the experiments. The government has been paying an average of $6.50 per ton for coal at the Mare Island yard. The discovery of oil wells in California has suggested the economy of the use of oil as fuel, provided it can be made serviceable to the requirements of the shops. The order for the construction of the steel tanks to contain a month's supply of oil has already been given.

FAKE METHODS.

False Statements and Promises of the Santa Maria Oil Company.

The President and Secretary Well-known Men who Condemn the Methods Employed in Selling Stocks in the East.

Following is the copy of an advertisement which appeared in the June issue of the "Black Cat." In connection with the advertisement also appeared a cut of derricks, buildings, a gushing oil well, etc., all apparently belonging to the Santa Maria Oil company:

Santa Maria oil is paying 2 per cent. per month. Santa Maria oil 25 cents now. We will pay 30 cents after four months. (Signed) Hon. Bernard Marks, Treasurer Santa Maria Oil Co.

We have this guarantee signed by the treasurer and endorsed by the management of the Santa Maria Oil company. A limited amount of full paid and non-assessable treasury stock is now being offered at $0.25 a share. The company owns, free of all incumbrance, 400 acres in the Panoche Valley, San Benito county, California. Every well that has been sunk in this region has struck oil of the best quality in good quantities. The first shaft sunk by the Santa Maria Oil company struck oil at 40 feet. The entire proceeds of this issue of the treasury stock will be used in sinking several more shafts on the property.

With every block of stock the company agrees in writing to buy back the same at $0.30 a share after four months, if the stockholder is dissatisfied. In making this offer the management of the Santa Maria Oil Company are sure of their ground. The district has been carefully examined by experts and all agree that the company has a very valuable property. Further, the company have declared a dividend of 2 per cent a month, payable quarterly. If you have any money to invest in a guaranteed and dividend-paying enterprise, do not delay. This issue of stock will soon be closed out. A prominent member of the Board of Trade has subscribed for forty thousand shares

The directors of the company are capitalists well known in San Francisco. The treasurer, the Honorable Bernard Marks, has been for many years Superintendent of Schools in that city.

The company's depositories are the Crocker-Woolworth National Bank and the Union Trust company, Boston.

On blocks of 400 shares we will accept $50 down and the balance in two monthly payments.

Buy Santa Maria. Take your choice in the number of shares you purchase, but send in your money today.

400 shares, $100; 300 shares, $75; 200 shares, $50; 100 shares, $25.

Write for full particulars. Santa Maria Oil company. Barnard Bros. Finance Co., fiscal agents, suites 702 and 703 Winthrop building, Boston, Mass.

President, Charles T. Behan of San Francisco; secretary, J. B. Hoss of San Francisco; treasurer, Bernard Marks of San Francisco.

This advertisement contains misrepresentations and false statements which pronounce the company a fake.

The president and secretary of the company are emphatic in their statements of condemnation as to methods employed, and would if they could cease their relations with it.

Other advertisements similar to the one above have appeared in other New England publications, religious as well as secular.

It will be seen in the above advertisement Hon. Bernard Marks over his own signature guarantees for the company that it will pay in four months 30 cents for all the shares which are now offered at 25 cents.

This statement in itself is very fishy. If the stock of the company increases in value buyers of stock will not wish to sell, but if they are actually required to sell would have no difficulty in obtaining 30 cents or even more for it per share, without the necessity of the company buying back its treasury stock at a greater price than that obtained for it.

If, on the contrary, the stock depreciates in value, the company will not have in its treasury the money to pay more for the stock than it originally received, consequently, its promises to pay in four months 30 cents per share for stock that sold for 25 cents cannot be kept and the company is guilty of misrepresentation.

Another promise the company makes in its advertisement is still more reprehensible. It states that the company has declared a dividend of 2 per cent a month, payable quarterly. This statement is made in open defiance of the fact that the Penal Code of California makes provisions for unlawful dividends paid from the sale of stock and not from the surplus profits accruing in the conduct of the business of a corporation.

The Santa Maria Company is not an oil-producing company, has no oil for sale, has not drilled a well, and cannot possibly pay a dividend of 2 per cent per month, unless such a dividend is obtained fictitiously.

The advertisements also state that the "treasurer, the Hon. Bernard Marks, has been for many years Superintendent of Schools in that city" (San Francisco).

If this is not a direct attempt at misrepresentation there can be no misrepresentation.

Mr. Marks has not been at any time Superintendent of Schools in San Francisco. He was for a short time connected with the Lincoln Grammar School, located on Fifth street, of which for years Prof. Hamilton has been the principal, and Prof. Leggett, the Vice-principal.

The advertisements also state the Santa Maria Oil Company has sunk its first shaft and "struck oil at 40 feet."

As a matter of fact the only work done by the company was to dig a hole 40 feet in the ground in order to comply with the law on assessment work, otherwise they would have lost their land. They did strike a seepage of oil at that depth.

The worst about the whole pro-

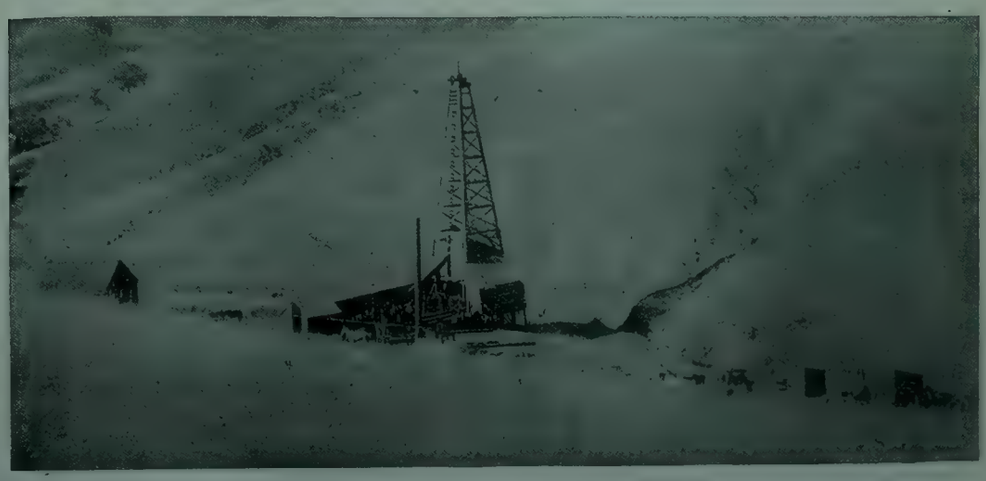
25 Cents Per Share

Derrick Is Now Being Erected for Our First Well

25 Cents Per Share

THE FRUIT VALE PARAFFINE OIL COMPANY

Incorporated with a strong directorate under the laws of South Dakota. Capital stock, 250,000 shares. Par value $1.00 per share—150,000 shares in the treasury. A leading geologist says: "I consider this company is to develop a long neglected Bonanza." Only a very limited amount of stock to be sold. For information write to



THE FRUIT VALE PARAFFINE OIL COMPANY

.....OFFICES.....

Stock Non-Assessable

Rooms 11-12
1003½ Broadway
Oakland, Cal

Room 13
5th Floor Mills Building
San Francisco

Stock Non-Assessable

cedure is that the attempt has been made to use the names of President C. T. Behan and Secretary J. B. Hoss. Mr. Behan is connected with the well-known jewelry firm of Hammersmith & Field, and Mr. Hoss is secretary of the Dos Palos Oil Company, besides being interested in other similar enterprises.

Says Mr. Hoss: "Mr. Behan and myself have been trying for six months to sever our connection with the Santa Maria Oil Company, but have not been able to do so owing to the fact it has been impossible to obtain a quorum of the directors. We have seen these advertisements in the east and have remonstrated with Mr. Marks, who is now in the east.

"The company has not declared a dividend of 2 per cent and I do not see how Mr. Marks, or the company, can promise to pay 30 cents a share in four months for stock which has been sold for 25 cents a share. As soon as possible Mr. Behan and myself will wash our hands entirely of the affairs of the Santa Maria Oil Company."

Mr. Marks was one of the original directors of the California Petroleum Miners' Association, but owing to his continued absence in the east, as well as to the methods which were employed in advertising the Santa Maria, his position as director was declared vacant and he is no longer even a member of the California Petroleum Miners' Association.

The Santa Maria Oil Company seems to be doing the bulk of its business through a Boston firm known as Barnard Bros. That they have succeeded in placing considerable amounts of stock is proved by the fact that last week Mr. Marks sent on a check of $1,000 to be deposited to the credit of the company and stated that a similar amount would be sent in about ten days.

That the proposition of the Santa Maria Oil Company is a fake is proved by the fact that the company is advertising so generally its promise to pay a dividend of 2 per cent per month. Any safe proposition which can pay 6 per cent a year needs no advertising in the New England states. A safe investment at 6 per cent will be taken up immediately.

The conclusion of this matter is simply that the Santa Maria Oil Company should be classed among those fakes of which the first of the foremost was the Big Panoche Oil Company, which after bilking as many Californians as possible, took its scheme to the east and sold thousands of shares of stock to credulous investors there until the nefarious character of the company was exposed by the PACIFIC OIL REPORTER.

There are plenty of good oil companies which are or will be paying legitimate dividends and the stock of which can be purchased at a fair price. These legitimate companies are not spreading broadcast misrepresenting advertisements.

It is the prevalence of fake California oil companies which is ruining the local industry.

The PACIFIC OIL REPORTER will expose these as fast as it can get the necessary proofs of their character.

The present low price of oil as a result of ruinous competition is working injury enough in the oil business without having additional injury inflicted by the misrepresenting advertisements of such questionable companies as the Santa Maria.

If the president and secretary of this company condemn and desire to cut loose from it their example can well be followed by those who have been or possibly might be connected with it as stockholders.

CONTRACT REPUDIATED.

The Hearst Estate Refuses to Purchase Oil From the Home Oil Company.

On Tuesday last, June 18, the stockholders of the Home Oil company were disagreeably surprised by receiving the following letter from the Home Oil company.

SAN FRANCISCO, CAL., June, 17 1901.

Notice to stockholders of the Home Oil Company:

Whereas it has been found impossible to properly declare a dividend as ordered by resolution of June 10, 1901, owing to an unexpected failure to realize certain funds upon which said dividend was based.

Now therefore be it resolved that the resolution of the board of directors of June 10, 1901, declaring a dividend of seven and one-half (7½) cents per share upon the capital stock of the company payable June 20, 1901, be and the same is hereby rescinded.

By order of the board of directors of the Home Oil company in special session assembled on the 17 day of June 1901.

R. T. STALEY,
Secretary.

This means that the stockholders of the Home Oil company instead of receiving a dividend of $7,500 which had been promised them on June 10, and which they expected to receive on June 20, received nothing.

The reason for the failure of the Home Oil company to pay the promised dividend is on account of the Hearst Estate refusing any longer to purchase the output of the wells of the Home Oil company.

In July of last year the Hearst Estate entered into a contract in which they agreed to purchase all the output of the wells of the Home Oil company to the amount of 25,000 barrels a month, agreeing to pay for the same every month at the rate of eighty cents a barrel. Up to last week this contract has been kept and the Home Oil company has received at times over ten thousand dollars a month from the Hearst Estate.

On June 15 the directors of the Home Oil company received a letter from Edward H. Clark who recently arrived here from New York, and who is the practical manager and attorney-in-fact of the Hearst Estate. This letter, deprived of its verbiage, is to this effect:

That in July, 1900, a contract was made between the Hearst Estate and the Home Oil Company which provided that the Hearst Estate should build a tank near the wells of the Home Oil Company for the purpose of storing the oil output of the company.

It also agreed to purchase the oil output of the company to the amount of 25,000 barrels a month at the rate of eighty cents a barrel.

That the Hearst Estate declines to accept any more oil from the Home Oil Company and refuses to pay the bill for the last month's output of the wells.

Furthermore, that the Hearst Estate demands $11,998.14 from the Home Oil Company on account of the money previously expended for the aforesaid storage tanks.

This letter proved a bomb shell in the camp of the Home Oil Company. The resignations of R. H. Clark, representing the Hearst Estate, and of W. F. Chandler, who is said to have recently disposed of all his stock of the Home Oil Company, were immediately tendered.

The bill for the last month's output of oil from the Home Oil Company amounted to a little less than $9,000.

The Home Oil Company now has something over 11,000 barrels of oil ready for delivery.

The immediate result of the refusal of the Hearst Estate to comply with its contract was twofold—first, compelling the Home Oil company to rescind its past resolution to pay a dividend of 7½ cents per share upon the capital stock of the company; and secondly—it brought the price of the stock which had previously been selling at $3.15 per share down to $2.50 per share on Wednesday.

The Home Oil company intends to stand to its guns, and will immediately bring suit to compel the Hearst Estate to fulfill its contract.

Attorneys state that as the contract was made by Mr. Clark, who was the attorney-in-fact for the Hearst Estate at the time the contract was made, the contract is perfectly valid and will stand the test of legal investigation.

Oil men state that the price agreed upon for the oil, namely, 80 cents a barrel, was extremely reasonable, and that when the contract was entered into the Hearst Estate made an excellent profit from the sale of this oil. Within the last few months, however, oil has so depreciated in value the Hearst Estate has lost money, but that this was not due to any deterioration af the oil from the wells of the Home Oil company, but rather to the ruinous competition of companies which sell their product at any price to obtain ready mony for outstanding bills.

It is rumored that J. B. Treadwell, who manages the S. P. company's property in Kern county, has stated that a long term contract has been made within the last few days by the Hearst Estate to purchase a vast amount of Kern county oil at the rate of 16 cents a barrel.

Mr. R. H. Clark, the San Francisco representative of the Hearst Estate, when asked about the repudiation of the Home Oil company contract, refused to make any statement or enter into any explanation in regard to the matter. He also refused to state whether or no the Hearst Estate had made any recent contracts with any Kern county oil company.

The result of the repudiation of the contract has been to not only depreciate the price of stock of the Home Oil company, but also has cast another wet blanket on the price of oil stocks generally.

The Diamond.

This company has again reorganized with Honorable E. D. Berri president, the other two directors being W. O. Hilbish and the legal South Dakota representative; M. M. Carrothers is secretary. The company has a eleven and five-eighths-inch well drilled to a depth of 930 feet and owns the machinery and tools with which the well was drilled.

Owing to the fact that several thousand dollars belonging to the company was misappropriated the company is now short of the funds necessary to continue further drilling operations. The company has therefore leased the forty acres of land on which the well has been drilled to the Oil Land company with which Mr. Hilbish is also prominently concerned.

The Oil Land company has agreed to drill the well to a depth of two thousand feet or until oil in paying quantities is reached. It is said the company has the money on hand to perform the contract.

If oil is struck it will prove the worth of the remaining 600 acres of land belonging to the Diamond.

Fuel oil is daily increasing its sales, and at prices that coal can not meet. Oil producers have made a valuation for their output disregarding cost of producing and distributing, hence they find the contracts they have made for future delivery are at absurdly low prices. What should have proved a great acquisition to the discoverers and producers will result in very meagre returns to the investors. The carriers and consumers are the most benefited.—Harrison's Weekly Coal Report.

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STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

PACIFIC OIL REPORTER

Published Weekly

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Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

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FRIDAY, JUNE 21, 1901.

Our Oil in the Orient

Those who claim to know from experience what can be done in the way of refining California oil, say that it is impossible to make from it oil equal to the refined eastern product without going to such expense as to make it impossible for our oil to compete with the best eastern product.

This may or may not be true. Some refiners say it is not true, and claim a process has been discovered so that California crude oil makes as good a refined oil as the eastern crude, and at no more expense of manufacture.

Others say that although a process of refining our oil satisfactorily as yet has not been discovered that it soon will be, and that just as it took a long time to discover the process of refining Indiana and Ohio oil, so it may yet take some months before the process of reducing our oil satisfactorily may be acquired.

But whether or no a process of refining our crude oil into a first-class odorless and smokeless illuminating oil is discovered the fact remains that an immense market is being opened up for the second grade oil now being produced in California.

A large tank steamer and barges are now being worked to their utmost capacity in bringing oil to the Alameda refinery of the Pacific Coast Oil Company. Thousands of gallons of second class refined illuminating oil are manufactured daily at this refinery, and at those of the Union Oil Company, the Puente refinery, and several other small ones at Los Angeles, Bakersfield and elsewhere in the state.

What is done with this oil?

Who buys it?

Who are the consumers?

The illuminating oil manufactured from California crude oil is sold on the Pacific Coast and in the Orient.

On the Pacific Coast it is sold mostly to the retail grocers whose trade is limited to the poorer classes who cannot afford to buy the best eastern oil. The oil is sufficient for lighting purposes even if it does give out a little smoke and has a disagreeable odor. But it burns all right, and those who use it save a lot of money.

But a great deal of our California refined oil is sent to China and Japan. Those who know say the demand for our oil in these countries is far in excess of the supply.

Says W. S. Miller, the Pacific Coast manager of the Standard Oil company and a director of the Pacific Coast Oil company "the Chinese, even those who have money, seem to prefer the lower grade of refined oil to the superior product, and as its use becomes more general in China and Japan the demand increases until now California kerosene mixed with the Eastern oil is no small proportion of the California export trade to the Orient."

The great trouble thus far has been in the lack of transportation facilities of the proper kind.

There are over 200 tank steamers carrying Eastern oil to Europe, and not one for carrying oil across the Pacific. One is now being built for the Standard Oil company and others will soon follow. A regular tank steamer will soon be running to the islands and the Orient, and will transport not only the crude product for manufacturing purposes, but the refined illuminating product. This steamer and others soon to follow will lower the present freight rates by more than one half. and will open up new and extensive avenues in the oil trade.

The result will be an increased demand for California crude oil for refining purposes, and a corresponding increase of price.

Believes In Oil

Gen. W. H. H. Hart pins his faith to the oil industry. California oil has proved a good friend to him, in that it has made him well-nigh a million dollars from his deals in the Coalinga and Kern oil districts.

Now he is going in still deeper, and with Eastern capitalists as his associates will soon start an extensive oil refinery at Stockton, with a pipe-line extending to Kern county.

Gen. Hart deserves the heartiest support and co-operation of all oil men. He makes money in oil lands, then turns about and becomes one of the heaviest buyers of oil.

If others who have made big money in oil and oil lands would follow the example of Gen. Hart, the oil industry of the state would receive a healthy impetus, which would be of lasting benefit to every oil company in the state.

Fake Methods Exposed.

The Santa Maria Oil company deserves a prize for having acquired the right to be numbered in the front rank of the fake companies of California. Its Eastern advertising has been very extensive, and has included the following misrepresentations:

1. It has stated that a dividend of 2 per cent a month has been declared. The secretary of the company, J. B. Hoss, says no dividend has been declared.

2. It claims to have sunk its first well and to have obtained oil. A hole was dug forty feet deep in order to prove assessment work, and a seepage of oil was obtained.

3. It publishes in its advertisements the names of C. T. Behan and J. B. Hoss as president and secretary as if they approved and sanctioned the mis-statements. These gentlemen for six months have been trying in vain to secure a quorum of the directors in order to resign from a company whose methods they condemned.

4. It claims to be willing to pay in four months 30 cents a share for shares that are now being sold for 25 cents less a heavy commission. It can never do so.

5. It claims its treasurer and chief promoter, B. Marks, to be the Superintendent of schools of San Francisco. He does not hold and never has held this office.

The Santa Maria Oil company, through its Eastern management is using methods which lay those responsible for them open to arrest according to the Penal Code of California.

If the methods adopted by this company were practiced to any extent the oil industry of California would be completely ruined.

A Good Beginning.

The California Petroleum Miners' Association starts on its second year under the most favorable auspices.

As will be seen on the first page no organization in the state has a more efficient or influential board of directors.

It is the intention of this board to make the association a power for good for the oil industry of the state. It will favor no particular district. Its aim is to benefit the oil men in whatever county they are operating.

Every oil company in the state which is not afraid to have its affairs examined should apply at once for membership.

Union with the association benefits not only the individual member but the oil industry as a whole.

PETROLEUM CONSUMPTION A YEAR HENCE.

(Los Angeles Herald)

	Barrels.
Southern Pacific railroad	5,884,200
Santa Fe railroad	1,260,000
Salt Lake, Pacific Coast and Northern Pacific Coast railroads	126,000
Refineries in state	2,000,000
Factories, pumping plants, street railways, etc., Southern California	1,000,000
Three San Francisco street railways now installing oil fuel	.....
Two San Francisco ship yards and iron works now installing oil fuel	.....
One hundred other San Francisco consumers of fuel, now using or preparing to use oil	.....
San Francisco ferries now installing oil fuel	.....
Four great ocean steamers now building, with oil burners	.....
Fifteen Sacramento river steamers being equipped for oil	.....
Manufactories in other coast cities	.....
Mines through the Southwest	.....
Increased use of fuel gas made from petroleum	.....
Consumption which can be estimated	10,270,200
Probable consumption	15,000,000

PRESENT OUTLOOK FOR NEXT YEARS' PRODUCTION.

Coalinga	750,000
Kern river	5,000,000
McKittrick	500,000
Midway	250,000
Sunset	500,000
Santa Barbara county	100,000
Ventura county	750,000
Los Angeles county	2,100,000
Orange county	400,000
Prospective production a year hence	10,350,000

Oil on Ferry Boats.

Arrangements are being made to substitute crude petroleum burners for the coal grates under the boilers of the steamer Oakland.

In pursuance of the application of Captain William T. McKenzie, master mechanic of the Southern Pacific Company, permission to use oil as fuel on the steamer Oakland was granted Monday by Federal Inspectors of Steam Vessels Bolles and Bulger. Applications for the same privilege on the other ferry boats will probably be filed without delay.

This change is in line with the general adoption of oil as a fuel on the company's locomotives. Careful experiments have demonstrated the efficiency and cheapness of this fuel and as fast as oil burners can be installed on both locomotives and steamers, coal will give way to petroleum.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

STANDARD ENGINE TESTS.

New Requirements of the Engineers Society.

The committee of the American Society of Mechanical Engineers who have been considering the codification and standardization of the methods of making engine tests have in their preliminary report recommended the number of heat units consumed per hour per indicated horse power and per brake horse power as the standards of comparison. This is not intended to do away entirely with the common existing terms of expressing comparative efficiency of energies, which are recognized as useful within their limitations, but to have a common final standard test based on the actual thing all engine operation depends on, heat. The heat consumption of a steam engine required for the standard test is ascertained by measuring the quantity of steam consumed calculating the total heat of evaporation of the entire quantity, and crediting this total with that portion of the heat rejected by the engine, which is utilized and returned to the boiler. The term "engine" as here used shall include the entire equipment which is concerned in the production of the power, embracing the main cylinder or cylinders, the jackets and reheaters, the air, circulating and boiler feed pumps, if steam driven, and any steam driven mechanism necessary to the working of the engine. The heat consumption of gas, oil or other engines of the internal combustion class is found by ascertaining the total heat of combustion of the particular fuel used, which should be determined by a calorimeter test, and multiplying the result by the quantity of fuel consumed. The I. H. P. for the proposed standard is obtained by the use of steam engine indicators. It should be confined to the power developed in the main cylinder or cylinders, and should not include that developed in the cylinders of auxiliaries. The committee have recommended as a subsidiary form the basing of efficiency on a "standard coal" unit, which is a coal giving to the steam 10,000 British thermal units for each pound of dry coal consumed.

DISTILLATES.

Field Notes for Practical Oil Men.

The petroleum-bearing rocks in Colorado are sandstones and shales of Mesozoic age, and principally of the upper division of it, the Cretaceous period.

All plan drawings should have marked on them all the dimensions that are necessary for the use of the plan. It should not be necessary to scale the plan to ascertain them.

To drill a chilled casting, heat the casting and put a little sulphur on the spot it is desired to drill and permit it to cool. Harden the drill and draw no temper, using equal quantities of alcohol and turpentine.

A certain amount of roughness in the surface of the steel, such as is left after cleaning by a sand blast, is desirable where the steel is to be painted. There is practically no absorption of paint into the body of the steel, so that the adhesion is wholly restricted to the surface. The irregularities of the rough surface provide a better adhesion than a perfectly smooth surface would.

In brazing, the two parts to be joined are beveled so that where the joint is made there is no increase of thickness of metal. Cleaning is completed by acid, a piece of solder is placed between the parts, and heat applied to fuse the solder quickly and at the same time fuse the faces to be joined so that there is an entry of the solder into the body of the metal. Cooling should not be too rapid, as the joining would thus become hard and brittle and fail to stand the wear of use. On the other hand, if cooled too slowly the joint would have a soft spot and be liable to give out from that cause.

Blue prints and paper drawings generally can be waterproofed by the use of refined paraffine. Saturate in melted paraffine pieces of absorbent cloth and cool. These can be used at any time subsequently. Spread a piece of the cloth on a smooth surface, superimpo e on it the blue print drawing, and on top of this a second sheet of the cloth. Iron with a moderately hot iron. The paper will absorb paraffine from the cloths till saturated, more paraffine being put under the iron until thus effected. By the process the lines in the drawing are brought out and intensified. The paper is not shrunk or distorted and becomes translucent and waterproof.

Fuel Oil for Coal.

Everyone in the coal trade is surprised at the quantity of coal being shipped here, still it has all found an outlet. Most of our largest consumers have modified their machinery to enable them to utilize oil as a fuel substitution for coal, yet it is barely perceptible that there is any diminution in the coal output. It may be safely estimated that 750,000 tons of coal will be displaced this year by the fuel oil production in California, and this amount will be increased to one million tons in 1902, provided low oil values prevail. In making these figures it is presumed that our present labor troubles will not last much longer. At the same time our colliery proprietors in Washington and British Columbia are finding sale for their entire output, which is unquestioned evidence that the fuel demand for steam energy mainly, is increasing immensely. Prices remain unchanged; oil is a check to any advance on coal, hence its advent into this market has been a great boon to the manufacturer. The oil consumer is all right, it is the unfortunate small producer who is now groping about to get a proportion of his investment back.

Though sales of stocks are reported from the exchanges in San Francisco it is strange to note that only a small number of them ever reaches the secretary for transfer. Secretary Bender says that less than one-fourth of the sales reported are ever changed on the books of Kern Oil.

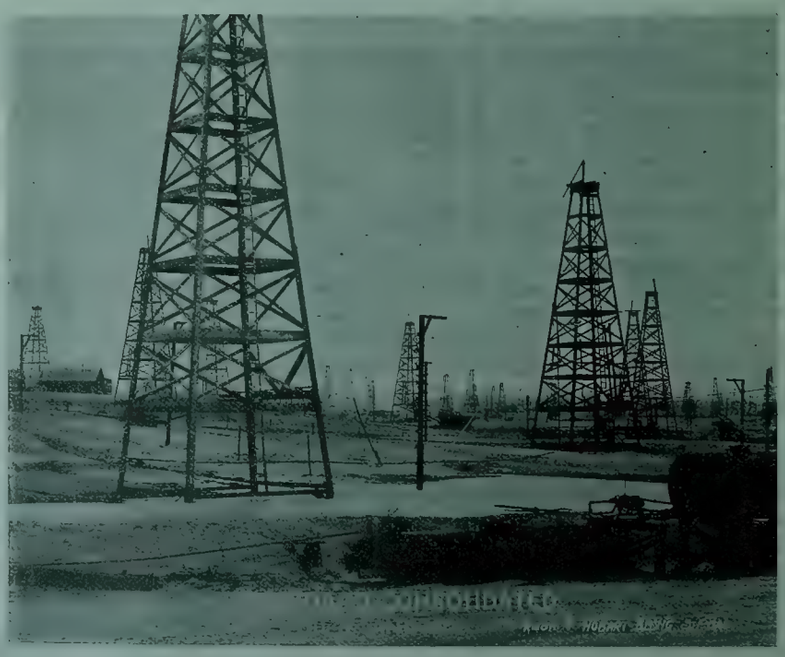
This Is Your Last Opportunity

10 Cents Per Share—STOCK NOW—10 Cents Per Share

After July 12th, 1901, 20 Cents Per Share

In consideration of the large amount of development work already accomplished and the amount of stock sold, the Board of Directors have resolved to advance the price of stock in this company on July 13, 1901 to **20 cents per share.**

Remember We absolutely guarantee the production of oil; that we will complete six wells in the heart of the celebrated Kern River district. In view of the rapidity that our development work is progressing, large dividends will be paid in the near future. That we will fill all orders for stock at 10 cents per share up to and including the 12th day of July, 1901. After that date the price is 20 cents per share. For further information address



STANDARD CONSOLIDATED OIL AND LAND COMPANY

ROOM 7, HOBART BUILDING, 532 MARKET ST., SAN FRANCISCO, CAL.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

ALAMEDA.

The Fruitvale Paraffine Oil company is erecting a rig about one quarter of a mile from the Fruitvale station, and will commence drilling immediately on its completion. This is the first development to be done in this vicinity and will be watched with interest.

FRESNO.

Home company is putting in 11⅝ casing in No. 8, which is down over 500 feet.

The Fresno-San Francisco is having water piped to its rig from Coast Range Water company.

Santa Clara is getting on finely with their No 2. Will go deeper with their No. 1 as soon as No. 2 is finished up.

The Investment Oil company has sold tools and rig and leased a portion of its property to Captain Frank Barrett, so we are told.

California Rock No. 2 is being straightened, and Superintendent Roberts says that he is through filling and into solid earth again and drill is working nicely.

Mr. J. P. Barnes sold one-fourth of 14, 21-14 to an oil company of Santa Clara county, which will prospect for oil on that property.

California Oil Fields, (Limited), are making rapid progress in preparatory work on 21 and 27, and drilling will be commenced at an early date.

The New York company's well will probably have to be abandoned after all, as water has taken possession to such a degree that it is impossible to do anything with it.

Minnesota is now down over 1400 feet, just entering the second sand, and oil coming up with every bailer. A good well is expected.

Mercantile Crude company is making a desperate effort to shut off the water that has been giving that company so much trouble of late by putting in cement.

The crew on Blue Goose No. 1 was only partly successful in an attempt to remove the casing from that well this week. Several hundred feet of casing is stuck and is considered lost.

A well tempered piece of steel dropped into the hole being bored by Producers' Guaranteed a few weeks ago, and has been driven down 200 feet ahead of the drill, and has retarded the drilling for that distance.

El Capitan has a very fine well. They are so well pleased with it that they will push their No. 2 and are about selecting location for their No. 3.

The Maine State is connecting their No. 1 with their 2000-barrel tank. They will be able to keep it full from their No. 1. No. 2 is going down so nicely that they are contemplating starting their third well.

Roanoke is 1020 feet deep. Every indication that they may get as light oil as Home and Coalinga Oil company have Oil found in the first sand was of that grade—that together with large quantities of gas and the black sand are pretty good indications.

The Directors' Oil company contracted some time ago to put a well down 1200 feet for the Carmelita Oil company. The depth called for in contract was reached three weeks ago, and a new contract was made, and work on this well, after a few days' cessation, was resumed, and the hole is now over 1350 feet deep.

The Fresno-San Francisco Oil company is now ready to receive bids for the drilling of its first well in Coalinga field, which will be put down within a few hundred feet of the Mercantile Crude company. From present the outlook a string of tools will be running for this company within three weeks.

HUMBOLDT.

Operations began at the Wild Goose well at Petrolia June 5, they having shut down a few days for repairs. At the Hoagland well the drills are steadily pounding away, and it is believed that one or two rigs will be in operation at Briceland, one at the Erickson place, and one at the Hindley place in Upper Mattole in the near future.

A site has been selected for a well at Briceland, Mrs. Craig driving the stake where the well is to be bored. This location is about 200 yards north of the well that was bored several years ago. Mr. Fearein went to work immediately to saw out the material for the derrick. Mr. Craig wishes everything to be in readiness for drilling by the 1st of July. It is stated that Mr. Craig is under agreement to sink the well 2000 feet if he does not strke oil before reaching that depth.

It is reported that two new wells are to be sunk immediately on the Edmonston place near the Union well. The machinery now in use at the Union is to be used at the new well. Mr. Craig, who is superintendent at this well, has let a contract to Gilbert Crippen and Charles Bonoli to put up a new rig at Briceland. Mr. Craig left for the city Monday to make arrangements for the necessary machinery and materials for the construction of the rig, and will telephone to Messrs. Crippen and Bonoli when to commence putting up the derrick.

KERN.

Karl Brown, on section 15, Kern River, is down 800 feet.

New York-California has its hole down 750 feet on 29, 28-28.

Washington has a fishing job on its hands at 630 feet on 1, 11-24.

Silver King, on 17, is replacing its old rig with an hydraulic rig.

Equality on 31 is down 525 feet and has a good showing at that depth.

Standard has the ground leveled for eight new storage tanks in Kern River.

Occidental expects to go for a third well soon. Wells 1 and 2 are pumping steadily.

Chicago Extension is working in an encouraging formation of blue clay at 150 feet.

Eastern Star has completed wells 4 and 5 and has 1, 2 and 3 on the compressed air pump.

Gilt Edge, on 7, 11-23, has its 11⅝ casing down 631 feet. The second string is being lowered.

Lion at Sunset is supplying about 20 rigs with fuel oil, and has demand for all that it can produce.

Golden West sent the 11⅝ casing down 600 feet in its well on 2, 11-24, and has inserted the 9⅝ string.

New York-California has entered the second sand at 707 feet and has encouraging prospects.

I. X. L. is up on its holdings adjoining the American Girl, and will soon begin dropping the drill.

S. S., in the Temblor district, has gone to a depth of 1000 feet without encountering formations.

Sinnemahoning, operating on 19, 28-28, is about to sink its third string of casing. The hole is 1225 feet deep.

Union Mutual and Buena Vista are putting in rigs on section 14 at Midway, on land secured from Bay City.

E. J. Boust has been employed as superintendent by Stockton Midway, which already has the drill down 307 feet.

Wellington on 30, 11-23 has its second hole down 300 feet and work is progressing favorably. The first hole is dry.

California Fortune have now two completed wells and are supplying their neighbors with fuel at a good price.

Headlight is building a rig on the southeast quarter of 6, 11-23 and expects to start drilling within the next few days.

The local Southern Pacific trains running into Oakland are supplied with oil for fuel, the change having been made on June 1st.

Aztec is making an average of five carcarloads of oil daily. The company has increased its loading racks to twice their original capacity.

Black Goose and Wisconsin, on 24, 28-27, are going deeper into the oil sand. The progress is not rapid, but it is oil sand all the way.

Petroleum Basin has closed down pending the payment of the assessment. It expects to resume work within a few days. The hole is now 750 feet deep.

Two thousand two hundred feet of pipe has been laid from the Hecla well to several of the other Kansas companies and will hereafter furnish fuel for them.

Vesuvius on 12, 11-24 shot its well with giant powder a few days ago. The hole has not as yet been cleaned, therefore the result of the experiment is not known.

Rambo of Fresno, which is not incorporated, will soon be drilling on the west half of the southeast quarter of 14, 32-23. M. L. Woy, E. J. Boust and E. D. Boust of Fresno are interested.

Wisconsin on 24, 28-27 is down 1305 feet and working in a sand that is growing richer at every stroke. Superintendent G. W. Smith says it is just immense the way the sand rolls up.

Work on Minnehaha is progressing. The drill is working near the 100-foot mark and the casing is following close behind it. This hole will probably be drilled to a depth of 1500 feet.

Superior Development has suspended operations temporarily. The heaving sands cannot be shut off and fishing jobs have been common occurrences. The casing is down nearly 750 feet.

Notwithstanding that oil is not moving as briskly as many hoped to see it Central Point is running its pumps full tilt and is shipping the product in such quantities as to pay monthly dividends.

Superior has made another lease of a portion of its extensive holdings, namely, an 80-acre tract on 20, 32-24. The lessee is J. E. Crump of San Joaquin county and the royalty one-eighth of the product.

The steel on the New Sunset railroad has been put in place to a point about one-half mile north of the Old River school house. The grading force is down near the levee below the Miller ranch house.

Arcola Extension has encountered the same formations during the drilling of the first 450 feet as was found in the Arcola hole. The company expects a well that will surpass any producer in the field.

Standard Consolidated Oil and Land on 19, 28-28, intends to complete three of the six wells contracted for at as early a date as possible. Recent discoveries have been very satisfactory in that portion of the field.

Sunset Center has resumed drilling in its hole on 12, 11-24. The difficulty which the stockholders have been having among themselves has been straightened out and the work will be pushed to completion.

Equality has shut off the water and drilling has been resumed. The first sand has been penetrated and indications are that the second will be encountered soon. It is expected that the well will be finished near the 700-foot mark.

Jewett & Blodgett have completed their contract on Pittsburg well on 1, 11-24 and the well is 1003 feet deep. The drill was working in a brown shale that contained considerable oil and the intention is to go deeper into this stratum.

Del Rey on 5, 29-28 has three good wells and three more are being drilled. No. 2 is doing better than 400 barrels a day and No. 3 is said to be good for 250 barrels. A little trouble with water in No. 1 is being experienced.

Owing to the encouraging reports received by the directors of the Dixon Oil company from the contractors who are sinking a well on the company's property in the Midway district, they have decided to advance the price of shares from 20 cents after June 25th.

Development work in the Sunset field is gradually extending to the east. Several new companies are building derricks and installing rigs preparatory to begin drilling on the property to the east of the Headlight and Gilt Edge buildings.

Mount Diablo rig has been located on another quarter of 26, 32-23 and will soon be drilling. In less than one month the company sent the drill down to the oil sand in its first well on this section. Four wells will be sunk as soon as possible—one on each quarter.

Tiger, which holds a lease from Kern Sunset Oil & Development company, has a freak well on the N½ of the NE¼ of 12, 11-24. Every five hours the gas pressure from the sole forces the oil over the top of the casing and continues its flow for several minutes.

As the result of financial difficulties the machinery has been removed from Zaca Lake's lease of section 4. It is reported that East Puente, a company under the same management, will take the lease and comply with its requirements. The companies are located in a choice portion of the field.

Oriental will move to another portion of 30, 32-24. It has for several months been operating and in this time has gone down about 1000 feet, but without satisfactory results. Some oil and a great deal of a phaltum or a similar substance was uncovered, but the oil was not in such quantities to make it of any value.

It is reported that the controlling interest in Gold Standard on 4, 29-28 has passed to New York capitalists and that representatives will arrive from the East and push development work on a more extensive scale The company has two wells and the intention is to have more sunk at once.

H. H. Fish and others have sued Reed Oil and the Reed Crude Oil for the restitution of possession of the southeast quarter of 20, 28-28, which they allege to have leased on January 8, 1900. The action is taken because of alleged violation of the contract under which the lease was given.

San Joaquin No. 16 is keeping up its

record. Though completed about a month ago, it continues to flow as strong a stream as ever, and last Thursday was estimated to be going 1000 barrels per day. It has fallen a very little below this production since the oil commenced to boil over the casing.

J. W. Jameson and others have sued J. A. Douglas, the Occidental Oil company and others to quiet title to the northeast of 21, 32-23, and for an injunction restraining and enjoining the defendants from entering upon said lands and from performing any development work thereon.

Grace has completed the work of drilling its deep well on 8, 29-28, and landed the casing in a solid formation at 1400 feet. The new stratum of oil in this well is 800 feet thick and is said to be extremely rich with oil, the per cent of sand being unusually small.

Dakota, a corporation organized by bankers of South Dakota, has instructed its representatives to purchase a rig at once and have development in progress as soon as possible. The company has holdings on 22, 32-24, and will endeavor to prove that locality within the oil belt.

The principal work in the Devil's Den field is being done there by the Development company, and its well has reached a good depth, having passed through one stratum of oil sand. The The oil in this stratum was what is called "dead," gas having left it. Oil is expected in the next stratum of sand.

The Santa Fe Railroad system, will in the course of a very few days, have every engine west of Needles equipped for burning petroleum fuel. For some months it has been working to this end In March the road consumed 85,000 barrels of oil, and the amount is increasing. It is among the possibilities that the use of oil will be extended through Arizona soon.

Colossal on the northwest of 28, 28-28, recently purchased by Chanslor & Canfield from Kern Oil, has completed what is said to be a very good well. It has not been given a trial on the beam, but from the depth and quality of the sand through which the drill has passd, it gives promise of being more than an average Kern River producer. The tract on which this land is located was purchased some time since from Kern Oil for $200,000.

Among the agreements entered into and filed for record last week was a deal for a twenty-acre tract on 8, 29-28, a portion of the Kelley ranch. William Kelley, the owner of the property, and W. S. Porter are the parties to the agreement. The consideration is not definitely stated in the instrument, but on accepting the option Mr. Porter pays $200 per acre, $500 in sixty days and the balance in ninety days from date. It is hinted that the deal was made in the interests of some big concern that has need for more room in the field.

It is possible that the trouble and delay arising from heaving sand in the oil fields may be overcome by the use of compressed air. Eastern Star recently installed a compressed air plant and has been enabled to clean its pipe of the sand at the rate of 40 feet a day. Heretofore by the use of a bailer the company has been unable to lower the sand more than 15 feet a day. It is thought the compressor will greatly facilitate drilling, and it has already been conclusively proven that pumping is hastened by its usage.

That recently reported discovery on 5, 32-23, is said to be promising for a good well. The drill has uncovered a good sand, but has not gone into the stratum deep enough to determine its depth. It is encouraging for adding a broad area to the proven lands of the Midway district. It is a few miles to the northwest of the Bay City well and tends to prove the theory that the oil belt extends all the way along the west side of the valley, taking in Temblor, McKittrick, Midway and Sunset. The discoverles already made bring these several districts very close together.

The Mutual pipe-line, under the control of the Toltec, Chicago Crude and Senator comprnies, has been completed, and is in good working order. The line is more than five miles long and is so constructed that 200 barrels of oil can be carried to the railroad hourly during the day and 100 barrels during the night. The loading racks have also been increased so that 28 cars can be accommodated at one time. This will greatly facilitate the transportation of the Kern River product. Besides the three original parties other companies have been allowed to attach to the line. The Mutual system is said to be superior to any other in the field.

Chanslor & Canfield are preparing for extensive operations in the Midway country. Aside from the scheme to pipe water from the Santa Maria springs to the district, a distance of about sixteen miles, they have several rigs up and are planning to conduct development work on an extensive scale. Two of these rigs have been located on 15, 32-23, and another on 21. It is the intention to add four or five more rigs to the list and to prosecute the work with vigor. Work on the pipe line will be in progress at an early date and the enterprise completed as soon as possible, Chanslor & Canfield have big interests at Midway, and are confident that it will rank with the richest districts in the state.

Grace has made a new strike on 8, 29-28 in well No. 5 at a depth of about 1300 feet. This was not the first sand found in the well, but about the fourth. The first stratum, or top sand, was reached at 700, and since then it has been sand nearly all the way down, with only an occasional layer of clay to separate the strata. For a depth of twenty-five feet before this last stratum of oil the drill penetrated a hard sandstone, and then dropped into a sand rich with oil. At first glance the oil seemed to be a heavier grade product and darker colored, but on closer examination it is pronounced a better grade article. The drill was sent into this stratum for sixty feet, and still its extent is not fully determined. The five and five eighths casing is down about 1325 feet and will be driven until a good landing is reached

The Californian says that Mr. Ogden, who is interested in the project of running a pipe-line to tide water, was in Bakersfield recently, and made overtures to various producers. He is very enthusiastic over the question, and is satisfied that the line will be installed. Promoters will soon enter the field and take immediate steps to ascertain the attitude of the producers. The proposed line will cost, it is said, about $2,000,000, including the cost of the pumping stations which will be required to carry the oil over the proposed route. That such a line, if brought to a successful issue, will be a great advantage in the transportation of the production of the Kern county fields, is generally admitted, but whether the producers will willingly agree to use the line exclusively for a period of years, is yet a matter of conjecture.

The Californian reports on what is claimed by it to be the best authority that some of the biggest producers in Kern county have determined to shut down their wells until the price of oil advances to a figure somewhere in reason. Those that have contracts to be filled will purchase the 25-cent oil being offered by the smaller companies who feel that they must sell, and the supply will be so limited that it is expected that the price will be found to advance to 50 cents. In connection with handling the output of the fields, the report is that the Standard Oil has a stupendous project on foot to construct a pipe line to tidewater. For weeks engineers have been busy making experiments in the Kern River field, testing the carrying capacity of different sized pipe lines, and this work is being done with a view, it is claimed, to securing data for the pipe line project.

Chanslor & Canfield, so it is reported in Bakersfield, have placed an order for about sixteen miles of three inch pipe for use in construction of a water system for the Midway district, and will have the work under way as soon as the material is at hand. It will be a few weeks before the pipe arrives, but in the meantime the preliminary work of the enterprise will be in progress. The water will be piped from the Santa Maria springs, a point several miles distant, and after reaching the district proper will be distributed to parts of the field. The promoters of this enterprise have extensive landed interests in the Midway district, and, realizing that a scarcity of water has hampered development work to a considerable extent, are

OIL

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Arroyo Seco Oil and Development
Company's Lands

OIL

Within the last thirty days five companies have struck oil whose property adjoins ours.

Our first well drilling; down 200 feet in two weeks.

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Capital stock $500,000. 500,000 shares. Par value, $1.00 each. 720 acres of land are located in the famous Arroyo Seco and Veratina Districts of Monterey County, California. Active development work will be started at once. Oil has been struck on all sides of our lands.

Now is the time to invest. Don't wait until the stock gets beyond your reach. Live agents wanted in every town in the United States.

REFERENCES:

First National Bank, S. F. Crocker Woolworth National Bank, S. F. California Petroleum Miners' Association, S. F. "Bonds and Mortgages," Chicago, Ill.

For further information, address

The Arroyo Seco Oil and Development Company was organized to develop lands for oil, and was incorporated on December 27, 1900, under the laws of Arizona. Under those laws the stock is non-assessable, and the private property of its stockholders is exempt from corporate debt. The lands of the company were selected in small tracts in different localities in order to obtain the benefit of the increased value accruing from development of other lands near us by other companies. The property of the company consists of 1160 acres situated in Monterey county, California, south and west of the Salinas river, about eight miles from Soledad, in the Arroyo Seco District; in the Veratina and Hames Valley Districts, about seven miles from Bradley; and in the San Ardo District, about five miles from San Ardo. The districts named are school districts, and the towns mentioned are on the coast line of the Southern Pacific Railroad. The land is owned by the company free and clear of all incumbrance. A map of our properties will be cheerfully forwarded on application. On December 31, 1900, the board of directors authorized the sale of 50,000 shares of stock. On January 15, 1901, and before the company's prospectus was issued, most of the stock was already sold. Another 50,000 shares will be offered at a price to be fixed by the board. From these sales it is calculated ample funds will be obtained to complete the work proposed, as herein stated.

H. R. EARLE, Secretary

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planning such a system as will provide all the water necessary. Recent discoveries in the field have proven it to be valuable territory, and with a supply of water at hand there is certain to be extensive development work.

LOS ANGELES.

Green Mountain Oil company has just completed its third well on Colton street in the centre of the Los Angeles field. They have one more to drill there then they propose to move onto their Ventura county property.

As a result of the association recently formed by the producers in the Los Angeles field, the price has advanced 20 cents per barrel. Oil that sold for 60 cents two weeks ago is now firm at 80. The association controls over 600 of the 800 wells in the southern fields.

MONTERRY.

Arroyo Seco Oil & Development are down 320 feet in their first well, with a strong flow of gas and traces of oil.

NAPA.

The Anglo-American is now down 195 feet.

SANTA BARBARA.

The Loon Point company are preparing to pull casing, having bent the shoe. They will start a new hole.

Joe DeField has finished his contract with the Juanita company and taken his rig to Santa Barbara.

The Seaside plant was shut down for three days the past week, necessitating the closing down of the pumps on the North Star and Santa Barbara wharves.

The wildcatters in the Santa Maria valley, undismayed by repeated failures, are still pounding away manfully. The Graciosa company are putting up a heavy derrick and are preparing to go down 3000 feet. The Western Union company, on the Carreaga ranch, are down 900 feet on well No. 2. They started with fourteen and one-half-inch stovepipe and already have three strings of casing in the hole. Well No. 3 is down 470 feet.

The first well on the new wharf of the Santa Barbara Oil company made a very poor showing when perforated in the second sand, pumping about two barrels daily. Last week Manager Phillips concluded to tap the first sand, which was only fifteen feet thick, to see if he could not better the well. The perforations were made with an astonishing result. Oil and gas boiled out of the well at a tremendous rate and the first twenty-four hours showed a production of eighty barrels, which gradually worked down to fifty. Mr. Phillips has had the well capped and is utilizing the gas to run the engine.

SOLANO.

In addition to the oil struck in the Armijo well last week, considerable gas has since been escaping. A fourteen-inch water well has been sunk to a depth of 100 feet and all danger from a lack of water seems to have been passed, as a splendid supply has undoubtedly been secured.

In speaking of the Vacaville well Mr. Buck said that he confidently expected to report the strike of oil within the next 100 feet. The well is now down over 1100 feet going through formations of the same character in which oil is found in the southern oil district. There is a heavy pressure of gas and some indications of oil have been seen in the water baled out of the well.

STANISLAUS.

An oil expert named Onn was in the hills back of Grayson last week making thorough examination with a view to determining the oil possibilities of that quarter. The gentleman is in the employ of the Mt. Oso Oil Company, the home company organized for development purposes. Assistants and a camping outfit were placed at the gentleman's disposal, and the party left Grayson early Monday morning to spend the week afield. Other experts have pronounced the formation over there favorable for oil, and Mr. Onn's report will no doubt be confirmatory. He is charged to determine the most favorable location for a well, the Mt. Oso Company to be guided by his conclusions.

SANTA CRUZ.

The largest deal ever made in oil lands in Santa Cruz county has been effected at Boulder Creek. An eastern syndicate with a capital of $3,000,000 has bonded the entire Bear Creek and Two Bar oil region, which is said to contain the most promising oil lands in the state. The options represent nearly 50,000 acres and include the valuable Harstman, Jameson, Gibson and Hopkins properties, valued in the neighborhood of $150,000. As the same syndicate is interested in the Bay and Shore Coast Railroad, it is expected it will utilize this road as a natural route to the Big Basin and tap a large and valuable supply of timber.

SAN BENITO.

The board of directors of the Nonpareil Consolidated Oil company has decided to have Prof. W. L. Watts locate the site of well No. 3, and work will begin as soon as he has done so. Well No. 2, which is about 650 feet deep, is producing considerable oil of high grade quality, although the exact amount has not been tested. The oil that flows away from the tools during operation is traceable for three miles down the creek. Before beginning any wells with a Standard rig this company sank seven test wells to depths of 60 or 90 to 200 feet and in each of them found oil.

VENTURA.

The Santa Paula Gravity Oil company has now well No. 1 nearly completed. They will have a good producer of high grade oil and a ready market insures them a dividend paying company in a very short time. Their property is one of the most valuable in Ventura county. It is just east of the famous Doby well which is one of the largest producers of high grade oil in the state. The managment of this company insures a fair deal to all stockholders. The stock is handled by Ritter & Fuller, brokers in Mills Building.

Famoso.

Mr. George W. Magwood of the Famoso Oil and Investment company, returned this week from a trip through the oil fields in Kern county. He reports the completion of No. 3 of the Famoso, which when put on the pump excelled any of the others in the vicinity. This make three big producers for the Famoso, which is a worthy record and testimonial to their progressive business methods.

Prospectuses.

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MERSHON IN TROUBLE.

Lots of Suits Ahead and a Body-guard Needed.

James R. T. Mershon, who claims to have made so many men wealthy, is in a heap of trouble. He is now on trial on the charge of having defrauded S. S. Simon, the oil expert and oil company promoter, and when this trial is concluded it is said he will have to face the suits brought by others on similar charges. The trial brought out the fact that Mershon has had his stock issued to a "Mr. Schone" who proves to have been a lady who is now his wife. Mershon, it is said, keeps his property in such shape as to be beyond the reach of recovery by judgment. It would seem that Mershon feared a thrashing from the hands of those who feel they have been defrauded as he is now accompanied by a stalwart detective. Mershon is lucky in having an oil paper at his back of which he is said to be the "angel."

RAILROAD LANDS.

Relation of Patents to Mining Claims.

If the railroad land is patented, the title is good for any mines there may be on the land. Such a patent cannot be questioned, except for fraud in obtaining it. Only the Attorney-General of the United States can bring an action to cancel a patent based on fraud. The patent itself is presumptive evidence that there has been no fraud. On patented railroad grant land there may be mines, but there cannot be mining claims, as they are defined by the Revised Statutes of the United States. The mining claim is, strictly speaking, a grant of right to possession of and use of a tract of unpatented public land under compliance with certain conditions, one of which is assessment work. On patented land the mining claim ceases to exist as such, and with its termination of existence goes the necessity of compliance with the conditions provided for the possession and use of mining claims. Assessment work is not required on mines on patented land, no matter what kind of a land patent it is. If well known mineral land is in sections designated as railroad grant, at the time of the vesting of the title of grant, the well known mineral land is excluded from the grant and never in fact becomes part of it. On such land assessment work must be done on mining claims. If the land was not well known mineral land at the time of the vesting of the grant, but subsequently becomes well-known mineral land before what is known as "listing" for issuance of patent to the railroad, the land may, or may not, revert to the public land and become open to the location of mineral claims. It depends on the construction the courts have given to the particular grant. Generally mining claims are located, and on such development work must be done until patent issues.

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending June 19:

CALIFORNIA STANDARD.		
400 at	25	100 00
FOUR OIL.		
2400 at	35	840 00
800 at	36	288 00
HOME OIL.		
50 at	3 00	150 00
100 at	3 10	310 00
300 at	2 60	780 00
HANFORD.		
4 at	83 00	252 00
5 at	85 00	425 00
JUNCTION.		
1000 at	22	220 00
KERN.		
100 at	4 75	475 00
LION.		
1000(B 30) at	13	130 00
300 at	11	33 00
5900 at	12	708 00
MONARCH OF ARIZONA.		
400 at	30	120 00
400 at	28	112 00
200 at	31	62 00
2000 at	29	580 00
MONTE CRISTO.		
100 at	2 12½	212 50
PEERLESS.		
50 at	5 50	275 00
50 at	5 25	26 50
135 at	5 75	776 25
PETROLEUM CENTER.		
3000(S90) at	05	150 00
5000 (S 30) at	05	250 00
1000 at	06	60 00
STERLING.		
100 at	1 40	140 00
700 at	1 30	910 00
500 at	1 27½	637 50
Shares 25,994	Amount	$9,022.75

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, June 19:

BLUE GOOSE.		
20 at	1 00	20 00
BAY CITY.		
60 at	50	30 00
CALIFORNIA STANDARD.		
300 at	25	75 00
FOUR OIL CO		
1000 at	40	400 00
1650 at	35	577 50
300 at	36	108 00
HANFORD.		
4 (B60) at	87 00	348 00
2 at	84 00	168 00
1 at	81 00	81 00
4 at	85 00	340 00
3 at	80 00	240 00
HANFORD-FRESNO-KERN RIVER.		
1000(S2) at	08	80 00
900 at	08	72 00
HOME OIL.		
100 at	2 70	270 00
100(B90) at	2 65	265 00
200 at	3 10	620 00
250 at	3 15	787 50
515 at	2 50	1287 50
1400 at	2 55	3570 00
400 at	2 60	1040 00
INDEPENDENCE.		
1000 at	13	130 00
JUNCTION.		
1000 at	22	220 00
500 at	25	125 00
300 at	23	69 00
3100 at	20	620 00
KERN.		
200 at	5 00	1000 00
LION.		
800 at	12	96 00
2400 at	11	264 00
800 (S60) at	11	88 00
MONARCH OF ARIZONA.		
50(Cash) at	30	15 00
100 at	27	27 00
1000 at	26	260 00
300(S60) at	28	84 00
700 at	28	196 00
1600 at	29	464 00
500(S90) at	28	140 00
200(S90) at	27	54 00
MONTE CRISTO.		
200 at	2 12½	425 00
100 at	2 05	205 00
700 at	2 00	1400 00
OCCIDENTAL OF W. VA.		
700 at	50	350 00
250 at	49	122 50
OIL CITY PETROLEUM.		
1000 at	27	270 00
PETROLEUM CENTER.		
100 at	05	5 00
2800 at	08	224 00
3298 at	07	230 86
6600 at	06	396 00
PEERLESS.		
5 at	5 25	26 25
175 at	5 00	875 00
REED CRUDE.		
100 at	43	43 00
280 at	44	123 20
1308 at	45	588 60
STERLING.		
100 at	1 32½	132 50
200 at	1 27½	255 00
300 at	1 35	405 00
350 at	1 30	455 00
815 at	1 25	1018 75
SAN JOAQUIN.		
10 at	8 37½	83 75
10 at	7 75	77 50
10 at	7 87½	78 75
90 at	8 50	765 00
20 at	7 62½	152 50
10 at	7 50	75 00
SOVEREIGN.		
2400 at	25	600 00
200 at	24	48 00
TWENTY-EIGHT		
400 at	1 10	440 00
WEST SHORE.		
700 at	2 00	1400 00
Shares 50,990	Amount	$25,502.66

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Maritime Oil company. Principal place of business, San Francisco. Directors F H Crosby, J Graham Menzies F G Wilson Capt John Mac Allister, T A Cox, W Holmes H Holmes, J H Hughes, H N Clement and G F Mackenzie Capital stock, $500,000, subscribed, $10,000.

Yuba Oil company Principal place of business, San Diego Directors T T Hillman H C Gordan, N M Goodwin, C H Swallow and L A Wright. Capital stock, $14,000; subscribed in full

Parlier Oil company. Principal place of business Parlier Directors: I N Parlier, W F Hanke, F D Rosenthal, I W Parlier and W T Martin. Capital stock, $200,000; subscribed, $100,000

Southern California White Oil company. Principal place of business, Los Angeles. Directors J E Youngblood, N W Standish, J M Weygand, J W Davis, S B Withrow, R Barry and G F Putnam. Capital stock, $600,000, subscribed, $35.

Diamond Star Oil company Principal place of business, Phoenix, Ariz Directors: G W Owen, P V Schermerhorn, R D Robinson, C H Ritche and A C Thorp. Capital stock, $250 000

Central Star Oil company. Principal place of business, Phoenix, Ariz Directors. P V Schermerhorn, D M Schermerhorn, C H Ritche and J A Caldwell. Capital stock, $600,000.

Eastern Star Oil company. Principal place of business Phoenix, Ariz. Directors. P V Schermerhorn, R D Robinson, C H Ritchie and W S Morton. Capital stock, $2,000,000.

Prince Edward Oil company. Principal place business, Phoenix, Ariz. Directors: E Thelan, F H Samborn, H N Goff, L W Goff, H A Prizser, V E Shaw, C S Hardy and H L Titas. Capital stock, $350,000.

Tunnel Oil company. Principal place of business, Phoenix, Ariz. Directors: F A Conover, P E Berry, F H Samborn, S K Williamson, L F Davis, B C Williams, W S Hill, H A Priser, J G Routson, A A Noyes and S S Johnson. Capital stock, $300,000.

Denver-Fillmore Oil company. Principal place of business, Denver, Col. Directors: D P Glidden, E B Coe, J C Salisbury, C J Greene and W E Waddell. Capital stock, $10,000.

Sunset King Oil company. Principal place of business, Phoenix, Ariz. Directors: G Easton, B W Hahn, J R Atkinson, R B Dickson and M Phipps. Capital stock, $300,000.

Howard Oil company. Principal place of business, Tucson, Ariz. Directors: R H Brown, E S Brown, J R Smith, J W Calkins and S J Parsons. Capital stock, $250,000.

Occidental-Crescent Oil company. Principal place of business, Phoenix, Ariz. Directors: E C Rayburn, C E Hailstone and H B Worcester. Capital stock, $500,000.

Occidental T & P Oil company. Principal place of business, San Francisco. Directors: S E Tooker, R H Powell, W J Graham, C E Hailstone and F J Crites. Capital stock, $400,000.

The Occidental Oil company. Principal place of business, San Jose. Directors: J B Batz, J H Jordan, T L Moran E J Emmons, W F Phillips, J W Aherns, F M Graham and A F Heubner. Capital stock, $600,000.

Pilot Oil company. Principal place of business, Phoenix, Ariz. Directors: J J Henderson, C J James, J M Botte, C E Hailstone and M Wheeler. Capital stock, $500,000.

The S & S company. Principal place of business, San Jose. Directors: J L Stull, L Sonnikson, J A Moreland, C R Williams, W W M Ginty, M M Waite and F M Graham. Capital stock, $100.000.

King Phillip Oil company. Principal place of business, San Jose. Directors: W J Graham, F J Crites, T L Moran, F M Graham and C C E Hailstone. Capital stock, $400,000.

Occidental Queen Oil company. Principal place of business, San Jose. Directors: W H Campbell, C H Spencer, J M Rickerts, F E Edwards and F M Graham. Capital stock, $500,000.

Sunny South Oil company. Principal place of business, Phoenix, Ariz. Directors: F W Aust, C E Hailstone, E M Aust, M H Yost and F M Graham. Capital stock, $500.000.

Sequoia Oil & Derelopment company. Principal place of business, San Jose. Directors: J G Jury, W Gusserford, E C Rodwick, W H Campbell and R J Butler. Capital stock, $400,000.

Occidental Globe Oil company. Principal place of business, Oakland. Directors: I W Farnell, W B Watson, E Frick, C E Smith and A P Gordon. Capital stock, $400,000.

Fearless Oil company. Principal place of business, Phoenix, Ariz. Directors: W H Gosling, W H Rainy, W Brink, W D McKenzie, F S Phillips, H Brown, W C Cook, J P Wassum and R Raymond. Capital stock, $400,000.

The Electric Oil company of Arizona Principal place of business, Phoenix, Ariz Directors: H H Penness, J Ginty, G Miller, C Wetmore and R Garvey. Capital stock, $1,000,000.

Paraffine Oil company. Principal place of business, Pierre, S D. Directors: J L Davis, O L Gray, J D Crawford, W L Stephens and F A Stephens. Capital stock, $500,000.

North Kern River Crude Oil company. Principal place of business, Pierre, S D. Directors: R E Ragland, J M Walling and L L Stephens. Capital stock, $500,000.

Occidental King Oil company. Principal place of business, Oakland. Directors: J F Smith, J E McElroy, M R Goldberg, B F Stahl and J F Stark. Capital stock, $500.000.

Fairview Oil company. Principal place of business, San Francisco. Directors: J M Gleaves. C H Weves, S C Wallis, I J Truman, H E Van Meter, C D Monte, C O Fanda, F V Owen and V Quartararo. Capital stock, $500,000; subscribed, $9.

Gives Beaumont Two Months, Then it Will be a Quiet Field.

Mr. Frank B. Ranger, of Marietta, Ohio is in receipt of the following, which will be read with interest by oil men:

BEAUMONT, TEXAS, June 2, 1901.

F. B. Ranger,
Marietta, Ohio.

Friend Ranger—Yours of the 26 ult. received all right and would have answered sooner. but we have been so busy that I have not had time to draw a good long breath.

Of course you know that the Kelly-Kiser well is dry at 1,000 feet, and the Acme Oil company well is dry at 2,250 feet. This well is about 500 feet a little west or north of the Kelly-Kiser well.

The Texas-Pacific well is dry at 1,600 feet; this is about a half mile directly north of the Lucas well. Then the Gober well is dry at 1,400 feet. This well is west of the Lucas.

E. H. Jennings & Bros. have a dry hole at 1400 feet at Nedderlands, so you see that there is nothing that looks very good except to the southwest, and that has never been tested.

There is nothing in the reports of wells from other points in this state or Louisiana, so when you see any reports of wells you can brand them as fakes, and if anything comes outside of this pool, I will telegraph you if you wish it.

I do not think as much of this country from an oil standpoint as I did a couple of months ago, and I am afraid that in two months more that this field will be as quiet as any of the northern fields, as I do not think that this will ever make an extensive field and you known from this kind of sand that this oil is found in that they will not hold up long when they once get started down, and I know that the big wells are not doing as much by over a thousand barrels as they were a month ago, and tnen another thing to show that they are going down, is the fact that Guffey has begun to get in shape to put in packers and also to inquire about pumping outfits.

The boom companies are feeling pretty blue now, and the people that bought stock in them have begun to investigate and see if they cannot get their money back, and we will have some of the warmest times here when the balls start flying around in the air that we ever dreamt of.

With best wishes I am as ever,
Yours very truly,
S. M. ROGERS.

More Work at Hollister.

At a meeting of the stockholders of the Hollister Petroleum Development company, this week, it was resolved to commence boring a well on the Cowden tract, near town. This is conditioned upon the subscription for two thousand dollars worth of stock of the Petroleum Development company within ten days, which added to the $2,000 now in the treasury will give a boring fund of $4,000. The owners of the leases on the Cowden tract, the Baldwin ranch, the John Thomas tract, and four hundred acres of the T. J. Conkling tract near Paicines, have agreed to turn over the lease to the Petroleum Development company without consideration, other than the royalty of the land owners. The Standard rig of the San Benito Oil company is to be leased at a cost of $5 per day. The opinions expressed by experts Fox and Watts concerning the probability of oil being found on the Cowden tract are not to be considered final.

Resignation Tendered.

The resignation of J. H. Edson of the Western Oil Association has been tendered and accepted, thereby severing his connection completely with that corporation.

California Oil Syndicate

INCORPORATED UNDER THE LAWS OF ARIZONA THEREFORE THE STOCK IS ABSOLUTELY NON-ASSESSABLE

Capitalization, $500,000. Par Value of Shares, $1

520 acres of land in three best oil districts in California

Coalinga
McKittrick
Sunset

The company is selling a limited number of shares for development purposes at

25c Per Share

Rooms 486-487 Parrott Bldg.

San Francisco, Cal.

We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

On May 27 our stock will advance to 25c.

First well completed about June 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed.

Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.
T. A. KIRKPATRICK, Secretary.

HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.

First National Bank of San Francisco, Depository.

Oil Prospectuses

Booklets, Stock Certificates, Letterheads, Envelopes, Dodgers, Letter Circulars, etc.,

Printed at short notice and at reasonable prices.

Pacific Oil Reporter Job Office

Rooms 31, 32 and 33

318 Pine Street, San Francisco

Calistoga Oil and Development Company

Owns by Purchase

and holds by long-term leases, in all

2120 Acres of Oil Land

Situated in **NINE DISTRICTS** in six counties of California. This is a sweeping statement, but our prospectus explains in detail. Write for a copy and carefully analyze our plan. We are the pioneer drillers in Napa County where **LUBRICATING OIL** is found in numerous springs. Our first well, commenced May 15, 1901, when completed, will put on stock above par. You can buy for a short time a limited amount of stock at **50c.**

Procrastination may deny you an income.

Better write to-day.

Office 23 and 24 Merchants' Exchange

SAN FRANCISCO, CAL.

Buy Pacific Petroleum

This is good advice because **Pacific Petroleum Company, Limited,** is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the sole purpose of the

PAYMENT OF DIVIDENDS.

The lands of this company are located in the Devil's Den Oil District of Kern County, where a much higher grade of Petroleum has been developed than is found in the famous Kern River fields, and is pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, we are actually at work. We have no promoter's stock and are selling only treasury stock, every dollar of which goes into the development fund, which is held intact to pay for drilling operations only.

25,000 more shares at 5c per share. Stock may be withdrawn from public sale on July 1st. This is an opportunity for you to share in the profits of a well-located and entirely legitimate business enterprise. Buy now. This is a sure, safe investment. Send all applications to

PACIFIC PETROLEUM CO., LTD.

PAUL R. LEWIS, Secretary,

Room 210 Hearst (Examiner) Building, San Francisco.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

STOCKTON REFINERY.

Plans for Consumption of Heavy Oil.

W. H. H. Hart of San Francisco was in Stockton on Tuesday for the purpose of looking over the site of a proposed oil refinery and other industries which Henry C. Fricke, the steel magnate, and other Eastern capitalists representing $20,000,000, are planning on investing in this state, with Stockton as the center of operations. It is the biggest thing that has yet come Stockton's way and Hart, who practically has the investing of the $20,000,000, left for San Francisco in the afternoon well pleased with the situation,

The first proposition is the building of the big oil refinery. It will cost the snug sum of $200,000 and will be a modern structure second to none in the state. Mr. Hart viewed the proposed site, which consists of land owned by the Tesla Coal company and the Wilhoits. A bond is being drawn up on the Wilhoit property as a result of Hart's visit.

The company to control the refinery has been organized, but the articles of incorporation have not yet been filed. A representative of the company last week contracted for 120,000 barrels of Kern oil, and announced the intention of the company to purchase 3,000,000 more as soon as it can do so. The first shipment of 10,000 barrels will be made on the 1st of September, and a like amount will be shipped each month following for twelve months. The price has not been officially given out, but it has been announced in a semi-official way that the contract was made at 25 cents per barrel.

The present indication is that the construction of the big refinery will be commenced within a month. The object of the company in locating in Stockton is to be on tide water, where river transportation will give the company freedom in dealing with the railroad companies which have, so it is claimed, established quite unfavorable rates for the oil producers.

With the completion of the refinery it is proposed by the capitalists to place themselves in an independent position by running either a railroad or a pipe line from the Kern oil fields to this city in order to handle the oil independently of the railroad companies, which are working so closely together in the matter of carrying the crude petroleum of California. With such a vast amount of capital and more to draw on if necessary the company can accomplish nearly everything it desires in the line of new industries in this state.

Along with the oil refinery will probably be a coke manufacturing plant. Professor Lowe's method will be followed. The coal will first be placed in a closed compartment and heated to 3000 degrees till the coal melts. Crude petroleum will then be poured on the melted coal, filling the crevices. The mass will be heated again to complete the process of making coke. It is claimed that a coke can be produced superior to the Pennsylvania. No coke is now manufactured in this state to speak of. With such vast resources the company will also take up kindred resources.

Stockton can consider itself fortunate in attracting the capital of such enterprising men as Hart and Mr. Fricke. It is said that Hart himself cleared nearly a million in disposing of his Coalinga interests the other day. Hart apparently thinks that Stockton is admirably situated for the industries which the company proposes to establish. If the oil refinery is located here, as it very likely will, it will be only reasonable to suppose that the other industries which the company contemplates establishing will also be established here. The fact that Tesla coal is at hand here may have been one of the things in favor of Stockton, as the coal can be used to advantage in the manufacture of coke.

DEVELOPMENT IN KERN RIVER.

Rapid Increase in the Number of Wells.

It is believed that at the present time there are at least 500 completed wells and over a hundred drilling in the Kern River field. Sections 4 and 5, 29-28, and section 29, 28-28, may be taken as an example.

The Californian is authority for the statement that in these sections the following wells have been completed or are now drilling:

Company	Completed	Drilling
Section 4, 29-28:		
Aztec.....	7	2
Knob Hill....	6	2
East Puente..	1	1
Zaca Lake....	1	1
Wilson.....	2	0
Famoso.....	2	1
K. R. Mutual.	2	1
Blinn.....	2	0
Gold Standard.	2	1
Four.....,....	8	1
Wolverine....	3	2
Kern River...	7	2
Black Jack....	2	1
Apollo.....	4	4
Alma.....	6	4
Alma, Jr.....	2	2
Central Point.	13	0
Red Bank	7	2
Revenue.....	6	1
Petroleum Dev	6—89	3—31
Section 5, 29-28:		
San Joaquin..	13	6
Monte Cristo..	13	5
Mercedes	2	2
Del Rey.....	3	3
Cortez.....	2	0
"5".....	2—35	0—16
Section 29, 28-28:		
Canfield... ...	19	2
Continental...	5	0
Loma Vista...	0	1
T. Continental	1	0
Eastern Star..	5	3
N. Y California	0	1
Mecca.....	0	2
Alva.....	1	0
Hecla.....	1	1
Bolena.....	1	1
Vernon.....	3	1
Columbian....	2	1
Missouri.....	2	1
Piedmont.....	1	1
Linda Vista...	1	1
Richmond....	0	1
Sacramento...	6—48	1—18
Total.....	172	65

SECOND-HAND half-inch steel sand-pump line 400 feet long for sale cheap. Address NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland, or F. CHAPELLET, 214 Pine St., San Francisco.

WANTED.

A good second-hand Standard Rig. Address:

FLASHLIGHT OIL CO.,

23 Columbian Bldg., S. F.

NEW WATER SYSTEM.

Pipe Laying Begun on the Vallecitos Water System.

Pipe laying began Thursday, June 20, on the new water system of the Vallecitos Water system, which is expected to supply the Esmeralda, La Primera and Hamiltonian oil companies now operating in 11-17 and 12-17 in the Fresno-Benito oil district and possibly others which will operate in that locality. The company has sufficient supply to accomodate fifteen companies and with larger mains could supply fifty. The company is putting in three miles of three-quarter inch pipe, and is erecting two ten-thousand gallon tanks

The Hamiltonian has been hauling water up a very steep grade at a cost of about $400 a month, and this only gave sufficient supply for a single shift. The new system will give an abundance of pure, sweet water at a cost of $100 a month for each rig. The companies operating in the neighborhood have suspended operations pending the installment of the water system, which is expected to be in operation in about ten days. The company was recently incorporated for $10,000, of which $3,500 has been subscribed. Wm. Palmtag of Hollister is president and H. S. Field of this city is vice-president and manager.

AT COALINGA.

Important Development Work Will Soon Be Done in this District.

Those in a position to know, being the heavy producers of oil in the Coalinga district, state emphatically that the Union Oil Company will not long have a monopoly in the pipe line business from the Coalinga oil district to the railroad. A new company has been formed backed by abundant capital and having those connected with it who are prominently connected with the Standard Oil Company in the east, and will soon construct a pipe line.

It is stated also that although the local Standard oil people have pronounced the Coalinga oil unfit for refining for illuminating purposes, the oil is being refined for this purpose and found to be satisfactory.

Messrs. Chanslor & Canfield have been in the city for several days and are obviously at work on some scheme which has in view an immense deal in Coalinga property and in Coalinga developments.

It is a well known fact that Mr. Chanslor has for some time had his knife sharpened for the Hearst Estate, particularly since Mr. Ellis became the president of the Home Oil company. For some time past Chanslor & Canfield have been underselling the Hearst Estate, and it is said that their competition has really been the cause of the repudiation by the Hearst Estate of their contract with the Home Oil company.

The project for a pipe-line from Coalinga to the sea seems to be taking definite shape. Several options have been secured at points along the bay on locations suitable for refinery purpose, and it is the intention, if sufficiently favorable rates can be secured from the railroad companies, to find a market for the distillate, gasoline, naphtha and other products in the Chicago market.

Surveys for a favorable route are now being made, and the construction has been contingent on the reply of the railroad people to a request for a 25-cent rate from Coalinga. It is expected that all of the Coalinga product can be secured with the possible exception of the Home Oil company, whose contract with the Hearst Estate is now the subject of a dispute between the parties. In regard to the oil on section Twenty-eight, the Union Oil company has contracted for 750 barrels a month, and all in excess of this is available for the new proposition. A flat rate of 70 cents is being offered on this oil.

Lincoln Oil Co.

This office has recently been in receipt of numerous inquiries both from California and from the East concerning the Lincoln Oil company.

The latest news from this company is a letter from I. D. Martin, president of the company, in which he says: "J. H. Edson, secretary and manager of the Lincoln Oil company, expects to return from the East, whither he has gone on business, not later than July 1st, and I think even earlier, probably by June 24. As to the financial affairs of the company, will say that every effort is being made to adjust them to the satisfaction of all concerned."

Kern River Land for Sale.

Every week shows the oil belt to be extending south of Kern River. The farthest development south is the well of the Wizard Oil Company, in 26, 29-28, which is now down over 800 feet, with every indication of oil.

The undersigned has land in the adjoining section which he offers for a short time only at $110 an acre, on easy terms. This land will soon be worth $1,000 an acre.

Address, "Landowner,"
Care PACIFIC OIL REPORTER.

The Oil Market.

It seems to be settled that in the Kern River field the Standard is securing control of the output, and this company and the Union seem likely to control the entire oil market soon, unless W. H. H. Hart's refinery plans materialize soon. The Union continues to handle the oil produced from its holdings of 109,000 acres, and not long ago increased its capital stock from $5,000,000 to $10,000,000, the office price of the stock being $75 per share, the proceeds being used for more extensive development work.

This company and the Standard, together with the Producers Oil Storage & Transportation company are all trying to get control of the oil belonging to the new ganization of Los Angeles Oil Producers. Meanwhile the Los Angeles men are anxious to get the Kern River oil shipped to the North, so it will no longer come into competition with themselves.

In New Territory.

Mr. H. Francis is elated over the progress of his well in the new territory in 23, 28-27. The well has been drilled in a remarkably short time to a depth of over 1100 feet, 1030 feet having a eleven and five-eighths casing, the balance being eight-inch drive pipe. There is every indication of oil.

When you want to swear go to

LEE D. CRAIG

Notary Public and
Commissioner of Deeds

316 Montgomery St.

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$10 WILL EARN $100

In addition to our operations in the oil fields of California, we are now heavily interested in Texas, and our investors are receiving double advantages. We will earn

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for our certificate holders this month, and it will pay conservative people to write us at once. Let us tell you what our investors say about us.

Standard Oil Promotion and Investment Company

575-576-577 Parrott Bldg.,

SAN FRANCISCO.

F. M. GRAHAM, President. DR. C. E. HAILSTONE, Secretary

GRAHAM, HAILSTONE & CO.

General Agents for the sale of Stock in the Occidental Oil Company and all of its Sub-Companies
Offices, 470-471-472 Parrott Building, San Francisco. Telephone, Mint 716.
All stocks are non-assessable. Oil is guaranteed.

Two Good Buys

WESTERN OIL CO.

Capital $500,000. Operating in Sunset District. A limited number of shares offered at 25c per share.

MANCHESTER AND LIVERPOOL OIL CO.

Capital $500,000. Operating in San Luis Obispo County. A few thousand shares to be sold at 25c per share.

RELIABLE AGENTS WANTED IN EVERY TOWN.

FOR INFORMATION INQUIRE OF

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OIL STOCKS AND OIL LANDS

Lands for lease or sale. Mines and mineral lands.
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PHONE HOWARD 2491.
Branch office, 314-315 Courtier Building, Los Angeles, Cal.

WILL JOIN FORCES.

Colusa Companies Who Will Unite in Drilling a Well.

Four companies who have land in Colusa County have determined to join funds and forces and drill a well to prove whether or no their lands are in oil territory. The names of these companies are the Cache Creek, the Columbian Paraffine, the Leased Land and the Fairview. These companies will each put an amount of money the aggregate of which will be sufficient to drill a well deep enough to prove whether oil can be found in this portion of the state or not.

This is a plan which should be followed in other portions of the state. In the Fresno-San Benito district enough money has been expended by different companies to have sunk half a dozen deep wells in as many different portions of the district. Yet the fact remains that in spite of the fifty or more wells which have been drilled in this district not one has been drilled deep enough to obtain either a good producing oil well or to demonstrate the fact that oil does not exist in this district.

The same can be said of individual but futile attempts to find oil in other districts.

Individual companies should not attempt to bore for oil in new districts but to join forces, then by an expenditure of twenty-five hundred or three thousand dollars apiece they can accomplish more good for themselves than if they had spent ten thousand dollars each on individual wells and then been forced to abandon further development proceedings on account of lack of funds.

"In Union there is strength" is a motto which should be learned by oil companies as well as individuals.

Don't Neglect this Opportunity.

The Standard Consolidated Oil and Land Company have decided to advance the price of their stock. The following resolution was adopted at the last meeting of the directors. In view of the large amount of development work already accomplished and the rapidity with which the same is progressing that stock in this company is worth from a conservative estimate far above its present selling price of 10 cents per share and therefore be it resolved that the price of stock shall be advanced on the 13th day of July, 1901 to 20 cents per share. The rapidity with which this company has been working since their incorporation is truly commendable, and in consequence they are receiving the support of investors who realize the splendid future which is opening up to this company from a financial standpoint and the bright prospects of receiving early returns from their investments. As a further demonstration of their financial strength, they are guaranteeing their stock, so that any purchasers who may become dissatisfied with the management or the oil-bearing properties can at the expiration of six months time have their money returned to them with 6 per cent interest added thereto. We would suggest that those who have not as yet made an investment in the stock of this company should give the same consideration before the price of stock advances and they loose this opportunity to get in on the ground floor.

McKittrick.

When the first stock of shares of the Standard Rock Oil company was placed on the market at 5 cents per share, a great many people would not buy them, because as one Swedish lady remarked, "I tawt it was all a hoombug!"

It is now advanced to 20 cents per share. That these shares were placed on themarket by a reliable and strictly legitimate oil company, which is beyond reproach and who would not stoop to misrepresenting the true state of affairs and such company should certainly be patronized by the investing public in preference to some companies who claim all and cannot prove anything. The Standard Rock Oil company has leased ninety-two acres of absolutely proven oil lands in McKittrick, which are surrounded on all sides by producing wells. The oil from the Little Standard fairly runs over the Standard Rock lands. The wells surrounding these lands are too numerous to mention, and the distance to the Southern Pacific Railroad station, a very important factor, is only five-eighths of a mile and close to the five 35,000 Standard oil tanks.

The company also owns eighty acres of proven oil lands in Coalinga within two miles northwest of the famous Home Oil company in section 20, township 19, range 15 east and owns 160 acres in Napa valley adjoining the only oil well in Napa County, Cal., absolutely proven oil territory and oil up there is worth $8.00 per barrel as it is a lubricant. The assets of this company are sufficient to warrant any bona fide investments and, as the derrick in McKittrick is erected, as soon as sufficient money is subscribed the first well which is contracted for, will be drilled and it is not a question of striking oil on this ground, but of how many 100 barrels per day will they succeed in finding. Conscientiously we could not advise anyone any better and feel safe in saying that good returns will follow an investment in the Standard Rock Oil company, whose offices are at 475-76 Parrott Building, 855 Market street, San Francisco, Cal., where stock can be had at 20 cents per share. *

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

Special Announcement

A great many of my clients have been making money by investing in shares of a number of oil companies, the rise in one of which paying for more than the cost of all the balance. Such investments are growing in favor and there is not a day when I don't receive application to furnish an assortment of oil stocks for a certain amount of money.

In order to facilitate such orders I have made up a list of different assortments of oil stocks to be got for amounts set opposite and will so furnish same as below on receipt of money order or draft.

No 1 for $20.
100 shares California Rock Oil.
200 shares Three States.
100 shares Kern River O. & D.
500 shares Pittsburg Con.
100 shares Lone Star.

No. 2 for $30.
100 shares Bachelors.
250 shares Three States.
100 shares London.
150 shares California Rock Oil.
100 shares Lone Star.

No. 3 for $40.
100 shares California Fortune.
100 shares Bachelors.
100 shares Three States.
500 shares Pittsburg Con.
150 shares Kern River O. & D.

No. 4 for $50.
100 shares California Mutual.
100 shares Kern River O. & D.
50 shares Grand Pacific.
100 shares Bachelors.
100 shares Three States.

No. 5 for $60.
100 shares Bachelors.
100 shares Grand Pacific
500 shares Santa Maria.
100 shares Three States.
500 shares Pittsburg Con.

No. 6 for $75.
100 shares California Mutual.
50 shares Grand Pacific.
50 shares California Fortune.
200 shares California Rock Oil.
500 shares Santa Maria.

No. 7 for $100.
100 shares California Fortune.
200 shares Bachelors.
500 shares Santa Maria.
50 shares Grand Pacific.
500 shares Pittsburg Con.
200 shares Kern River O. & D.
250 shares Three States.
100 shares London.

Orders will be filled in rotation and will receive gratis a copy of the Ready Reference Book, containing the latest information about oil stocks. First come first served.

Orders for any other oil stocks will receive my close attention and will befurnished at lower prices than quoted by anyone else, be he a broker or the company itself. Address all communications to

JOSEPH B. TOPLITZ,

Member Producers' Oil Exchange,

330 Pine Street, San Francisco

Not Quantity of Land but Quality

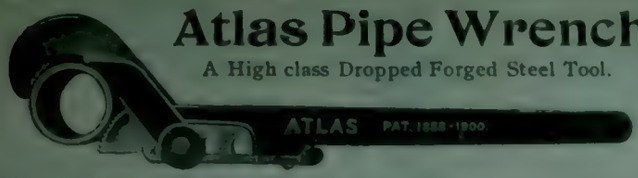
SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER



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A High class Dropped Forged Steel Tool.

Quick, effective and Positive in adjustment. The good qualities o Chain Pipe Wrench and Screw Pipe Wrench combined without hav ing the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

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The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem boxes

Drillers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.
It is only necessy to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.

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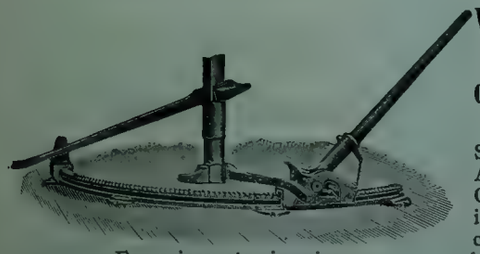

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Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

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SAN FRANCISCO, CAL. BAKERSFIELD, CAL.

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BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francsco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A, Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R. 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 605 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20. 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO. OF WEST VIRGINIA
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hallstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA
Capital stock, 600,000 shares.....par value, $1.00
Officers—Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hallstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents. 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district.
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne. Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block, Bakersfield, Cal.

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield, treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn. W. W. Hutchinson-Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota
This is our property—2140 acres, Kern county; 134 acres, San Diego county; 370 acres, Glenn county; 800 acres, Tehama county; 4860 acres, San Benito county; 140 acres, Monterey county; 800 acres, Fresno county; 400 acres, Humboldt county—9594 acres.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; Union Trust company, treasurer; W E Robinson, Springfield Ill., Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 428 A Street. Portland, Ore. McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

X L N T OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco, Cal

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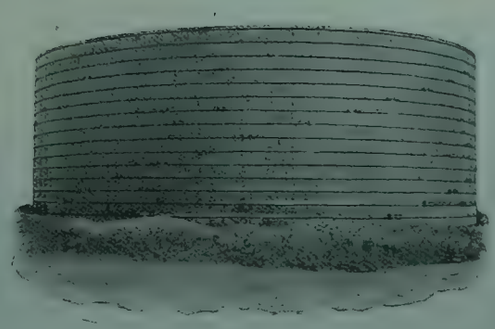

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The directors have put 20,000 shares on the market at 15 cents per share, but reserve the right to withdraw the same and advance the price at any time without notice. Write to

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15 Cents

R. K. ROBERTS, Secretary
312 Emma Spreckels Building
San Francisco, Cal.

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VOLUME 2 NUMBER 34

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, JUNE 28, 1901.

R.H. HERRON CO.
DEALERS IN
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It is going rapidly. Well No. 3 completed. Will soon commence No. 4 and continue with same push and energy until we have completed fifteen wells. We are now known as one of the large producing companies. We have been in the field only four and one-half months and have three of the best oil wells in the state. We are about to close a large contract for the sale of oil, which, if completed, will put us in the list of dividend-paying companies. All moneys received by us are an actual asset of the stockholders, as they are honestly disbursed and made to count as such.

One Word to Investors

The officers of this company have taken the precaution of placing nothing but concise business propositions to you, knowing that in doing so it has appealed to the intelligent investor.

An Opportunity

With our friends and patrons we have had pleasant business relations. Who can realize the feelings of a man who, after struggling long against adversity, suddenly finds himself placed by some turn of fortune in a competency, even in luxury? Such occurrences are by no means rare—they are daily. Close study will impress you with the fact that no other investment offers such golden returns as oil. Large fortunes are amassed with great rapidity. The man of ordinary means has but little chance at the present day to avail himself of the great opportunities offered for investments. The oil industry offers the small investors a chance to reap some of the profits offered. Besides the large prospective increase in the value of our stock, we are one of the most successful companies in the field.

Famoso Oil and Investment Company

393-394 Parrott Building

SAN FRANCISCO

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PACIFIC OIL REPORTER

VOL. 2. NO. 34. SAN FRANCISCO, CAL., FRIDAY, JUNE 28, 1901. PRICE, TEN CENTS

USE OF COMPRESSED AIR.

How the New Process of Pumping Oil Wells Is Managed by Parke & Lacy Co.

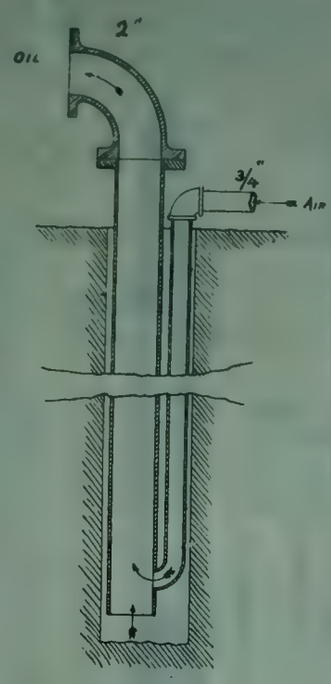
Efficiency Secured in Removing Sand—Small Power Required—Wells Easily Reached—Quantity of Oil Raised.

The oil business from the practical point of view is capable of an infinite amount of improvement. Machinery and methods of drilling, pumping and refining are yet crude and in many respects experimental, and afford an extensive field for the ingenuity of the mechanical engineer. One of the perplexing problems of the new Kern Valley fields has been the handling of the sand in which the oil is absorbed. This sand is totally different from the oil-bearing rock of the Eastern oil fields, not being cohesive in character, so that the infiltration of the oil through the porforations of the casing carries with it a proportion of the sand in which the oil is found. The ordinary process of removal of the oil by means of a force pump does not keep the sand agitated sufficiently to be carried off with the oil and it consequently accumulates and "sands up," or chokes the casing, diminishing the flow of oil and ultimately rendering the well useless.

Various plans have been tried to meet this difficulty—the use of sieves or strainers to line the casing, flushing with water and other methods. The most usual process is that of "pulling" the well, or removing the tubing and cleaning out with a sand-pump, but that is a tedious and expensive way. A new process has recently been introduced with considerable success, which seems to be adapted to local conditions. This is the introduction of compressed air into the tubing, forcing the oil to the surface. The Eastern Star Company recently installed a compressed air plant on its property at Kern River and by its use has been enabled to free its pipe from sand at the rate of forty feet a day, while not more than fifteen feet of sand a day could be removed with a sand pump. Not only is pumping much more rapid with the air process but it is thought it can be used to facilitate drilling. The Globe Company has met with success in using the process, and the Golden Rod if now installing a new plant and expects soon to have it in working order.

For the purpose of testing the efficiency of pumping oil with compressed air Parke & Lacy Co. of San Francisco recently installed a temporary plant at the oil wells of the Dabney Oil Company, McKittrick, and it was proved beyond a doubt that this system of pumping is admirably adapted to the conditions existing in our California oil fields, particularly in districts where the presence of sand makes the operation of plunger pumps very difficult, for with the "air lift" system there are no working parts below the surface, so that "sand clogging" is impossible. Furthermore the "air lift" continuously forces out the sand as it works into the casing, thus keeping the wells clear at all times. With machinery properly designed and the correct ratio of pipe maintained the "air lift" system of pumping oil wells is very successful and economical, and it will doubtless be the method adopted in the future, especially in cases where the wells are situated in groups at considerable distance from each other; for in such instances from one central station each well may be pumped separately, or all the wells may be pumped together, regardless of the distance between them. At the wells above referred to the test showed that the oil could be raised from a depth of 400 feet below the surface with a pressure of 80 pounds. Parke & Lacy Co., 21-23 Fremont street, San Francisco, are prepared to make estimates upon and to install plants of this nature on receipt of full information as to the existing conditions.

The cost of installing a compressor plant is from $500 to $1000, providing the engine and boiler are already installed, as is the case with most oil companies. This is no more than the cost of putting in a pumping jack, and much greater efficiency is secured. The cost depends upon the depth to the surface of the oil and the elevation and horizontal distance which the oil has to traverse to reach the tank, as well as the amount of oil to be raised.



Section of Top and Bottom of Oil Well, with Air Compressor Pumping Plant Installed, Showing Manner of Making Connections by Parke & Lacy System

Parke & Lacy Co.'s New Compressed Air Pumping Process in Use in Kern County. The Air Compressor at Work.

THE OIL MAN'S FISHING.

How Lost Tools Are Secured. Some New Inventions.

Accidents will happen in the best regulated oil camps and in many of the worst regulated ones they happen entirely too frequently. A careless driller allows the tools to start down the hole and stops them so suddenly the ropes break and down they go to the bottom of the hole. Another starts or stops his engine too quick and off flies the bull rope with a like result. A third allows the sand line to uncoil in the hole and it snaps off leaving the bailer there. Still another drops everything loose in the hole or the sand heaves up catching the tools. The removing of these lost articles is called "fishing," and many of the reports from the well are "fishing." Do not for a moment think that it is anything like the usual fishing on a vacation,

Fig. 1. Rope Spear.

Fig 2. Casing Swedge.

for it is the most difficult work the driller has to do and the one requiring the most patience and ingenuity. It frequently requires weeks of patient work to remove the various articles lost and often no sooner is one out than another in. We have in mind a case now where first one thing and another was lost until the president laconically remarked upon being asked what progress they were making. "Oh, we have fished out everything about the derrick and now have the engine, boiler and the entire directory in the hole." The tools used in fishing and known as fishing tools are as legion as the articles lost. One of the first operations is to take an impression of the top of the lost tool in order to ascertain the shape and position in the hole. To do this a flat instrument on the bottom of which a wax or cement is placed is lowered and pressed against the bottom of hole when the impression is made and used as a guide in determining which tool to use. The most accidents are caused by the breaking of rope or sand line

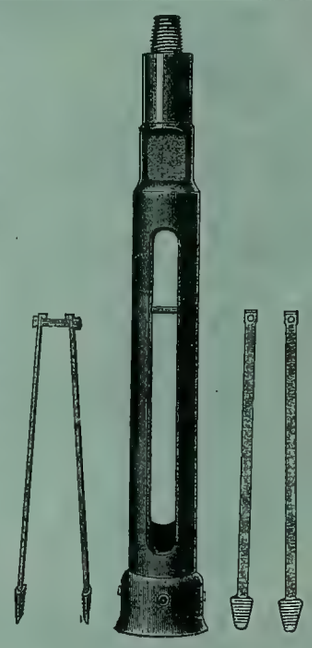


Fig 3—Slip Socket and Slips.

and when the break occurs above the tools leaving any of the rope in the hole the rope spear shown in Fig. 1 is used. It is full of little spears as can be seen and these take hold of the rope or sand line and when the spear is pulled to the surface it brings the lost tool with it.

Sometimes many unsuccessful attempts are made before the little hooks take hold, and it is during these apparently wasted hours that the directors lose their control and cuss things in general. Very frequently the driller does not know how to handle fishing tools and wastes the time unintentionally. It is always best to have an expert fisher even if his wages are high. An instance in point is related of a Los Angeles oil company who had been fishing unsuccessfully for over three weeks at an expense of not less than $30 per day and then sent for an expert fisher who went into the derrick a few moments, ascertained what was in the hole and said he would be back after dinner. No sooner had everyone left the derrick for dinner than he and assistant stepped in and when they returned to see him try it and fail as they had done the tools were on the derrick floor. He handed the president his bill for $100 and was met with the statement that it was an outrage for an hour's work but asked to itemize it which he did as follows:

John Doe Oil Co. to Richard Roe, Dr.

For one hour's work fishing.	$ 1.00
For knowing what your fellows didn't.....	499.00
	$500.00

Suffice it to say his bill was paid. So we advise when in trouble get a good mechanical expert to help you out quickly, for where men are drilling who one year ago were Portuguese sheepherders, as in some cases we know, nothing else can be expected.

We have just heard of a case where a party had fished for a whole day for a bailer thinking the sand line had broken and left it in the hole when his toolie started to go up the derrick to make repairs and saw it hanging in the crown block. The driller had pulled it up through the derrick and was either so scared or ignorant he thought it had gone down the hole. A case of green man of course. We know of cases of fishing over two weeks before the rope spear has taken hold yet the writer has so far never required more than one day. It is used much more often than any

Fig. 4—Bootjack.—Latch up Ready to Catch Bale.

other tool and no rig is complete without a rope spear.

However, it frequently happens that the tools have fallen so hard that the rope will not raise them, but tears off, or the cable breaks off at the top of the tools. In other cases the tools separate at one of the joints or break in two. Then the fishing tool is either a horn or slip socket. The horn socket resembles a strong piece of pipe, split part of its length and having a protecting band around the bottom, and a pin, as it is called, in the top. The pin is a threaded end that enables it to be screwed to the tools used to lower it in the hole. The horn socket is then driven over the top of the lost tools and holds them by friction until they are brought to the surface. It will not hold if the tools are stuck in the bottom of the hole, however.

The slip socket shown in Fig. 3 is used in cases where the tools are very hard to remove. It is so called because a pair of sharp-toothed slips of wedge-shaped steel that have sharp teeth so arranged that when an attempt is made to pull the socket out of the hole they catch whatever is inside of the bowl and hold to it exactly as pipe tongs hold a pipe. When once they take hold they never let go until they are out of the hole again, and a slip socket is therefore a very reliable tool. The writer remembers loaning a slip socket to a driller to remove tools that dropped 400 feet and were so deeply driven into the formation that it required several days' jarring to loosen them, and when the tools were at last removed the slips had so firmly embedded themselves that they could not be loosened with a sledge and the whole thing was sent to a shop to separate them. In another case the tools were caught on the casing and the entire string of casing came out of the hole with the tools.

Again, something drops into the hole like a bailer or sand-pump that has a handle or bail on the top. In this case a tool with two prongs, and a latch hinged to one and catching on the other, is used. As the prongs pass over the bailer the latch raises and drops under it and upon raising catches under the bail and "catches the fish." Such a tool is called a bootjack. Strange name, you may say, but not the strangest around an oil well. A bootjack is shown in Fig. 4.

It sometimes happens that the drill catches while drilling and cannot be loosened by pulling on the cable, and in order to get them out the rope must be cut and a slip socket used. To do this a rope knife, Fig. 5, is so constructed that it readily passes down over the rope without cutting, but the instant the direction is changed and the rope knife raised, the cable is cut in two at any depth the driller elects. The use of the rope knife is very often abused, and many strings of tools that could easily be removed by hydraulic fishing can scarcely be gotten out at all after the cable is cut, and in many cases are never removed, in fact, at all, and the well is abandoned.

Many curious tools have to be made to meet special cases. Some time ago the writer had four spring steel prongs with catches filed on their inner sides fastened to a piece of 4-inch pipe in order to remove a piece of iron. But the most curious fishing tool was a little dried-up toolie who was selected because of his small stature and large nerve. He was let down in the hole head first and brought to the surface in his hands a piece of iron that nothing seemed to take hold of.

When it becomes necessary to pull the casing out of the well and it is in quite solidly a tool called a casing spear is used. The main

feature of casing spears are grips on either side or "bull dogs" in oil well parlance. These are arranged to catch the casing when the spear is raised, and hold it firmly on the inside until the desired casing is removed. Casing spears are of two kinds; those that have no further mechanism than the grips and when once hold do not let go and those that break their hold by being lowered again and can then be removed from the well. The latter kind shown in Fig. 6 is now commonly used. When the casing is in good condition and whole there is not much trouble, but when it is torn or collapsed there is nothing for these spears to take hold of, and to meet such an emergency a spear is made by Mr J. E. Breitwiser, the mechanical oil well expert, who is also originator of the hydraulic fishing method hereafter described and to whom we are indebted for friendly assistance in this and other articles of expert nature. This spear is constructed with a pointed ball that will gather up the fragments of casing and bring them up against the cone as shown in Fig. 7 and bend then in around the ball. When an attempt to raise

Fig. 5—Patent Grip Rope Knife and Jars

the spear is made the cone drops down and the pressure tightens it on the ball holding the piece of casing firmly. With this spear any piece of casing can be removed even if only part of a joint or casing can be removed piece by piece if in shreds.

The cone can be removed and it is then used as a casing swedge to swedge out uneven or collapsed pieces in the casing.

All of the above fishing tools are designed for special uses and when they are used there is supposed to be nothing in the hole except the certain article for which they are especially made. But in most of the California wells the drilling tools are no sooner lost in the wells than they are covered with heaving sand, in fact many of them are buried under this sand while being used and many fishing jobs are caused by this treacherous formation. Of course it is useless to attempt to use any of the fishing tools in such

Fig. 6. Casing Spear

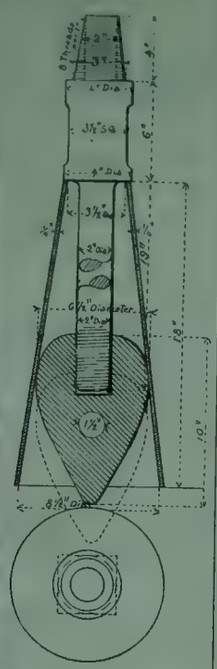


Fig. 7—New Spear for Shreds of Casing Designed by J. E. Breitwiser.

wells till the sand is removed and as it often comes in as fast as taken out or before a change can be made from the tools used in removing sand to those used in fishing it often happens that these wells have been abandoned. If, however, the cable has not been cut off in a futile attempt to fish with old methods the hydraulic method is by far the quicker method of removing the sand and tools, for in wells the trouble is nearly always caused by the sand covering the tools. This method consists in pumping water into the well under high pressure through a pipe on the lower end of which is a nozzle so arranged that the sand is loosened and brought to the top and when all washed out the tools are taken out of the well by the cable or the usual fishing tool if the cable has been cut. Mr. Breitwiser has removed bailers and drilling tools that were covered with sand from 100 to 300 feet in less than twelve hours work. But unless a driller has a pump hose and water swivel of sufficient capacity and then knows how to use them so as to wash sand out and if necessary remove his hydraulic pipe and lost tools at the same time while washing out the sand that is heaving in, he had better not try hydraulic fishing, for it is one of the most difficult fishing operations and one that has to be done without delay. One minute means success or failure often in this sand. The hydraulic method is the only quick and effective fishing in sand and though new is bound to come into universal use. But our advice to you is "don't monkey with the band wagon unless you play the bass drum."

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On this land are oil seepages and outcroppings of the finest looking oil sands and shales, also deposits of nitre, borax, and in another part gold and copper ledges of unknown extent, all of which gives these locations a high prospective value.

Mr. M. L. Cook, County Surveyor of San Bernardino County writes regarding these lands:

"DEAR SIR:—Your communication of the 5th at hand. You ask me what my opinion is of the territory you have located for oil lands in the section of the country I have recently surveyed for you. I will state that I have gone over the entire territory and during the past two months have surveyed and examined the country along the entire length of this particular oil belt in which your locations are situated, I can state that your territory is as good as any located thereon, and I consider it superior to the country near what is known as the Black Ranch or the Hiawatha fields. I will further state that I was in the country early, and had my choice of ground, and I selected the same locality in which you have located, and I can also state that the company in which I am interested intend to put down a well on the ground immediately adjoining the lands which you have located. The lands which I surveyed for you contain 16,400 acres."

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W. A. FOURNESS

MINING AND CONSULTING ENGINEER

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PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W. B. WINN, Editor and Publisher

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FRIDAY, JUNE 28, 1901.

THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

A Hard Test

The engines running on the local trains from the Oakland mole to Berkeley have recently been equipped with oil burners.

These engines have been put to a most severe test. The stops are not only very frequent, but the grade is very steep. From Berkeley to Berryman station the grade is steeper than that in any other portion of the state, and the engines are required to exert their utmost power to drag the heavy trains of ten cars up the hill.

The engines equipped with oil burners have been found to be perfectly satisfactory, and are much better than coal burners for the reason they do not rain down upon the streets and houses torrents of cinders which the wind scatters over sidewalks and porches, and which have proved a veritable nuisance to those living near the track.

Oil burning engines do the work of the coal burners, save fuel expenses to the company, relieve firemen and bunker men of arduous labor, and are looked upon with the greatest favor by the patrons of the road, especially by those living near the track. It also puts the danger of grass fires at a minimum, and saves the railroad company many thousands of dollars each year which it formerly paid ranchers for the loss of their wheat fields.

Prospects Growing Brighter.

There is no room for alarm at the oil situation. The inevitable has happened as it always will happen. When an oil company starts in to work with $3,000 or $4,000, and succeeds in getting a producing well, its troubles are by no means over. In order to proceed it must either sell stock or oil. If it cannot do the former fast enough it endeavors to raise the wind by the latter means, and in order to sell its oil quickly offers it at a low price.

This has been done in many instances, and the result has been a general lowering in the price of oil until apparently the bottom price has now been reached.

Enough oil is now stored in the tanks to meet the demand for a month ahead, and at the end of that period it is believed by oil men generally that the price of oil will increase.

Already there are strong indications pointing to the speedy merging of a number of small companies into those which have sufficient capital behind them to enable them to carry on their operations on a business basis.

The sooner the "shoestring" concerns are swallowed up the better it will be for them and the oil industry generally.

Selling Promoters' Stock.

The real point to be carefully guarded in the formation of new companies is that part of the capi- stock of the corporation which is set aside as compensation for the leases and other holdings of the company, and which is transferred to those organizing the company under the name of "promoters' stock." It is in the handling of this stock that the possibilities of an element of unfairness may arise toward the buyers of "treasury stock," which is sold for the purpose of providing funds for development work. Stock is usually issued to the promoters of an oil company with the understanding that it is to be withheld from sale until the treasury stock is disposed of, but oil operators have been known to place their promotors' stock on the market while the office is still endeavoring to dispose of treasury stock. The inclination under such circumstances is to dispose of the stock for what can be got for it, and the natural consequence is demoralization of prices. It is this condition which the organizers of companies must carefully guard against, either by having the promoters' stock placed in escrow until the treasury stock is disposed of, or such other means as will effectually prevent its being placed on the market prematurely. This is absolutely necessary as a matter of protection to the holders of treasury stock, and this class of investors should see to it that their rights are fully secured before investing.

Oil versus Electric Transmission

It is a significant feature of the introductory period of oil burners that fuel oil should be able to hold its own against electricity generated by natural power and brought in by a transmission plant. The Haywards Electric Company, for example, have recently put in oil burners and are now practically independent of such large power companies as the Standard Electric Company, which has been proposing to furnish lighting and power from its power plant at Blue Lakes in the Sierras.

Not only the greater cheapness of oil, but the certainty of its action when compared with water power, always liable to interruptions from broken flumes, gives it a great advantage.

The Oil Market

The market for crude oil still finds producers hunting for consumers, with a slightly better demand. The Kern River field presents the largest production, about 3,500 barrels daily at the present time, and the absence of local consumption as in Los Angeles, the restriction of the product to fuel uses, and the remoteness of market and the high freight rates, present some perplexing complications. It is possible that the field could produce 10,000 barrels or more daily with the present amount of development if restrictive conditions were removed. The efforts to secure co-operative action of producers, though it has met with their approval, has not yet been brought down to a practical working basis, but the present outlook is considered favorable to further action.

The output of this field is evidently above the demand, but the increase in consumption by such great companies as the Union Iron Works and the Market Street Railway must soon make itself felt. The great storage tank of the latter company is about completed, and it will soon begin the use of oil from the Monte Cristo wells at a price in the neighborhood of thirty cents a barrel at the wells, with the freight tariff of about forty-five cents to be added. It is said that some of the Kern River companies are getting about forty cents at the wells, or eighty-five cents delivered in San Francisco.

The Standard is actively engaged as a distributing agent, and has its 175,000 barrels of storage and its main and branch pipe lines in operation, and its influence as a buyer is beginning to make itself felt, although its effect is not definitely known. The Union Oil company is the principal producing competitor of the Standard, and the Producers' Oil Storage and Transportation company and the United Oil Producers are distributing agents of several large producing companies.

The production of oil in the Kern River field is cheaper than in any other part of the state, for the reason that drilling is cheap and easy, and the wells are accessible and highly productive. It is said that twenty-five cents a barrel will pay large companies, but that it is unprofitable for small producers. In fact, several of the smaller companies have recently met with difficulty in meeting obligations through the low price of oil.

Other portions of Kern county are governed at the present time by the same conditions as affect the Kern River field. McKittrick oil is of lighter gravity than that of the East side, but up to the present time has been marketed as fuel oil chiefly, although as a gas oil and asphalt producer it may yet find other markets. It has been shipping 1000 barrels a day, and is credited with a capacity of 3000. The oil of the Sunset district has found a local market in the refinery and for drilling purposes, and operations are suspended for the present awaiting the completion of the railroad, which is expected to be in operation by the 15th of August, when the field is expected to become an active producer. Five miles of track has been laid and grading is being done fifteen miles ahead of the tracklayers. Coalinga field is also an active producer, the shipments for April being 426 carloads, the largest ever sent out from that district. This is an average of over 2000 barrels a day, and about two-thirds of the Kern River daily output.

The Los Angeles local field produces from 3,000 to 3,500 barrels a day, about the same as that of Kern River. This practically finds its own market in local consumption and does not cut any figure in the San Francisco oil market. Oil in Los Angeles brought $1.05 to $1.10 a barrel up to the beginning of the present year, through the Oil Storage & Transportation company, a local concern which had been buying all the surplus oil and storing it in its 100,000 barrels of tankage until it could be marketed. This company found the price of oil at 30 cents or so a few years ago and worked it up to what it has been bringing—a striking instance of good results from concerted action. When the Kern River oil began to come into the Los Angeles market the company declined to renew its contracts and the price of oil promptly dropped from over a dollar to 80 cents, then to 65 cents. Then the producers organized an association and the price is again becoming firmer, and quotations are now reported in the neighborhood of 80 cents again.

OFF FOR THE EAST.

Capt Frank Barrett Leaves for a Visit to His Old Home.

On Tuesday evening Capt. Frank Barrett, the veteran and successful promoter of California oil enterprises, left for Clearfield County, Pennsylvania, his old home.

Although Capt. Barrett's object in this eastern trip is mainly to resume old associations he will also combine business with pleasure. It is more than possible the Captain will allow some of his old friends to associate themselves with him in some of his enterprises which are now under way and which bid fair to soon yield handsome returns to the fortunate stockholders.

Capt. Barrett is well known among California oil men as the one who opened the Coalinga field and to whom northern California is indebted more than to anyone else for its prosperous oil industry.

While in Pennsylvania in his younger days he became familiar with the practical details of the oil industry, and a few years ago, while a resident of Fresno County, he became convinced that oil could be found in what is now known as the Coalinga field. He produced and shipped the first carload of oil that ever went from that field and became associated with Chanslor, Canfield and Dr. Hayward who formed the Coalinga Oil Company which is still operating and which has amassed a fortune for its stockholders. It was Capt. Barrett who first organized the Home Oil Company which developed the famous Blue Goose well which probably has the record of having produced more oil than any other well in the state. He afterwards was associated with the Union Oil Company under the name of the Old Keystone Oil Company, of which he was made president and general manager with the present Senator Bard as vice-president. He afterwards incorporated the Pioneer Pipe Line Company.

For over a year Capt. Barrett has been an independent operator and has organized the Cholame Valley Oil Company, Parkfield Oil Company, San Luis Oil and Development Company, Clover Leaf Oil Company, Sinnemahoning Oil Company and Cactus Oil Company, the last three companies now drilling in Kern, Contra Costa and San Diego counties. He is president and general manager of these companies, with head offices in Examiner Building, San Francisco. He is also a holder of large blocks of stock in other companies. Capt. Barrett now resides in a beautiful home at Palo Alto, still, however, retaining his property interests in Fresno. In an interview a few days ago he said:

"I would like to settle, once for all, as to who first developed the Coalinga oil fields. I hear so much as to this one and that one and that one being the pioneer, that I want it distinctly understood that I went into the Coalinga field the latter part of May, 1895, six months prior to the advent of Chanslor & Canfield, and drilled the first well that shipped oil out of the Coalinga field. A few years prior to my entry into the field, Roland & Lacey of Los Angeles drilled in a couple of small wells on section 17, and abandoned the field. From this statement any one is at perfect liberty to draw their conclusions as to who was the pioneer in the Coalinga oil fields."

California Asphalt.

While there are several of the refineries in Los Angeles and other localities which produce illuminating oil, those which handle heavy oil similar to that produced in the Kern River field have but two products, asphaltum and distillates, the former finding a market for paving material and for use in the manufacture of paints and varnishes, while the distillates produced find a market as fuel for gasoline engines, both in the cities and town of the state, and in the mines of California and adjoining states and territories.

The possibility of crowding California asphaltum into the Eastern cities where extensive paving of streets is in progress is a matter of considerable conjecture, though thus far the product seems to have found a ready market at profitable prices. The importance of asphaltum from the islands of Bermuda and Trinidad are practically by one company, and there appears to be something of the nature of a concerted movement on the part of contractors in several cities who have not been able to obtain supplies from the importers at what they consider satisfactory rates to build up a counter movement for the use of California asphaltum in the East. An exchange thinks it probable that this may create a demand for asphaltum far in excess of the past, and there is no other place in the state where it can be produced more cheaply than in the Kern River field where the supply of heavy oil is immense and the price at the lowest level.

Has Resigned.

Captain Frank Barrett wishes it distinctly understood that he is not in any way directly or indirectly connected with the affairs of the Oil Land company, of which Colonel L. P. Crane is president and W. O. Hilbish is director. He has resigned as a director.

This Is Your Last Opportunity

10 Cents Per Share—STOCK NOW—10 Cents Per Share

After July 12th, 1901, 20 Cents Per Share

In consideration of the large amount of development work already accomplished and the amount of stock sold, the Board of Directors have resolved to advance the price of stock in this company on July 13, 1901 to **20 cents per share.**

Remember We absolutely guarantee the production of oil; that we will complete six wells in the heart of the celebrated Kern River district. In view of the rapidity that our development work is progressing, large dividends will be paid in the near future. That we will fill all orders for stock at 10 cents per share up to and including the 12th day of July, 1901. After that date the price is 20 cents per share. For further information address

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Land lies one-half a mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it.

All our neighbors have large producers!

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near Home Oil Company and 160 acres joining an oil well in Napa Valley.

Large dividends certain inside of 8 months.
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OIL ON STEAMERS.

The Latest Example of Oil Burning.

The latest example of oil burning coming under the head of steamers of burning oil was the arrangement on board the Russian steamship "Mossel."

In this vessel the fuel is stored in ballast tanks, and in the cross bunkers forward of the stokehold. There is no service tank, properly speaking, the oil being drawn from the ballast tanks or cross bunker by means of a small Worthington pump, driven (in the first instance) by steam from the donkey boiler. The donkey boiler is fired with coal. After leaving the tanks the oil passes through a filter: two filters are provided, but only one is in use at a time, the other being in reserve for use in the event of the first becoming blocked. These filters are small upright cylinders about three feet six inches by six inches, and take up hardly any space.

The "Mossel" has two single ended boilers, three furnaces to each, and three burners to each furnace. The burners are arranged in a triangle in the centre of each furnace door and about six inches apart. The burners are Koerting's patent, are about six inches long, and the orifice of the nozzle is so small that the end of a good sized pin would hardly enter. The burners are all set parallel to each other and to the central line of the furnace. There is a cock on the pipes supplying the oil to the furnaces, and besides, each burner has its independent cock. Thus the burners of any furnace can be worked as a group of three, and opened or extinguished simultaneously, or they can be worked as single burners, and one, two, or three be lighted or extinguished as required.

On the "Mossel" they usually pump the oil at twenty-five to thirty pounds pressure. Each burner passes through a hole in the furnace door but very slightly larger than itself, and the burners are lighted by introducing a flame through this hole as soon as they are turned on. The spray of heated oil ignites at once.

Behind the furnace door there is a damper which opens by means of a screw handle on each side of the furnace door. The damper opens to the extent of about six inches, and is so constructed that it fits tight when closed. A slide closes the hole through which the oil spray passes, so that when the burners are put out and the boilers are allowed to cool, the admission of cold air is completely prevented, and the furnaces cool slowly, thus minimising the risk of damage by rapid contraction. By an arrangement of cylinders placed in the furnaces the air entering the furnace is heated to about the same temperature as the oil. This damper and cylinder arrangement I believe to be the patent of the superintending engineer of that steamship company. By means of the damper the amount of air entering the furnace can be regulated. Every means is taken to prevent the admission of cold air either while the burners are working or after they are extinguished. The furnace door is flanged, and fits air-tight, being further secured by means of a layer of fire-clay placed round the edge of the door space before closing to light up.

The bricking arrangement differs in this system to the arrangement of same in other systems. There are two bridges, the first is practically a wall closing the whole diameter of the furnace, with a circular hole exactly in the middle, some fifteen inches behind this hole is another bridge or pillar, the exact construction of which I am unable to give, as it could only be seen from the front of the furnace through the hole in the first bridge.

The absence of a service tank containing more or less heated oil, fitted with gauge glasses, etc., distinctly minimises the risk of fire in the stokehold.

One drawback of the system appears to be the consumption, which is decidedly high. The "Mossel" is 1,500 horse power, but is usually run at 1,200 horse power.

To develop this power she burns, according to the engineer, eighteen tons of oil per day, but this does not quite agree with his further statement that the consumption is .78 of a kilogramme per i. h. p. per day.

Four engineers, and fourteen engine room hands are employed on this steamer.

Another Man.

A. Kenny, who is the man for whom Dr. Deane and J. B. Toplitz put up $1,000 bonds on account of his arrest in Fresno, is not A. W. Kenney formerly connected with the Tidewater Oil Syndicate, and now engaged in the oil business in Sacramento, Contra Costa, Solano, Yolo and Colusa counties.

He is a director in several oil companies, and should not be confounded with the A. Kenny who was arrested.

At the meeting of the trustees of the Mechanics Institute of San Francisco the other evening the committee on the proposed oil exposition reported that the speculative interest in oil had largely abated and recommended that the exposition be abandoned and the committee discharged. The recommendation was agreed to.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

BUTTE.

While boring in the Hesperian Oil company's well on Monday evening of last week, the large rope which was used to hoist the drill parted, leaving the heavy drill at the bottom of the well. Grapling hooks have been ordered and it is not believed that any great difficulty will be experienced in recovering the drill. At the time of the accident the well had been extended into a stratum of hard sand rock.

COLUSA.

Orr & Meracle's second rig will be ready to begin operations by July 1st on W H. Williams' lease

The Minor Ranch Oil company have their derrick up and all of the machinery will soon be in place.

Fourteen-inch casing is now being placed in the hole being drilled on the T. H. Harlan place by the Colusa County Oil company.

The Chehalis Oil company has purchased a Standard rig and it will arrive at Williams at an early date. The lumber for the derrick for this company will be shipped there this week. The machinery will follow as soon as the derrick is finished.

The Grizzly Bear Oil company is making preparations to commence operations on the Epperson lands in section 16, township 15 north, range 5 west. Last week a carload of lumber arrived at Williams, and this is being hauled to the scene of operations, about twenty miles north of Williams.

The contract for hauling the timbers and lumber for a Standard rig to the Bear Valley Oil and Development company's leased land in Western Colusa has been let. Three carloads have been consigned to Williams for this company, and is being hauled to the Eakle place on Cortina. Mr. A. W. Kenny, an experienced driller, has been employed by the company.

CONTRA COSTA.

The Tidewater Oil Syndicate is still struggling with the problem of how to shut off the water from its well which is being drilled eight miles from Antioch.

The Berkeley Crude Oil company has commenced operations two miles from Lafayette. B. F. Arnold is the manager of the company, which will soon be at work drilling with a Star Portable rig.

The Grand Pacific Oil company which is also operating near Lafayette, has about concluded to continue its well which is now about 500 feet by using a hydraulic rig. The company will also commence work on its property in the McKittrick district at an early day.

FRESNO.

Santa Clara company is putting 9⅝ casing in No. 2 at Coalinga.

The Confidence company of Coalinga is pumping its No. 4 well again.

The oil storage capacity in Coalinga oil fields is 130,000 barrels.

Work on Blue Goose No. 2, near Oil City, has been deferred for a short time.

The Golden State company, in the Coalinga field, has ceased operations for a short time.

The Esperanza company expects to resume operations in about three weeks at Coalinga.

The Merced company is quite undecided whether it will continue operations or not.

The Home company of Selma has No 8 down about 800 feet. Everything is working smoothly.

The 28 company have just completed the rig on No. 5 and will commence drilling next week.

Commercial Petroleum company is down about 900 feet and is still spudding. Prospects good.

The Hanford company finished up its No. 2 well last week and it is now ready to pump.

The Maine State has a fishing job at No. 2, having lost a string of tools and joint of casing in the hole.

The California Rock is down 600 feet. The first 170 feet of hole that was crook-has-been straightened.

Rig timbers are being hauled to the property of the Mt. Hamilton Land and Oil company near Alcalde.

Coalinga Oil company is still working on their No. 10, but will close down temporarily in a few days.

Four rig builders arrived on Wednesday of last week, and are employed by California Oil Fields, Limited, on 21 and 27.

Blue Diamond Oil company's machinery will be here in a few days. This company will no doubt be very busy in a few weeks.

The Ajax people are having sand to contend with, but report progress. Just at present they are pulling casing. They are down 1250 feet.

The directors of the Producers' and Consumers' Oil company met in their office at Fresno on Tuesday of last week and declared a dividend of 10 cents per share.

Contractor Baker has made little headway on Westlake Rommel No. 2 during the last few weeks on account of lost sand pump and fishing hooks which had to be ground up.

Rig builders are busy putting up a rig on 32, 19-15, for Double Eagle Oil Mining company. Machinery and tools will arrive in a few days, and drilling will be commenced by July 10th, possibly sooner.

The Maine State Oil company has placed its order for four-inch pipe with an eastern company, for the pipe-line connecting No. 31 with the railroad at Coalinga. Work on the line will be commenced as soon as the pipe can get there.

El Capitan's No. 1 well is pumping about eighty barrels a day, with pumps working just as slowly as possible. The 2000-barrel tank on this company's property is over half full from this well. No. 2 is down about 400 feet and is now about thirty feet in oil sand. This is the first sand and is much better than the first in No. 1, being thicker and producing more oil.

The Mercantile Crude No. 1 was down in oil sand and had a large amount of oil when water came in behind the casing in such quantities as to necessitate its being stopped. Mr. Evans, superintendent, after trying everything anyone else had with no success, went to the city and conferred with government engineers regarding the use of hydraulic cement to shut off water. Deciding to use the same he returned to Coalinga, pulled casing and partially filled the hole with cement, then forced casing to the bottom. He is now boring out the cement inside casing with a bit fastened to end of two-inch tubing and operated by rotary motion. This is a new idea in the drilling of oil wells, and is being watched with interest by all who know of the experiment. This company has everything in readiness at their No. 2 to put a crew to work as soon as water in No. 1 is shut off. -Derrick.

GLENN.

The Great Northern Oil company, of which B. F. Arnold is the manager, and which is operating in 33, 20-6, is now down over 1500 feet, the bottom of the well being in blue clay. The drill has passed through a number of good oil seepages and shale is very abundant. The company expects to drill its well to a depth of 1700 or possibly 2000 feet. A Keystone No. 9 portable rig has been used.

The very hard rock encountered in the well of the Glenn County Oil and Coal company made it necessary to send two drills to San Francisco to be refilled with steel. This caused a lay-off of about one week, but the work of completing the reaming and putting in the casing to shut off the salt water was resumed on Wednesday of last week. Over twenty-four feet of conglomerate has been penetrated. This rock is as hard as flint and wears away a drill very rapidly, even with a diamond temper in it. It is thought that not more than from six to ten feet of the conglomerate rock yet remains to be drilled through, judging from the outcroppings of the conglomerate strata on Gravel Ridge It is hoped oil sands will be encountered under this hard strata.

KERN.

Nanticoke has a showing of oil at 750 feet.

New York-California has gone into the second sand on 29, 28-28.

Arizona Western No. 2 has been completed and is being perforated.

Operators in the Temblor field are talking up the organization of a mining district to include the lands in that district.

Standard's big tanks at McKittrick are nearly full of oil. Two are full to the brim and the third contains over 30,000 barrels.

Empire at McKittrick has gone down 475 feet, and is striking the same formations found in the most productive territory.

Kern River at McKittrick has another well in the oil sand and from all indications it will prove the equal of the famous No. 2.

The directors of Oil City Petroleum held a meeting last week and declared a dividend of ½ cent per share, payable on July 1st.

The 9⅝ casing is being put down as rapidly as possible in the La Mesa Chiquita well and was to have been completed last week, when drilling will be rushed.

Minnehaha is lowering a 7-inch drive pipe in its well on 19, 28-28. The 9⅝ casing was lowered 1080 feet before landing. The hole has 75 feet of oil sand.

Imperial is building two 30,000-barrel storage tanks and has a gang of men grading for two more tanks of like capacity. The company is shipping a good deal of oil.

American Girl and American Boy are making progress at Sunset, the first named having the drill down about 700 and the latter about 800 feet below the surface.

The discovery made by Stratton on 32 is encouraging to the operators in that portion of the field, and it proves that deeper drilling will be necessary to uncover the real deposits of oil sand.

Clyde, on 23, 28-27, has lowered its eight-inch drive pipe and is ready to continue with the hole. The 11¾ casing is down a little more than 1000 feet and the first stratum of oil has been penetrated.

Stockton Sunset, an enterprise backed by Stockton capital, has the drill down about 100 feet on 15, 11-24. The rig is some distance from a producing well, but in what is regarded as good ground.

Rinconada on 6, 11-23 has gone through a stratum of blue clay and is at a depth of 960 feet The drill has reached the tar sand and indications are promising for a discovery of oil sand.

The largest shipment ever made in one month from the Coalinga field was in April, when 426 carloads were shipped. During the past five months the field has produced 1436 carloads.

San Francisco and McKittrick, on 10, 30-22, has gone into a good sand, and at last accounts there was considerable oil going over the casing. In consequence of the strike work is temporarily delayed at the well.

On account of the temporary depression in the oil industry various companies working under a lease have been granted concessions allowing them to sink two or three wells, instead of six or eight, as originally provided for in the contract.

United States has entered into a contract with Charles Youle for the drilling of a well on 26, 12-24. This company has been an operator in the field for several months, but owing to its machinery being very light it has thus far made little progress.

The Eastern Consolidated Oil company, it is reported, has the option on several pieces of valuable property in the local field and the representatives have come with the object of purchasing. The company holds ten acres in the Kern field.

Two weeks ago last Sunday San Joaquin No. 16 observed the day by suspending operations for twelve hours, when it turned loose again and since then has been flowing stronger than ever. The stream pouring from the well is said to be at least 1000 barrels a day.

Another sale of Kern oil land has been closed. It is announced that the Kern River Oil has decided to purchase 160 acres in 4, 29-28. The property has been held by the company under a lease for some time. The price given is $500 an acre. The money will be raised by an assessment of 50 cents a share.

Stockton-Midway struck oil last Friday on 23, 32-23. The oil sand was encountered at 672 feet and the drill has already gone through fifty feet of this sand. At present there are one hundred feet of oil in the well. The company intends to sink deeper.

Kern oil will find a market in Honolulu, according to a Los Angeles dealer, who reports that a large contract has been closed. Seven Kern river producers are represented in the deal, which requires the delivery of 3,000,000 barrels of oil. The oil, it is said, will be shipped to Honolulu as soon as it can be delivered.

Brea Canon-Santa Ana Canon-Kern River Oil company has cut off a portion of its name and will hereafter be known as the London Crude. In the reorganization the capital stock has been increased. The company is operating on 8, 29-28, and will continue development work.

M. L. Thorn, the new superintendent of Peerless, has arrived from the East and is in charge of the company's affairs in Kern River. He was for twenty-five years superintendent of the Fisher Oil company, West Virginia, and for a time prior to his engagement here superintendent for Guffey & Galey, owners of a Beaumont gusher.

The Gould well is down 363 feet at Mc-

Kittrick and indications thus far are more favorable than in the well drilled to a depth of 1020 feet. In the latter well asphaltum and similar substances were found pretty much all the way down, but not uncovering any real deposit of sand the rig was moved a short distance to the s de.

Gray Gander on 7, 28-28 is making progress on its second well at the rate of thirty-five feet per day. The monthly income for water well No. 1 will furnish means, with the help of well No. 2, when completed, to keep the company boring for a cluster of wells on the property. The revenue derived from the sale of water amounts to nearly $500 a month.

Word came last week that on Monday La Mesa Chiquita encountered a small stratum of oil at a depth of 550 feet, also a slight quantity of gas. Every indication is encouraging, and when the oil sand was encountered those on the spot felt much elated, as according to the opinion of those who have had experience elsewhere, a good flow of oil can be looked forward to further down.

Superior Extension water well on 28, 32-24 is supplying sixteen camps with water and could easily accommodate a greater number if necessary. The second well is down about 2000 feet and temporarily tied up for casing. As soon as that arrives drilling will be resumed and work pushed to completion. It will be sent down through the deep water sand and into the oil sand, it is hoped.

Frank H. Laning of the Jupiter Crude and Fresno Midway and one or two other companies in the Sunset field, is at Bakersfield. Jupiter Crude has temporarily suspended operations on 32, 32-24, and no further development work will be performed on the Raisin City on 31 for the present. Under its lease the company may suspend operations until the market value of oil is considerably in advance of the figure now quoted.

There is more confusion in Midway. An injunction was issued restraining Occidental from operating on 27, 32-23 and now comes another against Chanslor and Canfield and others restraining them from operating on the section. The latter claim the ground by virtue of a prior location and a compliance with the law as regard assessment work, while the representatives of Occidental maintain that the law was not strictly complied with, and that the land was subject to re-location on January 1st. The litigation will delay development work temporarily.

Operators in the Midway field are evidently not much interested in the formation of a mining district. A meeting was first called for June 3d, but as only a small number appeared at the place named on the date fixed, it was decided to postpone action until June 15th, when a much larger attendance was expected. But the crowd failed to materialize at the Bay City camp on the latter date and now no further action will be taken until there is more of an interest taken in the movement.

LOS ANGELES.

The Turner company is putting in a pumping-jack this week.

The Raymond Oil company has encountered a stratum of oil sand at 1900 feet in its hole on section 25.

C. O. Kiser has taken the contract for No. 2 for the El Moro, and is drilling south of the abandoned No. 1.

The East Whittier company has its second hole down nearly 1100 feet, and has good indications.

North Whittier is making good progress with No. 2, being down over 300 feet.

President Charles G. Warner and Manager Isaac Collins of the Warner Oil company will develop the land recently purchased by them in La Habra as soon as Warner No. 5 is finished.

The Home Oil company has deepened No. 6 over 3 0 feet, the hole now measuring over 1500 feet. The drillers recently encountered a fine sand and this will no doubt increase the production. The company is holding its annual meeting today.

The Murphy company has just completed a 200-barrel tank, and is putting in a pipe line to the Southern Pacific track. The recent trial of the oil of this company in the engines at the Whittier pumping station was eminently satisfactory. This company is using the first wire cable to be brought to this field, using it in deepening No. 1, and it is much pleased at the way it is working.

NAPA.

The Napa papers state that the Berryessa district is at present the scene of considerable excitement over the oil prospects recently struck at Zem Zem. Oil sand was encountered last week and the company is elated over the prospects.

SAN MATEO.

The Bella Vista, operating near San Gregario, is down 650 feet. The drill is now in white shale. There is plenty of gas in the well. The drill went through fifty feet of shale saturated with oil, which ran down the creek for a half mile. The formation is similar to that at Beaumont. A sub-company will soon be organized.

SAN BERNARDINO.

News from Kramer is to the effect that the drill in the Kramer Consolidated well is now down about three hundred and fifty feet, having been going through alternate strata of clay and gravel. Two crews of men are now at work, keeping the drill continually at work, and it is hoped to have it in oil sand before the end of the month. Water is hauled to the field by the Santa Fe railroad, which has two tank cars in the service.

SANTA BARBARA.

On the Laurence Harris ranch, one and one-half miles southeast of Careaga, the Graciosa Oil company will drill well No. 2 with an improved and up-to-date drill.

In the Careago oil field the Western Union drillers have tapped at 904 feet, with three casings down an oil stratum. Much gas is found in the well. No. 3 well is down 610 feet.

At present a large force of men is engaged at Carpenteria revamping the asphalt refinery that has been idle for nearly a year. The owners intend to operate the works on a large scale.

Commercial Union Oil company, operating on the Muscio ranch, has at last got casing down far enough to shut off the water and is making good progress.

SHASTA.

The Mount Shasta Oil & Development company had the misfortune to lose their bit, jars and stem in their well Saturday evening by the parting of the cable. Work had just been resumed that day after an enforced idleness of two weeks, occasioned by the breaking of the drilling tools and necessitating that length of time for repairing the damage. The work of fishing for the lost tools was begun Monday morning. The fishing tools of the Shasta Consolidated Oil company were borrowed to facilitate the work.

Harry Maynard was down from his ranch in the northwesterly part of the county, and said that he firmly believes that oil will be found on his place. He has the land bonded to a Redding company, which includes an Eastern capitalist, and the company is to commence boring for oil in August. Harry says the water in his well, which is forty feet deep, is so impregnated with oil that his horses will not drink it, and a number of plants that were irrigated with the water from this well gradually withered and finally died.—Red Bluff News.

SANTA CRUZ.

On the Sargent tract the Watsonville Oil company will soon resume operations, which have been temporarily suspended, in a few days and will sink another well.

Mr. Young, local manager for John A. Bunting, is putting up a derrick in the Gaffey district on land leased from the Watsonville Coast Oil company and expects to begin drilling in the course of a week or two.

A crew of men from the McKittrick district have begun work on the first oil well of the Watsonville Coast Oil company in the Gaffey district. The derrick has been erected, the machinery has been placed in position, and the drilling tools have been thoroughly tested. The company drilled several prospect wells before locating their first well and the managers are well pleased with the prospects.

SOLANO.

The Armijo Oil company are down over 500 feet on their well two miles from Suisun. They have struck two good oil seepages at 350 and 400 feet, and now have a strong flow of gas. The eleven and five-eighths casing is down 530 feet.

In the Vacaville Oil company's well a good landing with a string of 7⅝ casing has been made at 1155 feet, shutting off the water and permitting good drilling to continue. The company is confident it will reach oil before going much deeper. Contractor Ferguson says the prospects for oil are excellent.

Work on the Vacaville Oil well, which has been progressing constantly until the drill is down 1150 feet, has been somewhat slow by reason of the salt water which has flowed into the well. Within the last fifty feet it has been found in considerable quantities, and has risen to a distance of several hundred feet. Friday it was shut off.

On Friday morning, the 7th, gas began to flow in considerable quantities It was petroleum gas, sure enough, and burned readily. About 11 o'clock Friday, however, still better conditions were struck. That was an unmistakable oil deposit. Not a large amount to be sure, but indicating as the drill goes lower, larger quantities may be expected.

TEHAMA.

W. B. Miller of Stony Creek was an arrival on Friday afternoon's express, says the Red Bluff News. He said that the Corning Oil & Gas company had struck another and larger oil seepage about fourteen miles southwest of Corning. The depth at which the seepage was struck is about 600 feet The stockholders are greatly pleased at finding this encouraging indication of oil.

There is little to report this week in regard to the well of the Corning Oil and Gas company, except that good progress is being made and that the formation encountered is satisfactory and the indications continue to be all that could be desired. The drill, now down 800 feet, is in shale and proceeding rapidly. The gas pressure is strong and the presence of oil is apparent in many ways The well of this company near Orland is now down in the neighborhood of 800 feet. The last 180 feet has been drilled through a formation of shale, which is saturated with oil. When pieces of this shale are first brought to the surface, if immediately placed in water, the minute particles of oil will rise to the top. Every time the sand pump is used it brings up considerable oil which floats off on the water. So far, however, the oil encountered is only a small seepage, but it shows what may be expected to be found at a greater depth. There is now 100 feet of water in the hole, which makes the work progress somewhat slower than if it was shut out. Seven hundred feet of eleven and five-eighths inch pipe is daily expected, and when it arrives the work will advance more rapidly. The heavy pressure of gas bubbling up through the water creates quite a disturbance in the bottom of the well. If the drill keeps going down an average of twenty-five feet a day, as it has for the last week or two, we will soon see how far it is to the oil bearing sands.

VENTURA.

The Eureka field is producing a large quantity of oil.

The Whittier Oil company are soon to begin operations.

The Whittier Oil company is about ready to begin on well No. 1.

There has been two different parties in Piru looking after new oil territory this last week.

The Tapo Oil company has abandoned their well at Tapo with a heavy underflow of quick sand.

The Berkeley oil company is pulling the casing preparing to ship all their plant to Los Angeles.

The Piru Oil and Land Company are getting along slowly with their drilling, meeting with lots of difficulty.

There is another oil company which expects to start to drilling in the Piru canyon within the next month.

The Eureka Oil company filled two cars on Tuesday morning. This is the first oil through the new pipe line.

The Berkeley Oil company are again at work on their wells near the Leckler place.

The Eureka Oil company filled the first cars on the new pipe line Tuesday morning.

A company has been organized to commence drilling on the Balcom place at once.

Two new oil companies will start to drill in the Piru canyon within the next sixty days.

At a depth of about 1000 feet work on the San a Paula Home Oil company's well south of Santa Paula is suspended.

The Sulphur Mountain Oil company is hauling oil from the Union's Ventura storage tanks for drilling purposes.

The Ramona Oil company has a good showing for oil and intend to put down another well at once.

The Southern Pacific Oil company is laying a two-inch pipe line to Piru. This company intends to ship its oil from there in the future.

The Berkeley Oil company is pulling casing and getting ready to ship its plant to a new field in Los Angeles county.

The rig and drilling equipments were brought down from Devil's canyon on the Taylor ranch last Tuesday and shipped.

The Frank Good well in Tapo canyon is still running their six-horse tank wagon hauling oil to Camulos for shipment.

An Eastern Oil company headed by Mrs. Potts of Chicago has been on the

ground again this week and mean to begin active operations at once.

On the Lemmon place they have rig No. 1 completed. Machinery is on the ground spudding in. Will begin Wednesday

The Eureka Oil company is laying a two-inch pipe line to Piru to run their oil into tanks there for shipment. Their new wells are making a good showing.

Bardsdale Canyon Oil company is going on with their works, having completed their grade. Lumber is on the ground for rig No. 1.

The Oil company headed by Mr. Potts of Chicago, have been on the ground again this week, with Hotel Piru as headquarters. They mean to get right after the fluid as soon as possible.

The Piru Oil & Land company is busy drilling on its wells, and as the drillers are having a great deal of difficulties with water and quicksand they are not making much headway at present.

The Modello Oil company has added some new producing wells to its list. They are good ones and the company intends to double their production. The company now has three strings of tools at work.

The Bardsdale Crude Oil company are drilling on No. 6. Their pumping plant was started Saturday. The wells are proving much better than expected, No. 5 being the best, pumping eighty barrels per day.

The Northern Oil company north of Sisar canyon has transferred a majority of its stock to a new company which is under contract to begin work soon on the very promising field adjoining the Capital Crude, old Astarte, and other producing companies.

SAN BENITO.

The Grant Oil company has shipped in larger and stronger cables.

The Rio Bravo, in which several San Benito citizens are interested, has struck a good wel

The Nonpariel Oil company is making preparation to drill well No. 3 on the Alvarez ranch.

As soon as the Vallecitos Water company has finished stringing the water pipe the Vallecitos district will have several rigs at work.

The Hollister Petroleum Development company has graded a site for a derrick on the Cowden place. All operations are being rushed.

R. B. Todd, manager of the Calistoga Oil company, passed through town Monday for the Vallecitos, where he expects to commence drilling the latter part of this week. This company has some very choice oil land in the district.

ORANGE.

Progress is the word along the line in this field. The Santa Fe company now has seven wells drilling, and will, within a fortnight, put drilling crews into two, if not more, new rigs.

Carbon Canyon company's well No. 1 still continues to flow hot water and has been abandoned. Chino oil company, farther up the canyon, is still pounding away on its second hole.

Columbia company's well No. 12 has been flowing during the past week, throwing out mud and oil to a height of more than a hundred feet upon several occasions. Mud to a depth of three or four inches covers the ground for a distance of twenty-five feet on all sides of the derrick.

Santa Fe well No. 23 was put on the pump a day or two ago and is now making between one hundred and and one hundred and fifty barrels per day. This is considered a step toward the proving of the western extension of the field, where heretofore the companies have been a little careful about sinking holes

The Olinda company has two wells, Nos. 4 and 5, in the sand with every prospect of good final results. This company has recently added a machine shop with a full and up-to-date equipment for doing its own iron work, and has set up a perforator for its casing as well as a gas engine of late pattern.

Santa Fe well No. 24 is now running 7 5-8 inch drive pipe in the sand, as are also wells 25 and 26 of the same company. A new perforator and bits for several more strings of tools have recently arrived for this company. The old boiler house (used before the adoption of the new gas engines) is being remodeled and thoroughly fitted up as an office for the use of Superintendent Potter and his assistants. The rear part of the building will be used as storeroom and general warehouse.

KERN.

Val Verde Oil company is negotiating for the sale of a portion of its land.

M. L. Thorn of Sisterville, W. Va., has taken charge of Peerless and will hereafter act as field manager.

Barrett on 2, 11-24 has encountered oil sand in large quantities in both of its wells in the process of drilling.

The Royal Sunset company is pumping its well No. 1 and delivering about 2000 barrels per month to the refinery.

The Blue Chief Oil company is interesting Eastern capital in its property, and expects to begin drilling within a few weeks.

The Vanderlip company on section 25, Kern River, has closed down for the time being at a depth of 780 feet. It has a crooked hole.

The Peoples Oil company is preparing to begin development work on its property near the Kramer Consolidated plant in the Kramer district.

The New York-California well on 29, 28-28, is rapidly being forced down and is now at a depth of 750 feet. The third string of casing has been lowered.

The Perseus company is preparing to begin development work on its ten acres of land just west of the New York-California property on section 29, 28-28.

Paraffine will begin drilling on its holdings in Sunset soon. The contract has been let and the material will be placed on the ground this week.

The Monarch wells, Nos. 1 and 2, are keeping up a regular and steady production of oil and have fully proved that their 160 acres of section 2 of the Sunset field are oil bearing territory.

The Wichita company has finished its well No. 1 on section 2, Sunset, and is laying its plans for the commencement of the drilling of well No. 2, which will probably be located on section 12, immediately adjoining their present well.

The Gold Dollar Oil company, immediately to the north of the Wichita, Sunset field, has become one of the regular producers of the field and a very handsome offer is now pending for the purchase of its territory, comprising about 200 acres.

Golden Gate on 34, 12-24 resumed eighths casing down 945 feet in blue clay. The third string will be lowered this week.

GAINING GROUND.

Encouraging Outlook For the California Petroleum Miners' Association.

The California Petroleum Miners' Association is gaining ground under its new management. The new board of directors have taken hold of the association work with a vim, and as a result a number of oil companies have made application for membership. A new constitution and by-laws has been prepared and will probably be adopted in full next week. Doctor Deane, the new secretary of the association, reports the outlook exceedingly bright, and expects the association to accomplish much good for the oil industry within the next few months.

Personals.

C. A. Canfield of Bakersfield has been in the city this week.

T. Spellacy, the Kern county oil magnate, is in the city.

Moore & Baldwin is the name of a new firm that will deal in oil well supplies next month.

Hon. W. H. H. Hart, who is interested in the new Stockton refinery, and the San Joaquin pipe line, is in the Yosemite.

R. H. Herron has been spending two weeks at the Del Monte with his wife.

G. W. Terrill, who was threatened with pneumonia last week, will soon be out again.

F. J Brugiere is now connected with the California Hydraulic & Engineering Supply company, which has moved into its new and spacious quarters on Fremont street.

W. W. Nellis is again in charge of the San Francisco branch of the R. H. Herron company, at 411 Market street.

OIL AT BOLINAS.

A Forty-Barrel Well Expected In Marin County.

The strike at Bolinas, Marin County, is showing up more favorably than ever and experts state that a forty-barrel well may confidently be looked for. The well is now 1360 feet deep, and from 150 to 200 feet of oil accumulate in the hole every night. The abundance of gas made it necessary to discontinue the night shift some weeks ago, on account of danger from fire. Bailing has showed the output to be from fifteen to twenty barrels daily. On the 30th of May the showing was only three barrels. The five and five-eighths casing was pulled and about 100 feet of perforated casing lowered into the hole. The engine has been fitted with oil-burners and oil from the well has been employed as fuel. The formation has been shale all the way down, and no oil-sand, as known in California, has yet been found, but the well can be put down another hundred feet at least and it is expected that the sand will be struck inside that depth. A location has been chosen for another well on the Genazzi property, and the work of drilling will soon be under way, three-quarters of a mile distant.

Since the strike there has been a lively demand for sub-leases, and small tracts and property at some distance from the well has been eagerly taken up. As the freight to San Francisco is only 5 cents a barrel by water it is evident that there is plenty of margin of profit. The oil is of good quality, of 29 degrees gravity and light enough for refining purposes.

The Sherman well a few miles to the north is down 800 feet with good indications.

Gen. Hart's Refinery.

Ex-Attorney-General W. H. H. Hart was in consultation with the Stockton Chamber of Commerce recently, in reference to an oil refinery to be established in that city. Hart denied that he had any connection with Frick, or that he ever said he had. On the other hand, he stated that he represented a large number of oil producers who had lots of oil, but not much ready cash. They have enough, however, to establish an oil refinery at Stockton if the Tesla Coal company will take from fifty to one hundred tons a day, or from 750 to 1500 barrels of the crude oil for the making of briquets. The distillates would be gasoline and coal oil.

General Hart said that he considered a pipe-line from Kern to Stockton not feasible unless pumping stations were placed every twenty-four miles, because Kern oil is so heavy.

The members of the syndicate he represents had stated that a pipe-line to Antioch would be better, but General Hart favors Stockton, if any is to be laid, because it is twenty-three miles nearer, and there is a local market for the oil. He estimated that a fully equipped pipe-line to Stockton from Kern county would cost $2,000,000.

The superintendent of the Royal reports that he has instructions to locate a second well in Sunset and anticipates that he will obtain as good a well, if not better than is shown in No. 1.

South Dakota Charters

Send your Incorporation Papers to me. I will see that your Charter is all right.

I have handled all the applications for Charters for several years in the Secretary of State's Office, and know what is wanted.

PHILIP LAWRENCE,

Late Assistant Secretary of State, Pierre, Hughes Co., S. Dakota

FREMONT OIL COMPANY

Incorporated in South Dakota. Capitalized for $300,000 Owns 80 acres and owns 30-year lease on 320 acres at Ono in Shasta County. Stock non-assessable; 50c per share; par value $1 00.

President, Aaron Bell, Redding, Cal; Secretary, Geo. B. Millar, Evanston Ill.

Information furnished in detail on application. Office, 1212 Fisher Building, Chicago, Ill.

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Kern County Oil Notes.

(Bakersfield Californian)

STOCKTON-SUNSET STRIKE

The Stockton-Sunset, operating on section 15, 11-24, has dropped into the first sand at a depth of 750 feet. It proves up a large stretch of territory that up to this time has been considered of no great value.

PROGRESS OF RED BANK.

The Red Bank has just completed laying its pipe line to the railroad from its tank and now has a gang of men erecting loading racks at the railroad for the accommodation of fifteen cars. The company's well No. 8 was completed today at a depth of 750 feet and it is said will be equal to the best well on the section.

NEW LOADING RACKS.

The San Joaquin is building 22 new loading racks near the railroad in Kern river, making a total of 30 belonging to the company. A new 12-inch pipe line is now being laid from the tanks to the railroad, the 10-inch pipe being found inadequate to carry the required amount of oil. The two lines will be used jointly and by their usage the company will be able to load 50 cars a day.

SUNSET RAILROAD.

The report that work on the Sunset railway has been stopped is not true, but on the contrary it is being rushed with vigor. The company has already laid five miles and the graders are working nearly fifteen miles ahead of the track layers. President C. N. Beal states that the road will be completed by August 15th. The difficulty which arose a few days ago over the course to be taken with the grading has been settled and the work is progressing favorably.

DEL REY NO 1.

Del Rey No. 1 has been put on the beam. This well has been a source of considerable annoyance to the company as the drill was dropped below the water and a good deal of trouble was had with heaving sand. The trouble has, however, been overcome and the casing has been plugged, and the well has every indication of being a good producer.

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A good second-hand Standard Rig. Address:

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23 Columbian Bldg., S. F.

WELL-BORING OUTFIT

FOR SALE CHEAP.

SUITABLE FOR WATER OR OIL.
Apply 308 Sacramento street.
San Francisco.

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending June 26:

CALIFORNIA STANDARD.		
1200 at	27	324 00
200 at	26	52 00
500 at	25	125 00
FOUR OIL.		
100 at	35	35 00
900 at	37	333 00
1000 at	36	360 00
HOME OIL.		
100 at	2 55	255 00
400 at	2 42½	970 00
100 at	2 25	225 00
100 at	2 20	220 00
HANFORD.		
2 at	82 00	164 00
5 at	84 00	420 00
4 at	83 00	332 00
5 at	88 00	440 00
5 at	89 00	445 00
INDEPENDENCE.		
2035 at	12	244 20
JUNCTION.		
1000 at	16	160 00
200 at	19	38 00
KERN.		
100 at	4 85	485 00
100 at	4 90	490 00
LION.		
2100 at	13	273 00
2000 at	12	240 00
4000(B 60) at	13	520 00
MONARCH OF ARIZONA.		
300(B60) at	31	93 00
200(B60) at	30	60 00
500 at	30	150 00
800 at	21	168 00
1000 at	33	330 00
1600(B30)at	30	480 00
1500(S60) at	30	450 00
1000 at	35	350 00
1000(S60) at	31	310 00
MONTE CRISTO.		
300 at	2 00	600 00
McKITTRICK.		
100 at	25	25 00
100 at	26	26 00
OCCIDENTAL OF W. VA.		
100 at	51	51 00
200 at	50	100 00
PEERLESS.		
50 (B60)at	5 00	250 00
180 at	5 12½	922 50
70 at	5 00	350 00
PETROLEUM CENTER.		
3000(S90) at	05	150 00
3000 at	06	180 00
STERLING.		
100 at	1 25	125 00
TWENTY-EIGHT		
100 at	1 12½	112 50

Shares 31,316 Amount $11,633.20

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, June 26:

BEAR FLAG.		
200 at	11	22 00
BLUE GOOSE.		
5 at	20	1 00
600 at	25	150 00
CALIFORNIA STANDARD.		
100 at	25	25 00
500 at	27	125 00
200 at	28	56 00
700 at	26	182 00
CARIBOU.		
305 at	70	213 50
DOMINION.		
500 at	10	50 00
FOUR OIL CO		
400 at	37	148 00
HANFORD.		
5 at	80 00	400 00
3 at	81 00	243 00
1 at	83 00	83 00
3 at	85 00	255 00
6 at	90 00	540 00
5 at	95 00	475 00
HOME OIL.		
100 at	2 55	255 00
100 at	2 50	250 00
60 at	2 30	138 00
200 at	2 20	440 00
300 at	2 60	780 00
600 at	2 20	1320 00
1050 at	2 25	2362 50
JUNCTION.		
100 at	19	19 00
200 at	16	32 00
100(S90) at	14	14 00
KERN.		
50 at	4 90	245 00
75 at	5 00	375 00
LION.		
3000 at	12	360 00
MONARCH OF ARIZONA.		
100 at	29	29 00
100 at	30	30 00
300 at	31	93 00
500 at	38	190 00
800 at	34	272 00
MONTE CRISTO.		
520 at	2 00	1040 00
500 at	2 05	1025 00
McKITTRICK.		
100 at	24	24 00
OCCIDENTAL OF W. VA.		
400 at	51	204 00
2100 at	52	1092 00
100 (Cash)at	52	52 00
400 at	50	200 00
OIL CITY PETROLEUM.		
650 at	26	169 00
PETROLEUM CENTER.		
270 at	05	13 50
PEERLESS.		
25 (B10)at	5 00	125 00
50 at	4 90	245 00
215 at	5 00	1065 00
STERLING.		
100 at	1 25	125 00
200(B30)at	1 30	260 00
200(B30) at	1 35	270 00
100 at	1 30	130 00
SOVEREIGN.		
100 at	26	26 00
706 at	25	176 50
SAN JOAQUIN.		
75 at	7 62½	571 87½
50 at	8 25	412 50
160 at	7 87½	1254 00
175 at	7 75	1366 25
25 at	8 00	200 00

Shares 18,489 Amount $20,219.62½

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Ventura Consolidated Crude Oil Company

Owns 2720 acres Oil Land and Valuable Leases with Producing Wells. Also fine Gold Mine. Limited amount of Treasury Stock at 10 cents per share. Best Stock Investment in the Market.

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A limited amount of Treasury Stock for sale for a few days at 25c. per share.

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GRAHAM, HAILSTONE & CO.

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Offices, 470-471-472 Parrott Building, San Francisco. Telephone, Mint 716.
All stocks are non-assessable. Oil is guaranteed.

An Oil Woman.

In this progressive age woman has entered all sorts of occupations formerly considered out of her sphere, but few cities can boast of a female oil driller. For the last three years or more Mrs. Hattie Cook, of 113 Jeffries avenue, Findlay, Ohio, has successfully managed a string of drilling tools, an accomplishment of which she may well be proud. Oil contracting is indeed a very uncertain occupation and to be successful one must possess the greatest business ability as a slight miscalculation will cost the profits of a well. Samuel Cook, the husband of Mrs. Cook, who died some years ago, was one of the best drillers in the field. Before his death Mr. Cook was weakened by illness to such an extent that for some time previous to his demise he was unable to attend to his oil contracting interests. It was this time Mrs. Cook conceived the idea of managing a drilling outfit herself. From her husband she received much information concerning the duties of a driller, but the greater portion of the knowledge of the work was gained by actual experience in the field. At all hours of the day, or if necessary, in the night, Mrs. Cook has always made visits to that part of the field where her tools are at work.

An English Expert on Oil Fuel.

Arthur Brabazon, who has for many years been connected with a large oil concern which owns extensive fields in Roumania, has visited the oil fields of the Danube Baku and the Caspian sea, and has now come to this country to examine the oil regions of Texas and West Virginia and possibly California. Mr. Brabazon is the second son of the Earl of Meath, who has attained a considerable name in Great Britain for philanthropic work, such as instituting workshops for paupers and gymnasiums for physical training. Mr. Brabazon believes that the time is not far distant when petroleum will supersede coal almost entirely for fuel purposes. Speaking of his American trip, he said: "The chief reason I have come to inspect your fields is because your means of obtaining oil are entirely different from the method in operation in Russia and other parts of the old country. There oil is bailed out, so to speak—drawn up by buckets. Here, I understand, it is forced out by means of compressed air. I have heard that the American method is superior, but I have come to find out for myself. The supply of petroleum is practically inexhaustible. At Baku, Russia, on the Caspian sea, there are strata of enormous length filled with petroleum which will of themselves furnish a supply for several centuries to come."

Pipe-Lines in Texas.

The National Oil and Pipe-Line company, through their president, R. L. Henry, have let the contract for a pipe-line from their well at Gladys City to the wharves at Port Arthur.

The contract was let to Sturm & Elliott and construction will begin at once. They have nine miles of six-inch pipe in sight, which will keep them going until what other material is necessary arrives. The main pipe will be six inches in diameter with ten-inch ends. One of their large tanks has arrived and six more are en route of 37,500 barrels each. One of the tanks will be erected at the well and the others at Port Arthur.

President Henry was asked if they intended becoming common carriers and replied that they would not in that sense of the term. "We will transport oil," said Mr. Henry, "at ten cents per barrel, but our contracts will be more more of a private nature than would be implied by the term of common carrier." This charge will be for transporting the oil to Port Arthur and shoving it into the ship's hull.

The National Oil and Pipe-Line company is capitalized for $5,000,000, and will be an important factor in developing and marketing oil when they get their contracted facilities in working order.

The Higgins Oil and Fuel company has connected up their pipe-line from Gladys City to Beaumont and will be pumping oil into the city about Saturday. Some delay has been caused by people not knowing exactly where they wanted their oil and not having adequate receptacle storage tanks erected. That is fast being put in shape, however, and oil will be drawn through a six-inch pipe into the city in less than ten days. The Higgins Oil company shipped twenty carloads of oil yesterday and seventeen today.

The pipe-line will also supply shipping racks on the Kansas City Southern and Santa Fe railroads, thus dispensing with the necessity of transferring cars from Gladys City to these lines.

The Higgins Oil and Fuel company has made a contract with the J. M. Guffey Petroleum company for the latter to pipe their oil to Port Arthur, where it can be loaded for export trade.

There has been considerable speculation whether or not the Guffey company would become common carriers, but by the contract with the Higgins company they have settled the question and their services will be of great value to companies who do not care to go to the expense of building an extensive and costly pipe-line for the present.—Beaumont Enterprise.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

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STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
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California Oil Syndicate
INCORPORATED UNDER THE LAWS OF ARIZONA THEREFORE THE STOCK IS ABSOLUTELY NON-ASSESSABLE
Capitalization, $500,000. Par Value of Shares, $1
520 acres of land in three best oil districts in California
Coalinga
McKittrick
Sunset
The company is selling a limited number of shares for development purposes at
25c Per Share
Rooms 486-487 Parrott Bldg.
San Francisco, Cal.

We Have Producing Wells on All Sides
Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.
WE ARE DRILLING
On May 27 our stock will advance to 25c.
First well completed about June 1st.
We will complete twelve wells.
Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed.
Full information at company's office, room 16, eighth floor, Mills Building.
California Crude Oil Co.
LED F. WINCHELL, President.
T. A. KIRKPATRICK, Secretary.
HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.
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Booklets, Stock Certificates, Letterheads, Envelopes, Dodgers, Letter Circulars, etc.,
Printed at short notice and at reasonable prices.
Pacific Oil Reporter Job Office
Rooms 31, 32 and 33
318 Pine Street, San Francisco

Calistoga Oil and Development Company

Owns by Purchase

and holds by long-term leases, in all

2120 Acres of Oil Land

Situated in **NINE DISTRICTS** in six counties of California. This is a sweeping statement, but our prospectus explains in detail. Write for a copy and carefully analyze our plan. We are the pioneer drillers in Napa County where **LUBRICATING OIL** is found in numerous springs. Our first well, commenced May 15, 1901, when completed, will put on stock above par. You can buy for a short time a limited amount of stock at **50c.**

Procrastination may deny you an income.

Better write to-day.

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Buy Pacific Petroleum

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PAYMENT OF DIVIDENDS.

The lands of this company are located in the Devil's Den Oil District of Kern County, where a much higher grade of Petroleum has been developed than is found in the famous Kern River fields, and is pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, we are actually at work. We have no promoter's stock and are selling only treasury stock, every dollar of which goes into the development fund, which is held intact to pay for drilling operations only.

25,000 more shares at 5c per share. Stock may be withdrawn from public sale on July 1st. This is an opportunity for you to share in the profits of a well-located and entirely legitimate business enterprise. Buy now. This is a sure, safe investment. Send all applications to

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The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

FLOWING WELL.

More Oil and Better Quality at Over Two Thousand Feet.

No. 2 well of the Murphy Oil company at Whittier has been flowing for two weeks. Not only is the oil flowing from the well, but it is being carried by natural pressure through 700 feet of three-inch pipe into a tank 200 feet higher than the top of the casing. The well started its flow at the rate of 400 barrels a day. The pipe was carried in at the bottom of the receiving tank. This method confines the gas to a certain extent and the roaring can be heard for nearly a quarter of a mile. The oil has been tested several times, and registers between 23 and 25 gravity.

This is the first flowing well drilled in the Whittier field. The company has thoroughly believed that there was a better grade of oil underlying the strata from which the other companies have been receiving their supply. The well was put down with two strings of casing, nine and five-eighths and seven and five-eighths, to a depth of over 1800 feet. Here a stratum of light oil was discovered, but the pressure was too great for the light casing and operations were suspended while a carload of extra heavy five and five-eighths was ordered from the East. With the arrival of the stronger casing, drilling was resumed and the hole was carried down to a depth of 2030 feet. It was the intention to go still deeper, but the great quantity of fluid prevented further drilling.

It is About Time.

Get in now before your chance is gone. This advice will apply more particularly to the person of moderate affairs, the man who is struggling to attain financial independence. Remember while "thrift is a virtue" small economies is not the factor that brings success in its train. The diversity of California's mineral wealth has astonished the world and now a new industry "the mining for oil" is taking front rank among the great wealth producing elements of the Golden State, and presenting an opportunity to the poor man to better his condition. The oil industry stands today upon the threshold of immense possibilities; it will enable the people of the Pacific Coast to become producers instead of purchasers, and by the fostering of manufacturing enterprises afford employment for millions of her citizens; and it enables persons of moderate means to place their savings in the stock of a legitimate oil company and derive an income from the same, when their property is developed, that will make them independent.

Among the many enterprises of merit is the Standard Consolidated Oil & Land company, who are showing exceptional ability and dispatch in their development work and are using every effort possible to enable them to join the list of large oil producers at an early date. Stock can still be purchased at 10 cents per share and investors of good judgment are availing themselves of this offer.

There is but one straight road to success and that is "Enterprise and Merit." Is there any wonder then that success follows this company's endeavors? Will there be any wonder when the stockholders of this company change their dimes into dollars. "Successful is he who sees his opportunities." Don't you think it's about time you endeavored to see yours?

Patents Relating to Oil and Gas.

The following patents granted during the past month relating to oil and gas are reported especially for the Petroleum Gazette by J. M. Nesbit, patent attorney, Park building, Pittsburg, Pa., from whom printed copies may be procured for 15 cents each:

Oil can—E. P. Datow, New Orleans, La.; 575,055.

Oil filter—P. M. Knopp, Kansas City, Mo.; 574,065.

Drive-well device—C. F. Allen and W. B. Grow, Hueneme, Cal.; 674,191.

Grip—H. L. Montgomery, Metz, W. Va.; 647.216.

Pump jack—George Anderson, Lasalle, Ill.; 674,662.

Under-reamer and expansion bit—Edward North, Los Angeles, Cal.; 674,793.

Casing clamp—W. H. McGarvey, Glinik Marysmpolski and George Tanner, Styria, Austria; 675,047.

Pumping jack—M. F. Clark and F. J. Ferguson, Chipmonk, N. Y.; 675,466.

Kern County Oil Land.

The recent strike of the Grace Oil company in the southern portion of the Kern River district proves beyond a doubt that the oil belt is extending in a southerly direction. A very rich oil sand was struck at a depth of 1,300 feet, the oil obtained being of a lighter gravity than that found north and being of more value than the heavy oil which is the average output of the wells in this county.

This strike of the Grace Oil company has added very much to the value of the land south of the River, and land in this neighborhood which was formerly sold with difficulty at $25 an acre is now regarded as cheap at $150 or $200 an acre.

The Wizard Oil company, which is operating in section 26, 29-28 is down about 900 feet with the indications very favorable for oil.

The undersigned is offering land for sale in the sections adjoining that in which the Wizard Oil company is located. In spite of the fact that land all around is being sold at $200 an acre he will sell to oil companies who propose actual development work tracts of land at the rate of $110 an acre on easy terms.

Address, "LAND OWNER."
Care PACIFIC OIL REPORTER.

FOR SALE CHEAP.—A good Standard Drilling rig with two strings of tools. Wagons, galvanized wagon tanks, second-hand 9⅝ and 7⅝ casing. Lot of good lumber, dishes, stoves, etc. Everything in good order.

Box 77, McKittrick, Cal.

Storage Tank Completed.

An enormous oil tank to hold 1,250,000 gallons of fuel oil was completed Tuesday for the Market Street Railway Company. It stands near the electric power-house at Fourteenth and Bryant streets, in San Francisco. It is ninety feet in diameter and thirty-one feet high.

Orders have been issued by R. P. Schwerin, superintendent of the purchasing and supplies department of the Market Street Railway Company, to begin filling the tank at once. A month will be required to fill it. This tank will hold 30,000 barrels of oil. It is to be supplied for three years by the Monte Cristo Oil Company, which has a contract with the street railway company. The contract is said to be in the neighborhood of 30 cents a barrel at the wells, with transportation charges of 42 or more cents added.

The fuel saving to the street corporation will mount into the thousands of dollars a month. Every power-house of the street railway system will burn oil supplied from this store tank. Oil-burning apparatus is now on the way from the eastern factories. As soon as it arrives and is installed in place of the old coal burners this big vat of oil will supply the wagons that will draw the fuel to the varions power-houses. This is the largest oil tank in this part of the country, but it is not larger than the great reservoir tanks already established by the big oil corporations in the Kern fields. It is carefully constructed to prevent accidents from fire.

Petroleum in the Philippines.

The southern portion of the Philippine Archipelago which is known as the Moros country, is proving highly productive of petroleum, and should become the seat of an important oil industry. A number of prospectors have, according to the Oil, Paint and Drug Reporter, located paying oil deposits, and some of the mining concerns have actually altered their plans and entered the petroleum business. It would seem that the oil prospector has very hard times there, petroleum being frequently found where there are no indications, while, on the other hand, wells sunk on the strength of such indications have often to be given up as failures. The Moros oil fields are chiefly on hills parallel with the shores, and the sp. gr. of the oil ranges from 16 to 28 deg. Baume. A peculiarity of these oils is that they are often purified by mineral substances underground and raised devoid of the yellowish tinge, which fact ensures a better price without improving the burning qualities of the oil. It is stated that the average output of this oil is from ten to sixty barrels per day per well, and w th proper equipment the production should be considerably increased. Between forty and fifty parties are operating in the Moros country, each possessing, as a rule, from two to a dozen wells.

Lincoln Oil Company.

General Manager, J. H. Edson of the Lincoln Oil company returned on Tuesday morning from a successful business trip in the East. He reports a very satisfactory sale of the stock of the Lincoln Oil company, and states that well No. 1 of the Lincoln Oil company in Kern county, which is now down several hundred feet and in oil, will be pushed to an immediate completion. The outlook for the Lincoln Oil company is now exceedingly bright.

Gas Flares.

"It's a very expensive matter to put down a dry hole," said a man who had just finished one. "Yes," assented the other fellow, "it's a tankless task."

Wells are sometimes abandoned prematurely, but when the wrens begin to build nests in the lead lines it is generally safe to conclude that it's time to pull the stuff. —Petroleum Gazette.

No initial report of a new oil pool, either actual or prospective, is complete without the concluding statement that "the supply is believed to be practically inexhaustible."

Query: "Of the numerous individuals who will rub a little oil between the tips of their fingers with the air of experts, how many really know any more about the quality of the oil after the proceeding than they did before?"

In spite of the depression of oil prices there appears to be considerable loose currency lying around in the lower country. An oil paper says that "the little grand-daughter of Mr. and Mrs. Brown swallowed a fifty-dollar bill a few days ago."

A little girl of Erie drank a pint of coal oil. The doctor thought she would die, until one of them hit on a happy expedient. They slipped a yard of candle wick down down into the oil, lit the upper end, and during the evening she lighted the room up nicely and then went to bed all right.—North East Breeze.

There are mosquitos in Texas which correspond in size with the big oil wells they are striking at Beaumont. One of these insects, which was recently captured at Galveston, and which is now on exhibition in a glass cage, is more than half an inch long and stands about an inch high. A mosquito of that size should obtain as good results from boring into an oil producer as the latter would have in boring for oil.—Oil City Blizzard.

Cactus Oil Company.

The Cactus Oil company operating in San Diego county, are down about 200 feet with bright prospects ahead. Machinery all new and first class casing and everything connected with an oil well outfit has been taken out so that there will be no delay. The personnel of company is first class: no better men in any business than are connected with Cactus Oil company. From every indication, they are bound to meet with success.

SECOND-HAND half-inch steel sand-pump line 400 feet long for sale cheap. Address NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland, or F. CHAPELLET, 214 Pine St., San Francisco.

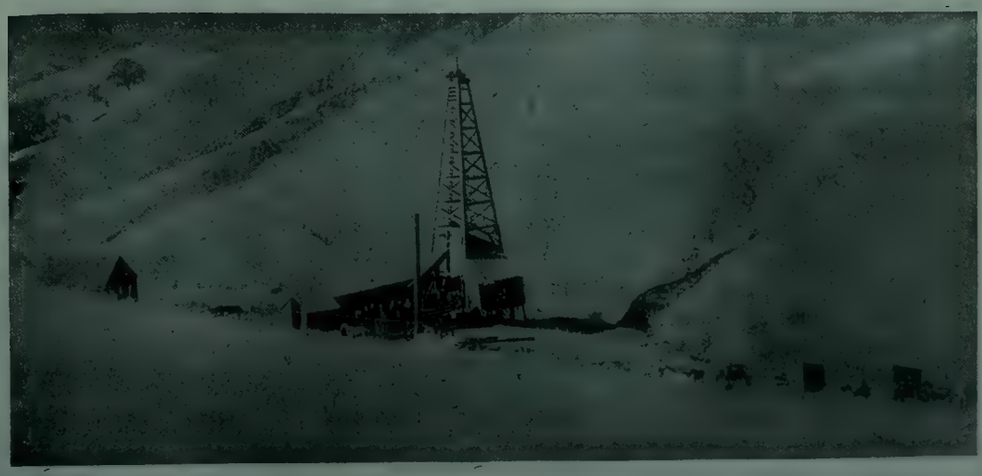
25 Cents Per Share

Derrick Is Now Being Erected for Our First Well

25 Cents Per Share

THE FRUIT VALE PARAFFINE OIL COMPANY

Incorporated with a strong directorate under the laws of South Dakota. Capital stock, 250,000 shares. Par value $1.00 per share—150,000 shares in the treasury. A leading geologist says: "I consider this company is to develop a long neglected Bonanza." Only a very limited amount of stock to be sold. For information write to



THE FRUIT VALE PARAFFINE OIL COMPANY

.....OFFICES.....

Stock Non-Assessable

Rooms 11-12
1008½ Broadway
Oakland, Cal

Room 13
5th Floor Mills Building
San Francisco

Stock Non-Assessable

Oil Companies Incorporated.

Obispo Oil company. Principal place of business, San Francisco. Directors: F Barrett, C R Parkinson, C E Bond K W Brown and C F Alderson. Capital stock, $1,000,000; subscribed in full

Jalama Oil company. Principal place of business, San Francisco. Directors: J R Davis, Ross Valley; E C Hutchinson, San Francisco; G Goodman, Oakland; H Dibble and N A Dodge, San Rafael. Capital stock, $100,000; subscribed, $25,000.

California Oil company. Principal place of business, Jerome, Ariz. Directors: J R Thomas T S Metcalf, A B Saulsbury, W B Saulsbury and R A Thomas. Capital stock, $1,000,000.

Coalinga Consolidated Oil company. Principal place of business, Phoenix, Ariz. Directors: M V McQuig, T H Noxin, R C P Smith and O Z Hubbell. Capital stock, $550,000.

The Washington-California Oil company. Principal place of business, Olympia, Wash. Directors: W D Jenkins, E J Jenkins, J B Reavis, S A Calvert, D E Biggs and N J Redpath. Capital stock, $750,000.

Arcola Oil company. Principal place of business, Boston, Mass. Directors: F W Marshal, H B Stearns, L W Bartlett, W W Lowe and H Whitmore. Capital stock, $300,000.

Tremont Oil company. Principal place of business, Boston, Mass. Directors: H M Woodward, C E Marshall, H Whitmore, H B Stearns and J H Weir. Capital stock, $600,000.

Beacon Light Oil company. Principal place of business, Boston, Mass. Directors: H J Wilkins, H A Rideout, H B Stearns F W Marshal and W S Bartlett. Capital stock, $300,000.

Cunard Oil company. Principal place of business, Boston, Mass. Directors: H J Wilkins, H B Stearns, W S Bartlett, C H Swan and H M Woodward. Capital stock, $300,000.

California Fortune Oil company. Principal place of business, Phoenix, Ariz. Directors: I J Truman, A J Fritz, R A Coleman, A R Wooster and W M Madden. Capital stock, $500,000.

Volcano Springs Oil company. Principal place of business, Riverside. Directors: J H Thompson, R B Sheldon, M J Westerfield, I A Witherspoon and W S Ruby. Capital stock, $300,000; subscribed, $5,000.

Bella Vista Oil Syndicate. Principal place of business, San Francisco. Directors: P H Blades, H H Davis, T Gilbert, C D Howry, M M Davis, E H Benjamin, F Rathman, H R Tritle and E R Hall. Capital stock, $1,500,000.

Paxton Gold Bond Oil company. Principal place of business, San Francisco. Directors: J E Kerr, H H Davis, C F O'Brien, M M Davis T C Tridel, F Rothman, E H Benjamin, H R Tritle and D F Hall. Capital stock, $500,000.

Standard Consolidated Oil & Land company. Principal place of business, Phoenix, Ariz. Directors: R H Van Sant, G R Webb, G J McGregor, F R Deremer and E B Davis. Capital stock, $1,000,000.

Frisbee-Hatch Oil company. Principal place of business, Pierre, S D. Directors: F Frisbee, F A Hatch and L C Smith. Capital stock, $500,000.

Vallejo Oil company (Arizona). Place of business, in California, Bakersfield. Incorporators: W C Carpenter, C J Rader, H L Sherwood, C R Merriam, R J Cline. Capital stock, $450,000.

Syracuse Oil company (Arizona). Place of business, Phoenix. Incorporators: H L Sherwood, C R Merriam, W C Carpenter, O C Myers, R H Smith. Capital stock, $500,000.

Bakersfield Brick company. Principal place of business, Bakersfield. Directors: A C Bowman, A J Taylor, R I Irons, A M Irish and F D McClure. Capital stock, $10,000: subscribed, $500.

Highland Mary Crude Oil company. Principal place of business. Bakersfield. Directors: G H Taylor, H D Whittemore, A D Whittemore, E L McLeod, C B McLeod, G O McLeod and B F McLeod. Capital stock, $250,000; subscribed, $700.

Burks Oil company. Principal place of business, San Francisco. Directors: J H Dorn, A Wilkie, E N Sewel, J L Wilson and H Dwyer. Capital stock, $300,000; subscribed, $25.

Siskiyou County Oil company (South Dakota). Place of business, Pierre. Directors: J E Wheeler, J S Nalley, H R Raynes, A J Collar, J R Farraher, C L Gregory, J A Julien, Yreka; E B Edson, Gazelle; O W Netting, Etna.

Boston White Oil company. Principal place of business, Los Angeles. Directors: E R Stouffer, C Jantzen, H Miller, T C de Lisle, E T Kinsel, F Stone, L Hoffman, W Kinsel, Los Angeles; H A Pierce. Tropico. Capital stock, $500,000; subscribed, $300,000.

Salton Oil company. Principal place of business, Riverside. Directors: R B Sheldon, I A Witherspoon, J G North, W S Collins, Wm. Bartee, all of Riverside. Capital stock, $30.

Fulton Engine Works. To build machinery of every kind. Capital stock. $50,000. Directors: A J McClone, F L Wildes and W E F Deal. Place of business, Virginia City, Nev.

White Star Oil company. Principal place of business. San Bernardino. Directors: F W Gregg, H Surr, N B Glasgow, San Bernardino; James A Gibson, Los Angeles, and S B Wright, Colton. Capital stock, $50,000; subscribed, $600.

ARIZONA.

El Media Oil company (Arizona). Place of business, Flagstaff. Directors: J A Drinkhouse, R Rossi, G W Wilcox, G Quarre, San Francisco; R A Grovno, Alameda; G W Austin, G M Flint, Oakland. Capital stock, $500,000; subscribed, $7.

Mutual Union Oil company (Arizona). Capital stock, $500,000. Directors: J J Meyers, R S La Motte, San Francisco; J H Shuffleberger, H R Mitchell, H G Comstock, Marysville.

Sunset Czar Oil company (Arizona). Place of business, Maricopa county, Arizona. Capital stock, $500,000; subscribed, $50,000. Incorporators: George Easton, B W Hahn, J R Atkinson, M Phipps.

Par Value Oil company (Arizona). Incorporators: S F Long, G W Armitage, E G Smith, H Lawrence, C J Sweeney. Capital stock, $500,000.

Non-Assessable Oil company (Arizona). Capital stock, $500,000. Incorporators: F W Marston, E E Hesse, J M Gleaves, S F Long, J P LeFevre. Place of business, Nogales, Ariz.

Eureka Oil & Development company (Arizona), Place of business, Phoenix, with a branch office at Grass Valley, Cal. Capital stock, $500,000. Incorporators: R Noell, Wm. Blair, K Epstein, G Murphy, A Gill, H J Fuchs, G Stoddard, O A Turner.

Los Angeles Stock Board.

Stock trading on the Southern market continues good, although the volume of business transacted on the Los Angeles Stock Exchange was not up to the average during the week ending June 22nd. The general tone of the market is favorable and stock purchasers generally are anticipating better prices as the result of the advance in petroleum.

Among the active stocks Westlake has suffered slightly from bear raids, falling back to the price of several weeks ago and there closing at 16¼ cents. Pacific Slope is up a couple of points but is not moving as briskly as formerly. Reed Crude has probably suffered a greater decline than any other security, dropping from 45 to 38½ cents at which it closed Saturday. Central is picked up whenever it is offered around the dollar mark.

Among the mining stocks Butte Lode is still one of the favorites, the last sale registered being at $27.50, which figure is the present bid with none offered at less than $40.00

Bank notes as usual are inactive. State Bank & Trust company continues to advance and some few sales have been made at better figures.

Curb trading goes merrily on and the amount of business thus transacted will probably exceed that done on the Exchange. No material changes in the market have occurred and the situation may be characterized as sensitive as it may continue to remain until the petroleum market conditions are settled.

W. G. YOUNG.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

OIL

On All Sides of the Arroyo Seco Oil and Development Company's Lands

OIL

Within the last thirty days five companies have struck oil whose property adjoins ours.
Our first well drilling; down 200 feet in two weeks.
Incorporated under the laws of Arizona, which makes the stock of the company absolutely non-assessable.
Capital stock $500,000. 500,000 shares. Par value, $1.00 each. 720 acres of land are located in the famous Arroyo Seco and Veratina Districts of Monterey County, California. Active development work will be started at once. Oil has been struck on all sides of our lands.
Now is the time to invest. Don't wait until the stock gets beyond your reach. Live agents wanted in every town in the United States.

REFERENCES:

First National Bank, S. F. Crocker Woolworth National Bank, S. F. California Petroleum Miners' Association, S. F. "Bonds and Mortgages," Chicago, Ill.
For further information, address

The Arroyo Seco Oil and Development Company was organized to develop lands for oil, and was incorporated on December 27, 1900, under the laws of Arizona. Under those laws the stock is non-assessable, and the private property of its stockholders is exempt from corporate debt. The lands of the company were selected in small tracts in different localities in order to obtain the benefit of the increased value accruing from development of other lands near us by other companies. The property of the company consists of 1160 acres situated in Monterey county, California, south and west of the Salinas river, about eight miles from Soledad, in the Arroyo Seco District; in the Veratina and Hames Valley Districts, about seven miles from Bradley; and in the San Ardo District, about five miles from San Ardo. The districts named are school districts, and the towns mentioned are on the coast line of the Southern Pacific Railroad. The land is owned by the company free and clear of all incumbrance. A map of our properties will be cheerfully forwarded on application. On December 31, 1900, the board of directors authorized the sale of 50,000 shares of stock. On January 15, 1901, and before the company's prospectus was issued, most of the stock was already sold. Another 50,000 shares will be offered at a price to be fixed by the board. From these sales it is calculated ample funds will be obtained to complete the work proposed, as herein stated.

H. R. EARLE, Secretary

480-481 PARROTT BUILDING, SAN FRANCISCO.

Watch for Reports of

Kern Valley Oil Co. 1st of July

If you are a stockholder increase your holdings. If you are not a stockholder buy now while you may.

Office: Room 13, 5th Floor, Mills Building.

Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.

Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

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Oil Well Casing Oil Stills

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The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem boxes

Drilllers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessy to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.

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OIL & GAS WELL RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

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MINING, MILLING and MACHINE CASTINGS

Rig Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools. Heavy Forgings.

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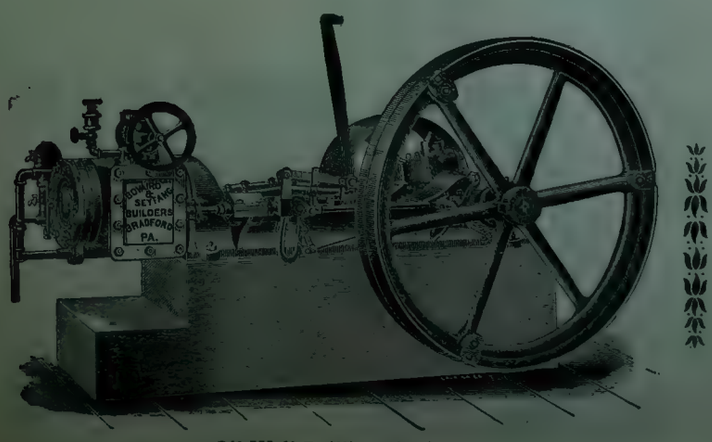

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OIL WELL DRILLING MACHINERY

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BOSTON CASING

PROMPT DELIVERY CORRESPONDENCE SOLICITED

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A, Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GREAT NORTHERN OIL CO
Capital.....$600,000
600 000 shares at $1.
Location: The N½ of the N½ of the SE¼ Sec. 22, and the S½ of the S½ of the SE¼ Sec. 22 T. 19 S., R. 15 E., Oil City, Coalinga district, Fresno county.
Own 80 acres in the Coalinga district, Fresno county.
Officers: Hon. W. J. Westerfield, president; W B Dennison, secretary and tresurer.
Office: 783 Market St., San Francisco.

GRAND PACIFIC OIL CO.
Capital.....$1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

INDEPENDENCE OIL CO.
Capital.....$600,000
600,000 shares at $1.
Location: Oil City, on the SW¼ of the NE¼ of Sec. 28, T. 19 S., R 15 E., Fresno county, and within a half mile of the famous Section 20.
Officers: W C Herbert, president; L L Nelson, vice-president; Duncan Hayne, William Craig, Dr J S Potts, Brewton A Hayne, secretary; Union Trust Company, treasurer and depository,
Office. Room 435, Parrott Building, S. F.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors; J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LAKE AND COLUSA OIL AND LAND COMPANY. (Incorporated.) Capital, $100,000. Number of shares, 10,000, at $10 each. Lands, 11,000 acres in Lake and Colusa counties. Officers and Directors—President, C T Deane; vice-president, Percy W Rochester; secretary, C B Gleaves; treasurer, John A Hammersmith; Gen N P Chipman, L P Crane, John W Plunkett; attorney, I J Truman Jr. Depository, Donohue-Kelly Bank. Office, 508 Hearst (Examiner) Building, San Francisco. Telephone, Black 5264.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock nonassessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; H A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5060 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal·

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River, district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson. Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
This is our property—2140 acres, Kern county; 134 acres, San Diego county; 320 acres, Glenn county; 800 acres, Tehama county; 4850 acres, San Benito county; 140 acres, Monterey county; 800 acres, Fresno county; 400 acres, Humboldt county—9594 acres.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; Union Trust company, treasurer; W E Robinson, Springfield Ill., Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 228 A street; Portland, Ore, McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco, Cal

A. S. COOPER, C. E., M. E.

219 Crocker Building

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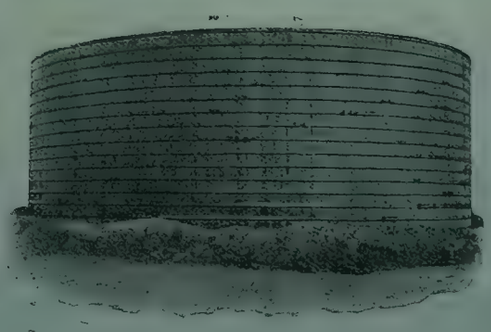

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VOLUME 2 NUMBER 35

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, JULY 5, 1901.

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Largest House on the Pacific Coast.
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It is going rapidly. Well No. 3 completed. Will soon commence No. 4 and continue with same push and energy until we have completed fifteen wells. We are now known as one of the large producing companies. We have been in the field only four and one-half months and have three of the best oil wells in the state. We are about to close a large contract for the sale of oil, which, if completed, will put us in the list of dividend-paying companies. All moneys received by us are an actual asset of the stockholders, as they are honestly disbursed and made to count as such.

One Word to Investors

The officers of this company have taken the precaution of placing nothing but concise business propositions to you, knowing that in doing so it has appealed to the intelligent investor.

An Opportunity

With our friends and patrons we have had pleasant business relations. Who can realize the feelings of a man who, after struggling long against adversity, suddenly finds himself placed by some turn of fortune in a competency, even in luxury? Such occurrences are by no means rare—they are daily. Close study will impress you with the fact that no other investment offers such golden returns as oil. Large fortunes are amassed with great rapidity. The man of ordinary means has but little chance at the present day to avail himself of the great opportunities offered for investments. The oil industry offers the small investors a chance to reap some of the profits offered. Besides the large prospective increase in the value of our stock, we are one of the most successful companies in the field.

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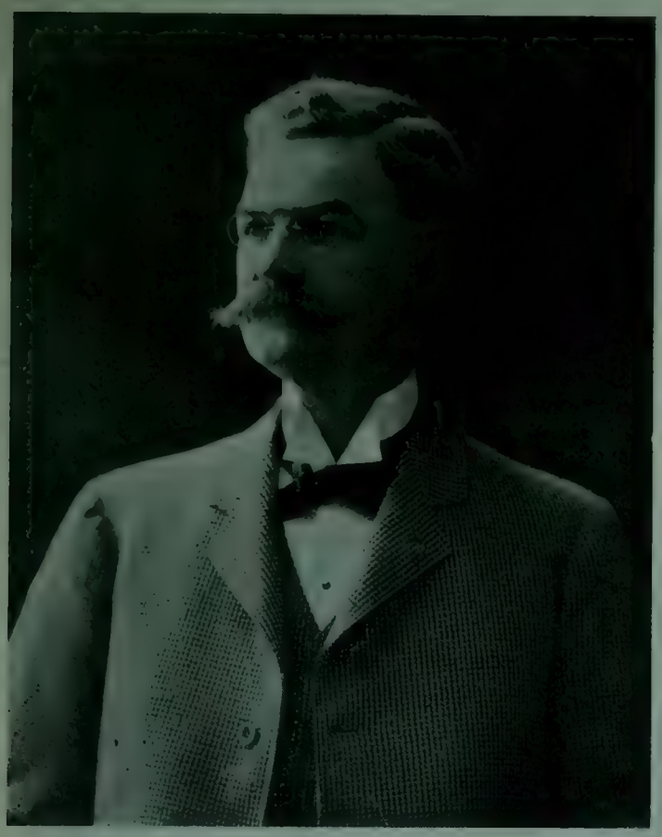
PACIFIC OIL REPORTER

VOL. 2. NO. 35. SAN FRANCISCO, CAL., FRIDAY, JULY 5, 1901. PRICE, TEN CENTS

R. H. HERRON.



The history of the oil industry in California would be incomplete without a sketch of Rufus H. Herron, who has held a prominent place in the development of the supply business incidental to the trade. Six years ago Mr. Herron left the oil fields of Western Pennsylvania, his native state, and at once directed his energies to the up-building of the great oil well supply house which bears his name. At the time of his arrival here the oil business of the state was in its infancy, but Mr. Herron's experience in the Eastern fields and his knowledge of the needs of oil men brought him into close connection with the pioneers of the new industry, and his hearty co-operation contributed not a little to the successful establishment of the oil business in the new fields, and the employment of new and improved drilling machinery is largely due to his efforts.

The Herron company first established itself at Los Angeles, but as the great extent of the California oil fields began to develop, the need of closer connection with the different districts became apparent, and branch houses were established, first at Coalinga, and subsequently at Bakersfield, McKittrick and San Francisco, forming the strongest connected line of houses west of the Pennsylvania fields.

In addition to furnishing the tools for oil field development, Mr. Herron is himself interested in oil production, having extensive holdings in Colusa county, which are now being developed. He is also interested in the Southern California fields, including Coalinga, Kreyenhagen, Kern River and Sunset fields, in the San Joaquin valley; and south of Tehachapi in Fullerton, Los Angeles and the Duquesne company of Summerland, a large producing company.

Mr. Herron's many interests are in the hands of capable representatives, but he finds time in addition to giving personal attention to the details of his great business to take an active interest in the affairs of the Los Angeles Oil & Stock Exchange, of which he was at one time vice-president and member of the governing board. Mr. Herron's remarkable success in the supply business has placed him in the front rank of oil men, and the great and varied assortment of supplies carried by his firm make it easily the leading house west of the Mississippi.

TO LOAD OIL AT SEA.

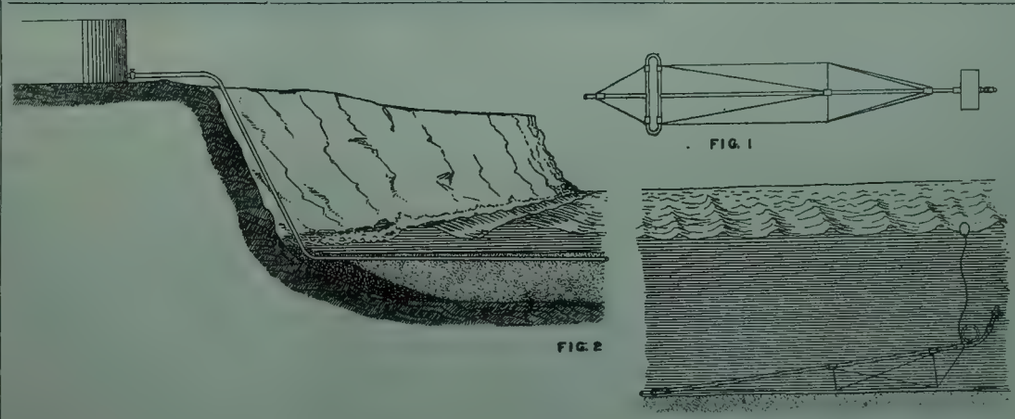
A Novel Mechanical Invention By Ex-State Mineralogist Cooper.

A novel invention, of interest to all oil men concerned with prospective oil fields along the California coast, has been designed by Ex-State Mineralogist A. S. Cooper in anticipation of the development of producing wells in some of the shore fields being exploited and of the need of cheap and convenient means of transportation.

It is a scheme for loading oil in vessels or barges anywhere along the shore, regardless of the presence or absence of harbors and wharves. Practically all of the coast fields being prospected in Humboldt, Mendocino, Marin, San Mateo and Santa Cruz counties are distant from any of the very few harbors California possesses, and to reach one would involve very long pipe lines or team or or railroad haulage at large expense. This would lessen the recognized advantage such fields would possess in their proximity to cheap transportation by sea. Such would be the situation in the Mattole district, at Point Arena, in the field north of Santa Cruz now undergoing exploitation, and elsewhere. Ability to pipe oil direct to the sea and then to load without the necessity of costly wharves, subject to wreck by storm and wave, would be a most welcome advantage.

Mr. Cooper proposes to solve this problem without reference to wharves and sheltering piers and headlands. All such oil fields would be some hundreds of feet above the sea and gravity would carry oil to the edge of bluffs which are everywhere a hundred or more feet above the surf. The ocean bed shelves outward in varying ways, but in calm weather a vessel can anchor temporarily anywhere at a little distance from the shore. Mr. Cooper proposes storage on the bluff and then a large pipe leading from the storage tank out over the ocean bed to a distance depending on the depth of water and other conditions. At the end of the stationary pipe a delivery pipe is to connect by a ball and socket joint. This delivery pipe will usually rest on the ocean floor, with a buoy floating above to mark it and to enable its being easily raised to the surface. The vessel to be loaded would anchor close by and a long flexible hose run from the end of the raised delivery pipe to the hold. Then the oil is supposed to be turned on.

The big hydraulic giants used in mining are connected to the water pipe by such joints which operate perfectly under vastly greater strain and usage. This hinged section of delivery pipe is designed to be strengthened by a truss arrangement of braces and at the end is to be attached an air cylinder to lessen its weight in raising it. Whether the invention, which is not patented, ever comes into practical and successful use or not, it is a clever conception which suggests that new conditions and difficulties in the oil business will be successfully met, as they have been in the past. It is an interesting bit of encouragement for coast oil prospectors.



A. S. COOPER'S PROJECT FOR LOADING VESSELS WITH OIL OFF SHORE.

PROGRESS AT COALINGA.

Recent Work in the Fresno County Field.

WATER SUPPLY.

The Coalinga Water company supplies seventeen drilling rigs with water on section 28 and in the vicinity of Oil City. It pumps water into four townships and has 6600 barrels of water tankage.

Valley Water Works is located three and one-half miles northwest of Coalinga on the edge of the hills. The company, of which Robinson & Rawlins of Hanford, and Balfour, Guthrie & Co. of San Francisco are members, have put in one of the finest pumping plants in the state.

The company uses only one well, but it has an immense capacity for furnishing water. It is 250 feet deep and the water rises within 80 feet of the surface. It was dug by hand and boxed in to a depth of 128 feet and then 9⅝ screw casing was drilled in for the rest of the well. Inside of the larger casing was placed a 5⅝ casing, both sets of pipes being perforated. When the well is pumped steady all day the water will lower but eight feet, and after the big pump stops it fills up again inside of 10 minutes. The water is very good—in fact extra good—for that part of country, and is healthy.

The well pump and the force pump are driven by a 75-horse-power Hercules gas engine. Coalinga oil is used, in the form of distillate, and works all right.

The company has a fine Dow force pump of large capacity, and which brings a very heavy pressure to bear to force the water through the pipes up onto the hill. It takes a pressure of 425 pounds to the square inch to raise the water to the Ætna wells and a pressure of 475 pounds to push the water to the company's big reservoir tank on the hills above the section 28 rigs. The company has a reservoir tank at Ætna, as well as on 28. The company has about seven miles of 4-inch pipe line and some 5000 feet of 3-inch pipe line.

COAST RANGE WATER COMPANY.

The Coast Range Water company's pumping plant is located four and one-half miles northwest of Coalinga, just within the raise of the hills. H. H. Brix, is the manager.

The company has two good wells, 124 feet deep, with 11⅝ drill casing. These wells supply a very good quality of water for this section. There is a pump at each well, which discharges into a large tank. The capacity of the pumps is 200,000 gallons in twenty-four hours. A large force pump sends the water up the hill through three and two-inch pipes as fast as the two pumps can discharge it into the tank.

Power for the plant is furnished by steam from a six-horse power boiler to an excellent engine and force pump.

The company has contracts to supply water to nine companies in the Confidence group. Seven of the companies are now using the Coast Range water.

The company has six miles of pipe line. It has two storage reservoirs, one of 30,000 and the other of 50,000 gallons capacity, as well as three iron tanks holding 500 gallons each.

The company contemplates material improvements before the coming fall. Another boiler, of like size to that now being used, is to be added, and the entire pumping plant will be moved over close to the two wells, as the plant is now too far away from the wells for economy with steam.

If the Confidence territory continues to develop as well as it has been doing the past year, the Coast Range will not only have all it can attend to, but much more.

THE ENGLISH CORPORATION.

The California Oil Fields company, the big English company which recently purchased the lands of the California Oil and Gas company and other territory in the vicinity of Oil City, is putting up some fine buildings on the hill on section 21, just north of the group of wells on section 28 and adjacent to the Caribou property. There are three buildings already up—a residence and office, a bunk house and a cook house. All are substantially built of the best material, of finished lumber, and a plumber from Hanford has been over and done the necessary plumbing.

The company has four drilling rigs nearly ready for work. Two of them are on section 27 and the other two on section 21, close together on the corners of the two sections. Two of the rigs, those on section 27, will begin drilling about July 10th, and the other two will start soon after.

The company has a neat office at Coalinga. When the stockholders of the company visit the camp they will find there not only the best of conveniences, but that luxury of civilization—a bath tub. This camp now being built is the main camp, and there are other smaller ones at different places on the seven sections of land which the company has acquired.

The Valley Water company has a tankage on the hills above this camp, and supplies the company with water.

SECTION TWENTY-EIGHT.

There would be much more work in the development line, and more oil would be pumped for shipment on section 28, if there was more demand for oil and the price was higher.

The Independece Oil company is pumping six wells, but it is running its pumping jack at as slow a speed as possible, as the intention is not to pump over 200 barrels per day (about half production) and thus keep the wells agitated to keep up the flow. Only the superintendent, Mr. Hayne, and the pumper are at work. The company will probably commence the drilling of another well shortly.

The 28 Oil company is pumping four wells already, and last week started to drill No. 5.

The Phona Oil company has two wells, both producers, but in shallow territory.

The Oil City Petroleum company is pumping four wells steady, night and day. Have a derrick up for the fifth well and will probably commence drilling next week.

The Hanford Oil company has two wells pumping steady now. It has just finished its second well, a fine one. These wells are at present the best two producers on section 28.

The California Rock Oil company has been drilling on its No. 2 well for three weeks, and was down 700 feet on Tuesday of last week with a 14-inch hole.

OIL SHIPMENTS.

The shipments of oil out of Coalinga have been running pretty steady for the first half of this year, just ended, except in April, when the largest month's shipment in the history of the field was made—426 carloads.

The following table shows the oil shipments from Coalinga for the five months to June 1st:

Month.	No. Cars.
January	244
February	220
March	258
April	426
May	295
Total	1443

Portion of the Great Goalinga Field.—In the Foreground are the Wells of the Twenty-Eight Company; the Independence Wells are on the Ridge.

CONFIDENCE GROUP.

The territory in what is known as the Confidence group, in the Coalinga district, has developed wonderfully in the past year, numerous good wells having been struck, with the result that more development work is being done here, in this new but proven territory, than in any part of the Coalinga district.

The Fresno-San Francisco has two derricks up and is all ready to drill its first well as soon as the contractor brings his drilling outfit on the ground, as the drilling has been let to contract.

The Esperanza Oil company is down 400 feet and is not drilling at present—evidently waiting to see the result of work on the Mercantile Crude, on adjacent territory.

On sections 3 and 4, township 20, range 14, two new rigs will go in this fall. W. J. Mackie of San Francisco is

the head man in the new rig for section 4. Water for both rigs, from the Coast Range Water company has been spoken for.

The Mercantile Crude Oil company had fine prospects for a good well at 700 feet, the bit having gone through sixty feet of live oil sand. But water came in about the casing, causing the ground about the pipe to cave. A derrick is up for drilling on well No. 2, which was to have commenced several days ago.

The Roanoke Oil company is down 1000 feet in its well and is also having trouble with water. It has a nice showing of oil sand and quite a flow of gas, and a good well will probably be developed if the water can be shut out.

The Coalinga Standard Oil company has a drilling rig lying on the hillside just south of the El Capitan. The company evidently intends to begin drilling soon; probably waiting to sell sufficient stock.

The El Capitan is a new company in this field, yet it has already developed two good wells. Well No. 1 is considered to be the best well in the Confidence group. It is 840 feet deep, and is in the third sand sixty feet. It produces 200 barrels or better per day. The morning I was at the property the bit had just entered the second sand on well No. 2 and there was a good showing of oil The well will be put down to third sand. There is a good deal of gas in both these wells; there is also a better strata of oil below the third sand and the company expects to go after this fourth sand in well No. 3.

The producers Guarantee Oil company has a pretty good well. The company will probably drill deeper, expecting to increase the oil production. The well is now about 700 feet deep and in the second oil sand.

No development is going on at the Confidence property at the present time. There are five good wells on the property, but No. 4 well is the only one being pumped at present.

The Maine State Oil company, of which G. W. McNear of San Francisco is the sole or principal owner, has a 100-barrel well in its No. 1. Well No. 2 has had to be abandoned under peculiar circumstances. The well had reached a depth of 340 feet when a string of tools was lost in the well and as they could not be fished out, the well had to be abandoned. A part of Mr. McNear's lease of the property, on which the Main State is situated, is that he shall build a pipe line to Coalinga, and the oil operators in that vicinity are anxiously looking for the building of the pipe line, for the oil development there makes a pipe line or a large amount of tankage necessary.

Mr. McNear has a new 2000-barrel tank erected on the Maine State property. It is presumed that this tank will soon be moved up onto the top of the hill, from the ravine where it now is and be used as a storage or supply tank for his pipe lines.

The Ajax shut down last Saturday, waiting for drive pipe, which has been ordered in the East and which will probably be some five or six weeks getting here. There is a tendency in all parts of the field to use heavier pipe. The stove-pipe casing has proven a rank failure, and it is the general opinion that the screw casing heretofore used has been too light, as it telescopes when driven in, as is frequently necessary in deep drilling. The screw casing used in the future in the Coalinga field is likely to be much heavier than that used in the past, and when this is done the pipe will stand up much better, and there will not be so much danger to the casing when there is a fishing job on hand.

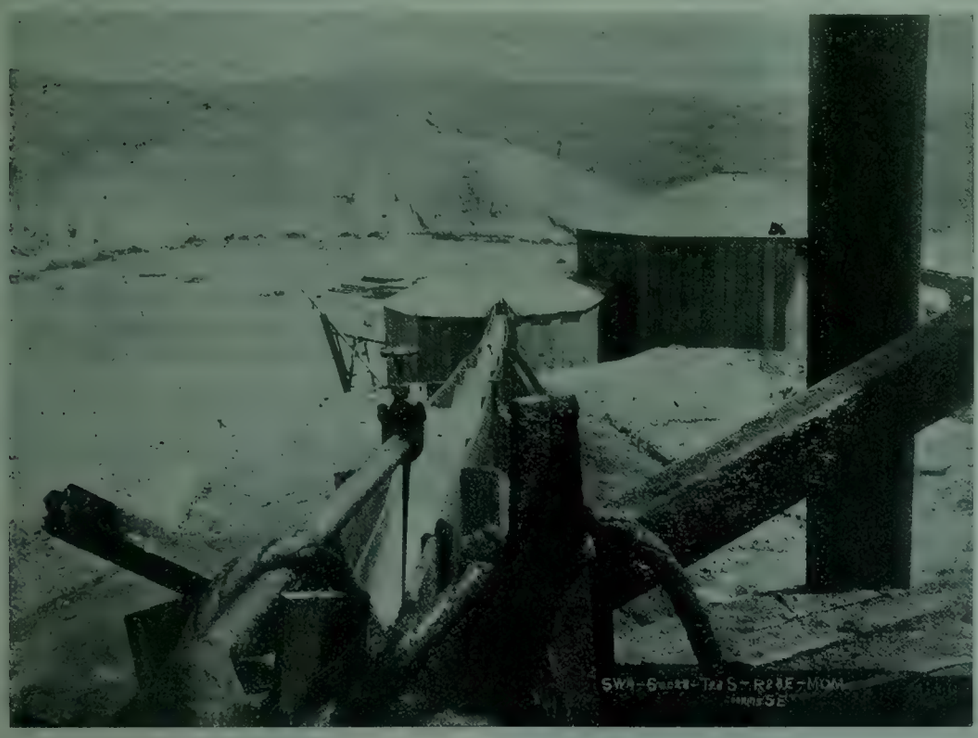
The Santa Clara Oil company is putting in a string of nine and five-eighths casing in its No. 2 well, which has reached a depth of 750 feet and is making good progress.

The Golden State Oil company shut down work on its well a week ago. It has oil in the hole and drilling will probably begin again soon.

The Commercial Petroleum company is drilling the first well on its lease and is down about 800 feet. Seven-inch drive pipe is being put down inside the nine and five-eighths casing, to shut off the water. Joe English, the well known driller, who left the field last year and was reported dead, is driller on the Commercial. He is a mighty lively corpse.

I found Wm. Worswick of Hanford, driller for the Aetna, and two of his men engaged in pulling casing from well No. 3. Drilling was progressing on well No. 5, which is down over 1000 feet. The Aetna has territory which is developing nicely.

F. V. Dewey, in Hanford Journal.



An Oil Flume in the Kern River Field with Riffles Designed to Catch the Mingled Sand.

Great Texas Gas Well.

The most phenomenal event in the history of the Beaumont field occurred about 4 o'clock on the 26 ult., when gas in the well being bored by the J. M. Guffey Petroleum company, in the midst of the other gushers, broke loose and tore everything in its path into small particles. The drillers had drilled through the cap rock, just over the oil sand but nothing happened, and they were in the act of removing the drilling pipe, having taken out about 500 feet, leaving 400 in the hole, when the gas broke loose and shot the pipe out of the top and over the derrick like a rocket.

This was followed by a terrible roaring sound of escaping gas and water. Sand and rock spouted 300 feet into the air. Of all the experienced oil men in Beaumont none ever saw the like before. The heavy drilling rig was lifted entirely off its foundation and set to one side, while the whole top of the derrick was torn into splinters. It is impossible to approach closer than 100 feet of the well, and the drillers have not the slightest idea how it could be be stopped. Some think it will blow itself out, and others think it will be as stable as the oil field itself.

There is very little oil in the discharge, though the well is close in the defined oil territory and is drilled to the oil bearing sand, a depth of 920 feet, where all the other wells have found oil. The Heywood Oil company's No. 3 well, about 500 yards away, came in at noon today, a magnificent oil gusher which spouted over the top of the derrick at the first trial. There is no human way to stop the gas well, and unless it blows itself out it may bring about fearful destruction if it catches on fire.

When the gas first broke loose there was no water or sand in it, but it had only been running a few minutes when the sandwater and rocks began to come out. The rocks which come from the well are of two kinds, a hard flint rock, which is supposed to be the cap rock, and the oil-bearing sand rock. This latter comes out in pieces as large as a man's double fist, and shows peculiar formation.

Of all the experienced oil men who has seen every sort of phenomena in the oil world, none can recall anything which equals this well. Many are of the opinion that oil will follow the gas flow, and if such happens, men tremble to think of the consequence, because there is no way on earth to shut it off. From appearance the eight-inch casing, which entended only about 500 feet into the well, has sunk down beneath the surface and can not be reached with a valve, and this leaves only a big hole in the ground, with a force of perhaps 500 or 600 pounds to the square inch to stop, with no other anchorage than the loose, sandy earth.

The Caribou.

The following statement of the affairs of the Caribou Oil company will be read with interest by its shareholders:

"To the Stockholders of the Caribou Oil Company: Assessment No. 3 of 5 cents per share was levied at about the time drilling on well No 4 was commenced. It was hoped the amount realized from this would be sufficient to complete well No. 4 and leave the company free from pressing debts. During the progress of the work, however, it was found absolutely necessary to purchase certain tools and materials which had not been provided previously, consequently when the well was finished, notwithstanding the fact that it was drilled quicker and cheaper than any other field well in the field, it was found the company had some $2900 more or less pressing debts. Assessment No. 4 is levied for the purpose of liquidating these debts and leaving some little money in the company's treasury for meeting small current expenses.

"All development work has been suspended and expenses reduced to a minimum, one man only being kept on the ground as a watchman. The company has three wells completed which is estimated will yield from 300 to 500 barrels of oil per day of an exceeding fine quality."

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

Telephone, Bush, 176

TERMS

ONE YEAR	$2 50
SIX MONTHS	1 50
THREE MONTHS	1 00
SINGLE COPIES	10c

STRICTLY IN ADVANCE

MONEY should be sent by Postal Order, Draft or Registered Letter, addressed to Pacific Oil Reporter, 318 Pine street, San Francisco, rooms 31-32-33. Communications must be accompanied by writer's name and address, not necessarily for publication, but as a guarantee of good faith.

Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, JULY 5, 1901.

THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

The Association.

The California Petroleum Miners' Association has issued an appeal to all companies and firms engaged in oil mining to join. The Association is engaged in the work of unselfishiy furthering the interests of this growing industry.

Every oil miner is directly interested in its work. The association is dealing with many questions whose success depends upon the co-operation of all concerned, and it should be given without hesitation or reservation, for unity of action will be required to carry through some measures which will be of common benefit.—Chronicle.

Standard Reaches Everywhere.

It is difficult to realize the immensity of the Standard Oil Company, now reaching out for the California oil business. In Eastern financial circles its increasing millions are continuously seeking new investment, and its associated interests are overshadowing every other financial interest in America.

Imagination and fear of the company's aggressive policy are responsible for the belief that the company is aiming to build up a despotism of money, but nevertheless it is a fact that the Standard's connections in Wall Street are growing wonderfully and that it is becoming a power known and feared throughout the financial world.

The Standard Oil and associated interests owns two of the principal trust companies of New York and and three of the leading banks, and is a stockholder in many other similar institutions. The stock in these five corporations alone is valued at $140,000,000, and they represent deposits amounting to more than $300,000,000. It has representatives in the management of the great insurance companies, which control $200,000,000 of available capital in the loan and investment market.

Some of the manufacturing trust companies known, in the stock market as "industrials," that are under the control of the Standard, are the Standard Oil, United States Leather, Amalgamated Copper, American Sugar, Glucose and Beet Sugar, Linseed Oil, United States Salt and a number of others, all branches of the Standard Oil, and of this class of securities the company has holdings valued at $1,250,000,000. In the great steel combine which has recently come into public notice the Standard owns, or did own, $150,000,000, and it has millions of dollars in gas stocks. The stock of the Standard Oil Company proper, which is included in the estimate of the company's industrial holdings, is worth $800,000,000 at $600 a share, the market value. The railroad bonds and stocks held by the company are estimated at $250,000,000 by interested brokers, and this has been vastly increased by recent consolidations. This makes the grand total capital of the company aggregate about $2,000,000,000. The income from this immense aggregation of investments is about $150,000,000, and the greater part of this is again invested. So colossal is this stupendous financial fabric that there are those who prophesy that it will fall of its own weight, but of this as yet there are no signs.

The inside men of the company number not more than a dozen, who are men of mature years, long associated with Mr. Rockefeller. Then there is a second circle of about fifty, who keep in touch with the inner circle and make its investments in accordance with tips received without asking questions. These tips gradually filter through the financial world and a great deal of money has been made by following them

CALIFORNIA HYDROCARBONS, 1900.

(First Report Published,—Courtesy Charles G. Yale.)

ASPHALT.		
Kern	701 tons.	$ 14,020
Los Angeles	5,000 tons.	100,000
Santa Barbara	5,270 tons.	105,500
Ventura	1,466 tons.	31,670
Unapportioned	138 tons.	2,760
Total	12,575 tons.	$253,950
BITUMINOUS ROCK.		
Santa Cruz	21,960 tons.	$ 58,590
San Luis Obispo	3,346 tons.	12,905
Total	25,306 tons.	$ 71,495
PETROLEUM.		
Fresno	547,960 bbls.	$ 547,960
Kern	919,275 bbls.	827,348
Los Angeles	1.722,887 bbls.	1,722,887
Orange	254,397 bbls.	254,397
Santa Barbara	183,486 bbls.	165,138
Ventura	443,000 bbls.	398,700
Unapportioned	248,945 bbls.	236,498
Total	4,329,950 bbls.	$4,152,928
NATURAL GAS.		
Santa Barbara	1,203,000 cu. ft.	$ 2,966
San Joaquin	27,612,500 cu. ft.	19,862
Sacramento	11,750,000 cu. ft.	11,750
Total	40,565,500 cu. ft.	$34,578

AIDING OIL INDUSTRY.

Petroleum Miners' Association Sets Forth Its Aims.

The California Petroleum Miners' Association has issued the following address:

SAN FRANCISCO, July 1, 1901.

To Oil Companies, Mercantile Firms and Individuals Interested in Oil Development in California:

The object of this association is to further the oil industry by every legitimate means—through the press, by issuing bulletins of statistics, furnishing information as to the standing of companies, as a bureau of information, by legislative action, distributing reports, and in every way to cultivate proper and conservative action in oil mining.

The California Petroleum Miners' Association is not one for individual profit, and no salaries are paid to any one except the clerical force. We propose to have a library, maps of all the oil districts, samples of oil, etc., which may be freely used by the members of the association. We receive letters from all over the world asking for information about companies, lands, etc., appertaining to the oil industry. If a company is not a member of this association we have no means of answering such inquiries, and so state. We inclose article from the Pacific Oil Reporter which gives a fair idea of the objects and aims of the association, and we believe that you owe it to yourself as well as to the oil interests of the coast to become a member.

The gentlemen composing the Board of Directors should be a sufficient guarantee that the affairs of the association will be conducted in a fair and business-like manner. Kindly have your Board of Directors take action on this letter. The fee for companies and firms is $25 per annum; for individuals, $12 per annum. All members pay an entrance fee of $10. Very respectfully,

M. H. DE YOUNG, President.
C. T. DEANE, Secretary.

Cost of Drilling.

In order to give a general idea of the cost of sinking a well a representative of the "Californian" called upon several prominent drillers and well known producers and from the data obtained compiled the following, using an 800 foot well as an example:

Rig	$1000
Tools and outfit	3000
Drilling	1800
Water tanks and pipe	150
11⅝ casing	750
9⅝ casing	700
7⅝ casing	600
Fishing tools and extra expense	700
4-inch tubing for well	350
Rod	125
Extra fittings	25
Total	$9200

Of this amount, however, $4200 is the price of the machinery, which can be used in drilling several wells or may at any time be sold at its face value, leaving the actual price for drilling the well in the neighborhood of $5000. This of course will vary in various parts of the field, as in the sections of the lower part the holes are completed from 550 to 750 feet deep, while in the northwestern portion the drill and casing is forced down 1300 or 1400 feet.

Taking this figure as a fair average of the cost of drilling each well the amount of money laid out in the local field is surprisingly large. The 700 holes, completed and in the process, of drilling have cost an aggregate of $3,500,000 and the machinery represents probably $500,000 more.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

REORGANIZED.

How the New Association is Regarded.

The California Petroleum Miners' Association has undergone an important transformation with the election of a new board of officers and directors and the adoption of a new spirit, new purposes and new character. It promises to now amount to something and take its place among the important and influential industrial and semi-public bodies of the state.

It has been an odd organized being since it was formed a year ogo. The association has really been L. P. Crane and its functions to glorify him and his oil enterprises. Mr. Crane is a very pleasant gentleman, of energetic manner and one of the best single-handed talkers in the state.

After hustling in Los Angeles for a few years he came to San Francisco with the northern oil boom and rushed into the field with a plan to form an association of oil men who should be to the oil industry about what the California Miners' Association has been to the mining industry. He formed the association to patriotically aid the oil industry, became its president, of course, and went into the business of organizing oil companies, experting new territory and booming undeveloped districts in which he was interested. As "president of the California Petroleum Miners' Association" he had a prestige of much value. The association has done little except provide the president with a fine business headquarters.

When the time for the annual election came around an overwhelming majority wanted a new deal and decided to put in an administration that would make the association a thing of real service to the industry. The following strong board of officers and directors has been elected: M. H. de Young, president; Surveyor-General J. M. Gleaves, first vice-president; Arthur R. Briggs, second vice-president; O. A. Lane, third vice-president; Dr. C. T. Deane, secretary; directors, E. P. Heald, George X. Wendling, Edward A. Denicke, Henry J. Crocker, W. A. Jacobs, W. B. Simmons; E. H. Stearns, attorney.

Mr. de Young's standing, executive ability and business sagacity, and the character and standing of his associates, insures at least a programme of effort to conduct the association on a high plane, and with a sincere purpose to promote the broad interests of this great but struggling industry without perverting the organization to personal ends.

Dr. C. T. Deane, the secretary, is a well known physician, ex-school director and leading citizen and serves without salary. He declares that the association will now devote itself to all legitimate ways in which the industry can be served. The headquarters in the Mills building will be made a bureau of information to answer personal and written inquiries, and an oil exhibit and a reference library will be established, as it is possible to do so. It is proposed to issue a monthly bulletin on the condition and progress of the industry in the state. Ways to encourage the consumption of fuel oil will be sought; matters of legislation affecting the industry will be taken hold of and as far as possible the public will be protected from swindling schemes. To these and similar efforts the California Miners' Association will undoubtedly be ready to give the aid of its endorsement and co-operation.—Pacific Coast Miner.

Los Angeles Stock Market.

Trading in oil and mining stocks on the Los Angeles Stock Exchange has varied greatly within the past seven days. At several sessions the volume of business ran into thousands while at other times the tide was low.

Prices generally have been affected by the general weakness of the market, although there are occasional exceptions. Pursuant to its regular policy the stock dealing public is offering its ings for sale now that prices are down; and it will be just as certain to return to the market with purchasing orders when prices again begin to advance. There are some speculators far-seeing enough to grasp the situation and these are taking advantage of present prices, well knowing that they are in many instances far below the intrinsic worth of the securities represented.

Some of the stocks traded in during the week ending Saturday, June 29th, have fallen off a shade, notably Westlake, which has sold within that time at 14 cents. Sixteen cents represents the maximum price paid for this stock during the week. Even this figure is far below its actual worth. Reed Crude has also showed a slight weakness, although it would be difficult indeed to fill an order at 38 cents and if the order were of any size at all it could not be filled at that figure. Continental is one of the strongest stocks on the board, although it too has suffered slightly from the general weakness of the market.

There seems a very strong tendency to trade more in mining stocks and this class of securities is no doubt destined to form an important element in the future business of the exchange.

Bank stocks and kindred securities always find a ready market when any are offered for sale.

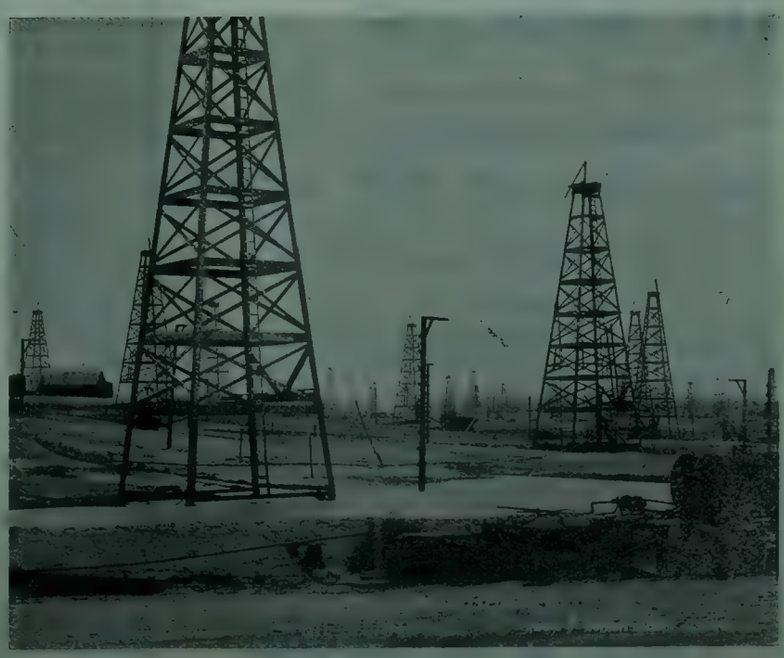
This Is Your Last Opportunity

10 Cents Per Share—STOCK NOW—10 Cents Per Share

After July 12th, 1901, 20 Cents Per Share

In consideration of the large amount of development work already accomplished and the amount of stock sold, the Board of Directors have resolved to advance the price of stock in this company on July 13, 1901 to **20 cents per share.**

Remember We absolutely guarantee the production of oil; that we will complete six wells in the heart of the celebrated Kern River district. In view of the rapidity that our development work is progressing, large dividends will be paid in the near future. That we will fill all orders for stock at 10 cents per share up to and including the 12th day of July, 1901. After that date the price is 20 cents per share. Members California Petroleum Miners' Association. For further information address



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ROOM 7, HOBART BUILDING, 532 MARKET ST., SAN FRANCISCO, CAL.

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The "Reliable and Strictly Legitimate"

STANDARD ROCK OIL CO.

Do you wish to make money? Then be careful and invest only in a sound and safe company! This stock is non-assessable! **Oil guaranteed!**

Land lies ½ mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick. There is no superior land to ours in any district.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it Why invest in a fake company making false promises o immense dividends on lands which will not produce a bar rel? Ours is absolutely proven; failure impossible!

All our neighbors have large producers!

Within 150 feet to 500 yards.

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near famous Home Oil Company and 160 acres adjoining an oil well in Napa Valley.

Drilling will begin in four weeks and well will be com pleted in sixty days, which, according to all our neighbors will be a very large one!

Inside of a few weeks 50 cents per share.

Delays cost money. Send for prospectus.

STANDARD ROCK OIL COMPANY

475-476 Parrott Building

855 Market St, San Francisco, Cal.

TELEPHONE, SOUTH 488

Oil and Mineral Lands

and

Oil Stocks

We have some of the most promising Oil Lands in

KERN, VENTURA AND FRESNO COUNTIES

Which we will dispose of at exceptionally reasonable terms.

We are also prepared to sell stocks in reliable companies operating in California.

50,000 Shares of Guaranteed Stock to be disposed of in payments to Suit Purchaser.

Information freely furnished on all matters pertaining to the Oil Industry.

Call on or address:

SHEA & PETERSON

301 HEARST BUILDING

SAN FRANCISCO, CAL.

BERNARD MARKS

Claims to Have Been Struck a Heavy Blow.

Two weeks ago this paper exposed the nefarious methods of advertising used in the east by the Santa Maria Oil company, operating, or rather promising to operate, in the Fresno San Benito oil district.

The manager of the company, B. Marks, professes to be not responsible for the advertising, and claims to have written the following letter to the brokers who, he says, wrote the advertisements and through them sold the stock.

These advertisements promised to pay a dividend of 2 per cent a month to stockholders, and also promised to pay 30 cents a share for stock that had been purchased at 25 cents. It was also claimed that B. Marks was the Superintendent of Schools in San Francisco, and that the company had a producing well at the depth of 40 feet.

Mr. Marks' letter is interesting reading to those acquainted with the gentleman and his methods, and who are familiar with the land claimed by the company:

NEW YORK, June 28, 1901.

Messrs. Barnard Bros., Dear Sirs: You have struck me the worst blow I have ever felt in my life. The enclosed page of the PACIFIC OIL REPORTER will tell the story. You know that I do not deserve the smallest part of this and that I found out only by mere accident that you were using my name in that reprehensible manner. Of course, you have long ago discontinued the kind of advertising to which I so strenuously objected in accordance with your promise so to do, but how can you ever undo the fearful damage which you have inflicted upon me?

The only thing you can now do is to write to the editor of the PACIFIC OIL REPORTER and set forth in that paper first, that I did not authorize any statement in your advertising. Second, that I stipulated that you should not publish any prospectuses until I had seen the proofs and that I am responsible for the prospectuses alone in which I objected to the picture on the cover. And third, in your own behalf you ought to defend yourselves against the charges brought against you.

I sent the following telegram today: "Your paper with article on Santa Maria just received. All advertising was done in Boston without my knowledge. I warned parties and they stopped it. See letter."

I brought you one of the very best oil propositions in California. There is not a company in all the San Benito region that has better land and very few that have as good. The company has two features for the benefit of its stockholders which you know of and which no other company has. And yet your reckless catering to one class of investors has subjected you to charges which my acquaintance with you satisfies me you do not deserve, and your unauthorized use of my name has done me irreparable damage.

Your position in Boston, both business and social, requires you to make the most strenuous efforts to set yourselves right before the public as reputable, professional advertisers, and demands that you fully exonerate me from having the slightest knowledge of your advertising. And in view of the terrible damage you have unintentionally inflicted upon me you owe it to me to make my exoneration emphatic and complete.

The best way out of this difficulty is through it. The plan you had formulated when I was last in Boston to raise money for drilling on the land without regard to sales of stock you should now push to completion. There are many places on the Santa Maria land, as I have told you, where a drill will strike oil within a short distance from the surface. You can retrieve the situation with extra effort and I have seen enough of you to believe you will make that effort and make it successfully. Active work can make the Santa Maria the most famous, as it is now the most in-famous company in the Vallecitos. Under present circumstances your making money out of the deal is of infinitely less consequence to you than is your good name. In this I am entirely satisfied that I am expressing your own opinion.

On your own account I know you will lose no time in taking this matter up and I request that you send me a carbon copy of your letter to the PACIFIC OIL REPORTER. Regretfully yours,

B. MARKS.

Famoso.

The applications for Famoso stock continue to come in from all parts of the country and England where they have a representative. Their three wells (among the best in the field) are being generally cleaned up and new pumps installed in view of a prospective contract for the product of the wells. When their well No. 4 is completed no more stock will be sold. S. D. Miner, general manager, and George W. Magwood, a director of the Famoso, left for the east on Monday in the interests of the oil industry.

FREMONT OIL COMPANY

Incorporated in South Dakota. Capitalized for $300,000. Owns 80 acres and owns 30-year lease on 320 acres at Ono in Shasta County. Stock non-assessable; 50c per share; par value $1 00.

President, Aaron Bell, Redding, Cal; Secretary, Geo. B. Millar, Evanston Ill.

Information furnished in detail on application. Office, 1212 Fisher Building, Chicago, Ill.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

They have been having plenty of trouble at Smith & Gorrill, No. 3, and very little progress in drilling has been made for three weeks. This is due to accidents, and unavoidable, we understand. For several days Johnson's men have been forging a broken stem—just returned from Colusa—which got bent in some manner and again broke.

FRESNO.

Minnesota is pulling 11 5-8 casing.

The Carmelita is down 1450 feet.

Confidence has everything about filled up.

The Home company is still working on No. 8.

Caribou will start up in about two weeks.

Hanford company is having another 500-barrel tank put up.

Ajax is waiting for drive casing and has shut down temporarily.

The Twenty-eight company started spudding last week on No. 5.

The California Oil Fields (Limited) has its No. 1 derrick about completed.

The Star Oil company is preparing to abandon its well. It is now removing the casing.

Commercial Petroleum company pulled its light casing and is now putting in drive pipe.

The Wisconsin company, which has been shut down for some time, is pulling 9 5-8 casing.

The Acme company, which will operate near Huron, has contracted for the building of a derrick.

The rig of the Double Eagle company is about completed. Operations will begin about the first week of July.

Santa Clara No. 2 is down 800 feet and in the first sand which has a good showing of oil and gas.

Rumor says that the California Oil Fields (Limited) will purchase the Coalinga Water company's plant.

El Capitan No. 2 is down 620 feet. The crew is putting in 11 5-8 casing, which necessitates some driving.

The Mt. Hamilton company has put down a water well and is now putting in a pumping plant to supply its rig.

Ætna No. 3 had an accident to the derrick last week. While pulling casing part of the top and one side was pulled down.

The Roanoke has a string of tools fast in the hole and is pulling casing in order to recover them. It is down about 1000 feet.

The Westlake-Rommel No. 2 has another fishing job, having lost a stem and bit in the hole. It is down about 900 feet.

The north half of north half of 14, 22-15, was sold to an oil company of Santa Clara county last week. This property lies west of Coalinga.

The endeavor of Mercantile Crude to shut water out of No. 1 with cement was only partially successful. It has now pulled casing in order to clean out the hole preparatory to another trial.

The endeavor of Mercantile Crude to shut water out of No. 1 with cement was only partially successful. It has now pulled casing in order to clean out the hole preparatory to another trial.

The Maine State put No. 1 on the pump this week with entirely satisfactory results. Well No. 2, in which a string of tools was lost, will be abandoned and the rig moved about 250 feet due south of No. 1.

The Rock is putting down 11 5-8 casing. Mr. Roberts, the superintendent, is quite satisfied with the progress made. To begin with he had a crooked hole 170 feet to contend with. After eighteen days' work, eleven of which were spent in straightening the hole, he is down 720 feet.

At a meeting held in Fresno on June 25th, the directors of the Fresno-San Francisco Oil company let the drilling contract of that company's No. 1 in the Coalinga fields to J. W. Livermore. The letting of this contract will be ratified at a meeting of the stockholders of this company on July 8th. Drilling will be commenced as soon as contract is signed.

The operations now under way in township 17, range 12 in the Fresno-San Benito district are liable to result in important oil discoveries The land in this portion of the district can now be obtained at a very low figure as up to the present time no well has struck oil in paying quantities. If however, one good well is obtained the land in the entire district will greatly advance in value. Those who buy land now, or obtain an option of purchase, are liable to reap rich returns at an early day, as the indications for a strike are very favorable.

KERN.

Vesta Oil company has completed its third well, one of the best in the field.

The Standard Oil company has just completed a pipe line to the Vesta wells.

Vanderlip on 25, Kern River, has closed down for the time being at a depth of 780 feet. It has a crooked hole.

Perseus is preparing to begin development work on its ten acres of land west of the New York-California property on 29, 28-28.

Peoples is preparing to begin development work on its property near the Kramer Consolidated plant in the Kramer district.

Commonwealth's No. 1 in Kern River had a fishing job on its hands until last week Monday, when the tools were recovered, and now it is drilling again.

The Sycamore Oil company has brought in its second good well and is drilling No. 3, and its neighbor, the Sterling, has a new producer.

In 25, 22-23 the Barton company is down 615 feet with good indications, but the Sunset in the same section has struck that most annoying of things, a fishing job.

It is figured that nearly if not quite 2000 carloads of oil were sent out of Kern county last month, which made June the record month to date. For May the total shipment was 1800 carloads.

Thistle has temporarily suspended operations and will not resume drilling for a month or six weeks. The company is located on 24, 28-27 and has a large casing down several hundred feet.

The discovery reported during the month by Stockton-Sunset on 15, 11-24 extends the lines of the district more than a mile and adds a broad scope of very good prospective, though not demonstrated ground. The discovery was made at 750 feet.

Mecca is now the sole owner of the east half of the southwest of the southeast quarter of 19, 28-28. An agreement for the purchase of this tract from J. J. Mack was entered into several months ago, and now the deed executed on June 24th has been filed for record. The actual consideration was $30,000. The Mecca company has a rig in operation on its possessions.

Jud Elwood and others who recently became interested in good prospective oil territory in lower California, south of the American line, have secured a rig and will soon start work on a test well. The tract borders on water and, if successful in finding oil in commercial quantities, the company will have no trouble with the transportation question.

In 23, 32-23, the Jolly Joker has substituted a Canadian pole rig, and is down 360 feet. The spar rig of this company has been put to work on 28, 32-24, on property belonging to Fresno Midway, originally for the purpose of pumping oil, but a flow of 1000 barrels of water a day has been struck, which at 10 cents a barrel is too profitable to let go.

While work has been suspended on the Ludwig & Hickey well, on the south side of the river, 17, 29-28, the operators believe that when they secure a hydraulic rig they will be able to handle the heaving sand which has caused trouble in drilling. So far as the formation encountered is concerned nothing has been found in drilling the well to alter the belief of its owners that oil exists there in good quantity.

NAPA.

The Anglo-American well, four miles west of Guinda, was down 150 feet last Saturday. They must be down 200 feet now.

SOLANO.

The drillers of well No. 1 of the Vacaville Oil company, after having replaced the 7⅝ casing, which had to be removed for the purpose of enlarging the well, report good progress for the past week and say that the flow of gas continues to increase and seepages of oil are becoming more apparent as the drill proceeds. Its depth is over 1300 feet.

SHASTA.

It was reported Wednesday in Redding that the Mt. Shasta company had recovered its bit. The report, however, could not be verified.

The Keswick Crude Oil company is now ready to bore, making the third drill to be operated in this county. The company was at first handicapped by a lack of water for its boilers, but a well was sunk by hand and water was struck Tuesday, butting the company in a position to operate the drill.

MONTEREY.

The oil company that is operating on C. T. Romie's land has changed hands—it is now the Arroyo Seco company instead of the Salinas Oil company. They have splendid indications and expect to strike oil most any day. They bring up quantities of soft tar or asphaltum in the sand pump, and there is a quantity of gas sometimes, as is shown by rumbles down in the well like a young earthquake coming. Last week they made good progress, but now they have encountered another one of those hard shell and have to go very slow. It is a very hard formation and extremely difficult to drill.

SAN BERNARDINO.

Adams Bros. have contracted with the Kramer company to sink 1000 feet and furnish everything, except water, for $5000, they to receive that amount even if a 25-barrel well is struck at a less depth.

The Kramer Consolidated well is down 400 feet, having gone through alternating strata of clay and gravel. They are running lower, keeping the drill continually at work. This formation of alternating clay and gravel demonstrates that there is an abundant supply of water for development purposes. In the meantime the Santa Fe is supplying water to the field for drilling purposes from tank cars and will continue to do so until sufficient water is produced from all other sources.

SANTA BARBARA.

The asphalt works near Carpenteria will probably continue steadily at work using La Hatera asphalt.

J. W. Churchill is moving his drilling rig from Casitas pass and will drill on the salt marsh land for Mr. Ayres of San Francisco.

On the Hope ranch, at Goleta, the drillers have reached a depth of 1000 feet with some seepages. Heavier machinery will be put in and the well will be sunk to 2000 feet.

Workmen engaged in digging a cesspool at the Santa Barbara bath house grounds created a temporary oil boom by opening a bed of asphalt at a depth of six feet which was mistaken for oil.

Still another company will attempt to find oil in Carpenteria. M. A. Ayres has taken a contract to sink a 2000-foot well on the land of R. B. Jack, near the asphalt works. It will be started with 14-inch casing.

Word comes from Beaumont, Texas, that the first well of El Beaumont Oil company, a Santa Barbara corporation, is a dry hole, work having ceased at a depth of 2000 feet. The company have purchased a tract of land fifty feet square, just large enough to put down one well, near the Spindletop gusher, for $7,500. The directors claim to have $5000 in the treasury, sufficient to bore another well without the necessity of assessing the stockholders.

SAN BENITO.

The Hollister Crude Oil company will be drilling very soon.

The Nonpariel Oil company in Bitterwater, is drilling well No. 3.

The railroad yards at Tres Pinos are covered with lumber, engines, cables, drilling tools, etc.

In the San Juan district there is great activity. The San Juan, San Antonio and two others are about ready for drilling.

The San Benito Crude Oil company has three complete rigs at Tres Pinos, and three more are expected to arrive shortly

The Grant Oil company has one of the most wonderful wells in the state—1065 feet without casing, and volumes of gas coming up. This company is going right along without loss of time, and we are sure without loss of money.

The citizens of Hollister subscribed $2000 cash for oil development near the town. The Hollister Petroleum Development company has accepted the subscription and is now putting up a Standard rig on the Cowden ranch, near here.

The Vallecitos Water company is now laying water pipes to furnish water for the rigs in the Vallecitos Oil district. As soon as this is finished the Hamiltonian, La Primera, Esmeralda, Fresno-San Benito, London, Calistoga and other companies will resume active drilling. The Portia is building a rig.

Mr. Todd, Vice president and Manager of the Calistoga Oil and Development Company, will leave San Francisco for San Benito County to start the new Keystone rig on Friday. Drilling will be commenced inside of a week in the Vallecitos district, and pushed to the utmost. The well in Calistoga is pro-

gressing favorably, passing at present through a stratum of shale. The energetic manner in which this company has conducted its affairs thus far is a sufficient guarantee for active development in the future.

SAN LUIS OBISPO.

The rigs that are drilling in the Huasna are having good luck with the drilling, but nothing more than seepages have been found as yet.

On the east side there is no great activity, there being only four rigs on that side, and only twelve running in the county.

The oil development in the northern part of the county continues, but no strikes of any significance have been reported this month.

The Great American, on 2, 25-10, is reported as having struck fourteen feet of asphaltum. The company had expected to strike oil at about the depth that the asphaltum was found.

The latest report from the Grand Prize, on 6, 11-28, is that a thin stratum of sand was tapped at 240 feet, that gave about two barrels of good oil per day. This well is being watched with great interest on account of its being twenty-four miles west of any that has yet been drilled.

TEHAMA.

News from the well of the Corning Oil and Gas company is not much different from that of last week. The drill is down 1035 feet and in sandstone. Drilling has been suspended for a few days for the purpose of putting in more casing; formation and indications continue satisfactory.

VENTURA.

The Westlake-Rommel company has purchased the holdings of Astarte, and have installed three rigs.

The attempt of the Memphis company to find oil in its first well has not been successful, and the search will be taken up in well No. 2.

Just north of the Loma Vista company the Windsor has lost the drilling tools in well No. 1 and will be compelled to give up the search. Well No. 2 will be started this week.

Among the successful ones in the field is the Pure company, which is now bailing from thirty to thirty-five barrels of 32-gravity from its first well, now down 1900 feet. The company is not satisfied with this well, and will send it deeper, 2500 feet, if necessary.

On the northwest end of the field the Sobra Vista company has commenced work on No. 2, after having been compelled to abandon the search for the deep stratum. The casing has been pulled in No. 1, and the hole plugged at 750 feet, and it is reported oil is now being pumped from the first sand.

On the Langdell-Newmark-Rowan property a second attempt is being made to find oil. Well No. 1 was sent down 1300 feet, and No. 2 is now almost 600 feet to the good. Strange though it may seem, it is reported that the formation of the second hole, which is close to No. 1, is entirely different from that encountered in the first.

The Empire Oil company has just erected a rig on the center of section 14, between the Loma Vista and the O'Hara wells. Twenty years ago this was the property of the Star Oil company, and for many years was held by the Standard Oil company. At one time a tunnel was driven in the side of the mountain, and in it are traces of oil.

The Santa Paula Gravity Oil company operating in this county is pushing development work quite rapidly. Well No. 1 is proving itself to be better than the most sanguine expectations. It proves that this company is in the heart of a basin of the best oil in the west. At the present rate of development we predict quick returns to investors in this company.

KERN.

The Suffolk, a company organized in Boston, is soon to begin drilling on section 18, 32-24, and on section 34, 23-32.

It is reported that the New Puritan, operating in McKittrick, has struck a dry hole and has suspended operations.

J. F. Elwood, the Bakersfield operator, has shipped a rig and gang of drillers to Tia Juana, Lower California, where he will prospect for oil.

Reed Crude will begin drilling another well on section 32 this month. This company has done no development work for several months.

The "19" Oil company has let the contract to drill a well on its property in Kern River to Hickey & Vizie. The material is being drawn to the location today.

The San Joaquin will stop development work as soon as the three holes now being drilled are completed. The company will then have twenty-three producing wells.

Work on well No. 1 of the Hart Crude is progressing satisfactorily. The company has recently completed a good water well which will facilitate development work. The drill will begin falling for well No. 2 the first of next week.

The pipe for the Chanslor & Canfield Midway water pipe line is expected to arrive this week. The work of laying the pipe will be begun as soon as the material is placed on the ground.

The Temblor district is apparently the busiest field in the county now. It is said that a dozen or more new companies have recently moved into the district and are now preparing to begin development work. The Midway and Sunset districts are rather quiet.

Aztec is laying three hundred feet of siding this week to its loading racks recently completed in the Kern River field. The track will be finished within a few days and the company will then be in a position to handle its production without delay.

The Stevenson company, composed of Indianapolis capital, will begin development work on section 19, 28-28, soon. A. S. Butterworth of the Henrietta and Olema companies will act as superintendent for the company.

The Kern Oil Oil Development company finished a well at 1210 feet yesterday on property leased from the Chicago Crude in Kern River. This is the first w ll the comprny has completed, and from all indications it will be as good a producer as there is in the section. The casing will be perforated at once, after which the well will be put on the pump and its value ascertained.

SANTA BARBARA.

The Elizalde Oil company, operating in the north of this county, has been shut down for several days. The delay in drilling is caused by an unexpected wait for material shipped some time ago from the East.

(Continued from page 5.)

PROGRESS AT COALINGA.

The Corona Oil company is still shut down and no work has been done thereon for some time. A lot of heavy drive pipe has been ordered, and when received drilling will be resumed.

The Wisconsin Oil company is pulling up the casing from its first and only well. Whether drilling will be resumed on the property here or the machinery be taken to another field is not announced.

The Star Oil company, well down in the hills, is pulling out its casing.

The Minnesota Oil company is also pulling casing.

The Carmelita Oil company's first well has reached a depth of 1500 feet, the distance that the company contracted for with E. R. Snyder, the well known driller and contractor. There are 1200 feet of casing and 300 feet of heavy drill pipe.

Nothing is doing at present at the Caribou Oil company's property and no further drilling will be done at present. The company has three good wells, only one of which, however, is under the pump. The Caribou people hope to get to use the pipe line of the California Oil Fields company when that big company gets to shipping oil.

It is reported that the Investment Oil company, which has been shut down for some time, is soon to resume operations.

The Springville Oil company has a derrick up on section 33 and it is reported that the company will have a drilling rig at work shortly.

The Double Eagle is the name of a new company in this field. It has a new drilling outfit on the ground and on or about July 1st will begin drilling on section 33.

The Westlake-Rommel Oil company on section 2, near Alcalde, is down 900 feet in its second well. The loss of a stem and bit in the hole is now giving them trouble.

The Merced Oil company will at once resume drilling on its well No. 1. A pipe line will be laid from the camp of the California Oil Fields company to the Merced, to carry Valley water over to Merced camp.

The Mt. Hamilton Oil company, of Santa Clara county, is putting in a drilling rig on section 13, 21-14, half a mile from Alcalde. The derrick is now up and the drilling rig is being hauled in.

BAKERSFIELD OIL EXCHANGE.

Work Begun on Erection of New Building.

Work preparatory to the erection of the new Stock Exchange building on the corner of Nineteenth and H streets in Bakersfield was commenced last Saturday morning. Teams and a force of men were kept busy breaking ground for the foundations and if all works well the building will be ready for occupancy about the first of the coming year. It is provided in the contract let to Ellis & Brown, that the structure shall be completed by November 16th, but those interested are of the opinion that it will be some weeks later before it is ready for occupancy.

According to the Californian, the building, including the erection of the two electric elevators, will cost in the neighborhood of $50,000. The lumber to be used in the building is on hand, and the compressed brick for the walls and finishings are prepared and ready for use. The bricks are buff in color and the brick work will be done under the supervision of Los Angeles contractors. The structure will be an ornament to the city.

The main floor of the building has an elevation of about five feet which gives a high basement containing six large offices with good light. The main floor is divided by a wide hall running back to the center of the building where large doors open into the stock room and offices. On either side of the hall are five handsome offices which will be occupied by oil companies. The building will contain two electric elevators located in the center of a double staircase. The second floor is devoted entirely to offices. The Stock Exchange club will be located on the third floor. It will have a private dining room, library, reading room, buffet, billiard room, card rooms, ladies' refiring room and other apartments. The fourth floor has been arranged for sleeping apartments for members, each room containing a bath.

The roof garden was designed by President Bunting and is arranged in most attractive form. There will be a railing of about four feet upon which palms will be placed at regular intervals.

We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

On May 27 our stock will advance to 25c.

First well completed about June 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed.

Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.

T. A. KIRKPATRICK, Secretary.

HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.

First National Bank of San Francisco, Depository.

Over this will be arches with festoons of electric lights. There will be a stage where musical and other entertainments will be given during the summer months and when the roof garden is in season, refreshments will be served there the same as in the cafe. The kitchen will be in the rear on the roof and service down to the club will be through dumb waiters.

There are two hundred seats on the exchange and every membership has been spoken for.

The incorporators are among the best known men of the state, are identified with the oil interest and to them will be accredited, in part, the honor of making Bakersfield the center of one of the largest oil producing districts of the world. The president of the exchange is John A. Bunting, president of the San Joaquin Oil & Development company. Solomon Jewett is known to the financial world as president of the Kern Valley bank of Bakersfield, one of the oldest and wealthiest financial institutions in Kern county. He is also senior partner in the firm of Jewett & Blodgett (known as the Jewett & Blodgett Oil company) who are among the oldest producers and refiners of oil in the Kern county oil fields, having been successfully engaged in the Sunset Oil district for about eleven years. Clarence J. Berry is one of the incorporators. He is largely interested in the Kern River and McKittrick oil fields and is known as the "Klondike King." Another incorporator is C. S. Young, a large dealer in oil lands in the state. He is also a popular member of the Producers' Oil Exchange in San Francisco. H. A. Blodgett, another incorporator is well known in financial circles as is Dr. G. A. Hare of Fresno.

OIL SUIT ENDED.

Termination of Case of California Oil and Gas Company.

In a brief opinion rendered in Los Angeles recently Judge Wellborn of the United States Circuit Court practically decides a case involving the real or alleged right of contending parties to 160 acres of oil lands in the Coalinga field, n the western part of Fresno county.

There is now no recourse except an appeal to the United States Supreme Court, which may be done in order to dispose forever, f possible, of the question of ownership, the title now being clouded. The case is important to investors and the unwary, as illustrating one of the dangers that underlie oil land speculation.

The case is entitled California Oil and Gas Company of Arizona vs. E. O. Miller and New York Oil Company, in which an injunction was asked, and that the title should be quieted. In reply the court sustained the demurrer to the second amended bill of complaint, and dismissed the case for lack of jurisdiction.

The land involved is the SW ¼ of section 20, township 19, range 15, M. D. M. In 1890 it was filed on as a placer claim by eight persons, who later transferred it to the Coast Range Oil Company, which in turn sold it to the California Oil and Gas Company, plaintiff in this action. In October, 1891, eight new locators appeared on the scene, and as the land looked good they in turn filed an oil location on it. In 1898, four of this lot sold their "interests" to the plaintiff, the other four consenting to the transfer. It is alleged as a feature of the tangled ownership of the land that the Coast Range Oil Company failed to perform its assessment work in 1892, and as a consequence eight entirely new parties went in and located on the already overclaimed land in 1893.

In August, 1898, one of these men, Gen. W. H. H. Hart, now president of the plaintiff company, sold his interest to the company. Early in the following October he gathered together seven more friends, filed a new location on the land, and later they all sold their interests to the plaintiff company. Still later in the same month his former seven partners sold their interests to the company also.

Strange to relate, another batch of eight people had, according to to custom, made a location of their own on the now famous land in 1895. This is called a "pretended" location by the plaintiff in this case, but nevertheless these pretenders assigned their rights to the Producers' and Consumers' Oil Company, which sold out to E. O. Miller in 1896.

The complaint alleges that in the same year, in order to avoid the cost of the assessment work for that year, Miller quit-claimed the land to the government in order to have a chance to relocate it with seven other citizens of Visalia, which was done December 31, 1896. In the following August these seven partners sold out to Miller and then he leased the land to the New York Oil Company.

Instead of going to the State courts to find just who did not own that famous 160 acres, the California Oil and Gas Company asked the Federal Court for an injunction to prevent Miller et al from boring in the ground for oil. Miller demurred to the original bill of complaint on the ground that no equity question was involved, making the point that the court had no jurisdiction. This demurrer was sustained and a second amended bill of complaint was filed, on leave to amend. A second demurrer was filed by Miller on "lack of jurisdiction," and this demurrer was sustained a second time for the same reason, and the case dismissed, after having been on the docket for almost four years.

$10 WILL EARN $100

In addition to our operations in the oil fields of California, we are now heavily interested in Texas, and our investors are receiving double advantages. We will earn

BIG MONEY

for our certificate holders this month, and it will pay conservative people to write us at once. Let us tell you what our investors say about us.

Standard Oil Promotion and Investment Company

575-576-577 Parrott Bldg.,

SAN FRANCISCO.

16,400 ACRES OF PROMISING OIL LANDS

In San Bernardino County, California.

are offered at a bargain. These lands have been most carefully selected by the best Oil Experts, and samples of the oil received therefrom indicate the highest quality. Besides oil, important mineral deposits have been disclosed, offering exceptional opportunity to a syndicate to push development on a most profitable basis.

On this land are oil seepages and outcroppings of the finest looking oil sands and shales, also deposits of nitre, borax, and in another part gold and copper ledges of unknown extent, all of which gives these locations a high prospective value.

Mr. M. L. Cook, County Surveyor of San Bernardino County writes regarding these lands:

"DEAR SIR:—Your communication of the 5th at hand. You ask me what my opinion is of the territory you have located for oil lands in the section of the country I have recently surveyed for you. I will state that I have gone over the entire territory and during the past two months have surveyed and examined the country along the entire length of this particular oil belt in which your locations are situated. I can state that your territory is as good as any located thereon, and I consider it superior to the country near what is known as the Black Ranch or the Hiawatha fields. I will further state that I was in the country early, and had my choice of ground, and I selected the same locality in which you have located, and I can also state that the company in which I am interested intend to put down a well on the ground immediately adjoining the lands which you have located The lands which I surveyed for you contain 16,400 acres."

FOR FURTHER PARTICULARS ADDRESS:

W. A. FOURNESS

MINING AND CONSULTING ENGINEER

228-229 PARROTT BLDG., SAN FRANCISCO, CAL.

Oil Prospectuses

Booklets, Stock Certificates, Letterheads, Envelopes, Dodgers, Letter Circulars, etc.,

Printed at short notice and at reasonable prices.

Pacific Oil Reporter Job Office

Rooms 31, 32 and 33

318 Pine Street, San Francisco

A Safe Company.

For a rising in assessable stock of value, although the company may be in its infancy as yet, a safe concern is the Standard Rock Oil company of McKittrick, which owns also choice oil lands in Coalinga and Napa valley. Their lands in McKittrick are undoubtedly proven, as any layman can see by the map. This southwest corner of section 1, township 30 south, range 21 east is literally surrounded by large producers in all directions and in this locality it cannot be a question of striking oil, but of how many 100 barrels per day, the same as the McKittrick Oil company's and the Kern River Oil company's, whose shares are worth today on a very much depressed market $9 to $11 each. The Standard Rock has been known locally by brokers and newspapers alike as the "Reliable and Strictly Legitimate" and this is fully sufficient evidence of the standing and reputation of this good company. They also own eighty acres in Coalinga near the Home Oil company, whose shares as every oil man knows, have sold as high as $5000 each, and own 160 acres in Napa valley adjoining the only oil well there. The company has a derrick erected in McKittrick and although the contract is let to complete the well within sixty days, will not hurry matters until the market for the oil is more settled and a good price for it can be realized at the well. This is the only reason why stock of this solid company can be still bought at 20 cents per share, which price will not last more than three or four weeks at the utmost, when no doubt it will go to 50 cents per share. Full information can be had at the "Standard Rock's" offices at 475-76 Parrott building, San Francisco.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

Silver Star.

At a depth of 250 feet the Silver Star is in a stratum of oil sand. To what depth it extends will be shown by the drill. This company is operating within a short distance of the Dabney wells, which are of the best. Work is being pushed energetically, and barring mishaps they should have a producing well within a short time.

WANTED.

A good second-hand Standard Rig. Address:

FLASHLIGHT OIL CO.,
23 Columbian Bldg., S. F.

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending July 2:

FOUR OIL.		
300 at	36	108 00
200 (B60) at	36	72 00
1000 at	35	350 00
HANFORD.		
3(B60) at	95 00	285 00
HANFORD-FRESNO-KERN RIVER.		
200 at	10	20 00
KERN.		
100 at	5 12½	512 50
LION.		
5000 at	12	600 00
2000 (B60) at	14	280 00
2000 (B60) at	13	260 00
2000 (S30) at	12	240 00
MONTE CRISTO.		
100 at	2 00	200 00
MONARCH OF ARIZONA.		
200 at	34	68 00
200 at	33	66 00
PETROLEUM CENTER.		
8000 at	06	480 00
PEERLESS.		
75 at	4 95	371 45
38 at	5 00	190 00
25 at	4 75	118 75
10 at	4 87½	48 75
REED CRUDE.		
1000 at	43	430 00
OCCIDENTAL OF W. VA.		
100 at	48	48 00
100 at	46	46 00
200 at	49	98 00
SAN JOAQUIN.		
100 at	7 87½	787 50
10 at	8 00	80 00
125 at	8 25	1031 25
STERLING.		
100 at	1 27½	127 50
300 at	1 35	405 00
100 at	1 37½	137 50
200 at	1 30	260 00

Shares 13,886 Amount $7,611.20

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Tuesday, July 2:

AZTEC.		
30 at	1 25	37 50
BEAR FLAG.		
1600 at	06	96 00
CENTRAL PT. CON.		
100 at	1 60	160 00
CALIFORNIA STANDARD.		
1050 at	26	273 00
CARIBOU.		
100 at	70	70 00
200 at	72	144 00
700 at	75	525 00
FOUR OIL CO.		
1000 at	36	360 00
950 at	35	332 50
HANFORD.		
1 at	95 00	95 00
7 (S90) at	91 00	637 00
4 at	93 00	372 00
HOME OIL.		
250(S30) at	2 15	537 50
100(B30) at	2 20	220 00
250 at	2 20	550 00
150 at	2 25	337 50
INDEPENDENCE.		
500 at	12	60 00
JUNCTION.		
500 (B10) at	16	80 00
100 at	18	18 00
900 at	15	135 00
2000 at	14	280 00
KERN.		
25 at	5 25	131 25
443 at	5 00	3215 00
LION.		
1500 at	11	165 00
1000 at	12	120 00
MONARCH OF ARIZONA.		
700 at	34	238 00
800 at	30	240 00
600 at	31	186 00
MONTE CRISTO.		
200 at	2 00	400 00
OIL CITY PETROLEUM.		
200 at	28	56 00
OCCIDENTAL OF W. VA.		
530 at	50	265 00
PEERLESS.		
70 at	5 00	350 00
60 at	4 75	285 00
50 at	4 90	245 00
SOVEREIGN.		
100 at	29	29 00
1000 at	30	300 00
SAN JOAQUIN.		
10 (B10) at	8 00	80 00
10 at	7 75	77 50
25 at	8 00	200 00
STERLING.		
200 at	1 27½	255 00
725 at	1 35	978 75
375 at	1 37½	515 62½
TWENTY-EIGHT		
100 at	1 20	120 00

Shares 15,915 Amount $13,752.12½

ANNUAL MEETING.

Notice is hereby given that the annual meeting of the Wild Goose Oil Company will be held in the office of the company, room 15, Nevada Block, 309 Montgomery street, San Francisco, Cal, on Friday, July 19, 1901, at 2 o'clock P. M., for the purpose of electing a Board of Directors to serve for the ensuing year, and the transaction of such other business as may properly come before the meeting. The books of the company will be closed on Tuesday, July 16, 1901.

A. P. SWAIN, Secretary.

San Francisco, June 28, 1901.

Pacific Coast Underwriting Company.

Incorporate companies; furnish everything complete.

Sell interest-bearing Gold Bonds.

Underwrite stocks.

Buy and sell Oil Lands.

Handle all kinds of mining properties.

Promote any legitimate enterprise.

Information furnished investors regarding Pacific Coast Corporations. Address,

Main Office, 507-8-9 Parrott Bldg. San Francisco, Cal.

FOR SALE CHEAP.—A good Standard Drilling rig with two strings of tools. Wagons, galvanized wagon tanks, second-hand 9⅝ and 7⅝ casing. Lot of good lumber, dishes, stoves, etc. Everything in good order.

Box 77, McKittrick, Cal.

South Dakota Charters

Send your Incorporation Papers to me. I will see that your Charter is all right.

I have handled all the applications for Charters for several years in the Secretary of State's Office, and know what is wanted.

PHILIP LAWRENCE,

Late Assistant Secretary of State,

Pierre, Hughes Co., S. Dakota

When you want to swear go to

LEE D. CRAIG

Notary Public and

Commissioner of Deeds

316 Montgomery St.

bet. California

and Pine, San Francisco.

LED F. WINCHELL

Oil Lands

Oil Stocks

Lands for sale and to lease. Also will deed in consideration of development work.

Room 16, 8th floor, Mills Bldg.

Tel. John 2186.

TEL. MAIN 5655.

R. Samson

Dealer In

Oil Stocks and Securities.

Orders Promptly Executed

Money advanced on approved Oil Stocks

Member Producers' Oil Exchange.

313 Montgomery St., San Francisco Cal.

OIL STOCKS

Bought and Sold by

JOSEPH B. TOPLITZ

Member

Producers' Oil Exchange.

330 PINE STREET, S. F.

Correspondence invited. Information on oil stocks furnished gratis.

OIL AND GOLD

Ventura Consolidated Crude Oil Company

Owns 2720 acres Oil Land and Valuable Leases with Producing Wells. Also fine Gold Mine. Limited amount of Treasury Stock at 10 cents per share. Best Stock Investment in the Market.

WANTED, AGENTS.

W. G. YOUNG & CO.,

Fiscal Agents.

628-30 Laughlin Bldg., Los Angeles, Cal

Alaska Gold Better Than Oil

Casa-de-Paga Placer Mining Co.

A limited amount of Treasury Stock for sale for a few days at 25c. per share.

Call or send for Prospectus.

J. S. EWEN Sec.,

123 CALIFORNIA STREET, Room 407

San Francisco, Cal.

SOUTH DAKOTA CHARTERS,

STOCK NON-ASSESSABLE

ALL COMPANY MATTERS

STOCKS GOLD-GUARANTEED

Pacific States Mining & Investment Company, 326 Post Street

Grafting for Suckers.

We have noticed recently in some eastern magazines full-page advertisements of the Santa Maria Oil Company. The ads show on their face to any one at all familiar with the oil business in California that they are "raw fakes" intended only to separate the investor from his coin. As they sell their shares for 25 cents now and agree to buy them back in four months for 30 cents. This cannot be done on an oil seepage alone; and that is what the company has—simply a hole dug to cover asssessment work.

As prime mover in the enterprise appears the name of Hon.(?) Bernard Marks, who will be remembered as the modern Moses who, a few years since, obtained an option on a lot of sagebrush and alkali land at Dos Palos, and brought a large number of colonists from the wildernesses of Iowa, Kansas and Nebraska to settle it up. In this connection, however, we will say that when Henry Miller, from whom Marks secured the land for the original Dos Palos Colony, found out the facts in the case he moved their buildings free of any charge to them, on to good lands where the colony is now located.

We are not "knocking" on any reliable oil proposition. When a man puts his money into a company to bore in undeveloped territory he takes a chance of losing it—that is legitimate speculation—but when he puts it into a company that agrees, out of a prospect hole, to give it back to him in four months, and add 20 per cent to it, there is no chance about it. He will be loser just what he puts up.—West Side Index.

But One Period.

The oil industry today is one of of the most profitable in the United States, and little of the element of speculation or chance peculiar to mining investments exists. It has been universally enormously profitable when oil lands lands have been located in proven districts and the production of oil assured.

There is, however, but one period in the existence of an oil company when the general public is invited to share its future profits, and that is in the period of its organization and developing work. Once oil is struck in paying quantities the gates are closed, and only those already within the charmed circle are allowed to share in the wealth-producing power of the wells.

The necessity of being alive to the opportunities that are presenting themselves in this age of progression and great development is unquestioned and those who are shrewd enough to grasp these various chances as they present themselves are the very few among the mutable many whose names become inscribed on the roll of success.

In a few days the remarkable offer of the Standard Consolidated Oil and Land Company will be discontinued and many will have lost the chance to make an investment in this company at ground floor prices. Investors have until the 13th day of July to obtain stock at 10 cents per share. So hurry in your orders and lay the foundation for large returns. This company has recently been elected a member of the California Petroleum Miners' Association.

Oil Companies Incorporated.

Ophir Oil company. Principal place of business, Florence, Ariz. Directors: J M Gardner, H R Hurlbutt and N J Manson. Capital stock $650,000.

California Star Oil company. Principal place of business, San Francisco. Directors: R D Davis, W M Sims, A E Bennett, R C Van Fleet and M A Kenny. Capital stock, $100,000; subscribed, $500.

Union Pacific Oil company. Principal place of business, San Francisco. Directors: W Wright, T A Pope, M Donovan, W Jordan, A W Litchie, C J Newman and A Smith. Capital stock, $600,000; subscribed, $35.

Green Oil Mining company. Principal place of business, Santa Paula, Ventura county. Directors: E H Orne, J B Titus, C E Ingolls, H C Henderson, W H Allen W J Little, A M Ransdell, all of Santa Paula. Capital stock, $20,000; subscribed, $700.

Prince Oil company. Principal place of business, San Diego. Directors: S G Ames, J S Lytle, J H Ames, A T Morrison and W R Guy. Capital stock, $200,000; subscribed, $1,000.

United States Oil company. (Missouri). Place of business, Kansas City, Mo. Capital stock, $100,000, all paid up. Directors: J G Mullenbach, J R Riggins, W S Woods, E O Noffat and W A Anderson. Branch office at Los Angeles.

California Oil Lands company. (New Jersey.) Capital stock, $100,000. Subscribers: Horace S Gould, E J Dudley and John I Billings.

Midway Oil company (Nevada). Place of business, Carson City. Directors: I Strassburger, T J Wrampelmeier. Capital stock, $100,000; subscribed, $75,000.

ARIZONA.

Mecca Oil company (Arizona). Place of business, Phoenix, with branch office at Los Angeles. Capital stock, $1,000,000. Incorporators: A R Rhea, L S Berry, C W Allen, A E Fraser and and J M Berry.

Pajaro Valley Oil company (Arizona). Principal place of business, Tucson, with main office at San Jose. Capital stock, $500,000. Directors: W K Jenkins, E H Adams, E R Bailey, W B Christmas and G H Salisbury, all of San Jose.

Kern County Oil Land.

The recent strike of the Grace Oil company in the southern portion of the Kern River district proves beyond a doubt that the oil belt is extending in a southerly direction. A very rich oil sand was struck at a depth of 1,300 feet, the oil obtained being of a lighter gravity than that found north and being of more value than the heavy oil which is the average output of the wells in this county.

This strike of the Grace Oil company has added very much to the value of the land south of the River, and land in this neighborhood which was formerly sold with difficulty at $25 an acre is now regarded as cheap at $150 or $200 an acre.

The Wizard Oil company, which is operating in section 26, 29-28 is down about 900 feet with the indications very favorable for oil.

The undersigned is offering land for sale in the sections adjoining that in which the Wizard Oil company is located. In spite of the fact that land all around is being sold at $200 an acre he will sell to oil companies who propose actual development work tracts of land at the rate of $110 an acre on easy terms.

Address, "LAND OWNER."
Care PACIFIC OIL REPORTER.

Calistoga Oil and Development Company

Owns by Purchase

and holds by long-term leases, in all

2120 Acres of Oil Land

Situated in **NINE DISTRICTS** in six counties of California. This is a sweeping statement, but our prospectus explains in detail. Write for a copy and carefully analyze our plan. We are the pioneer drillers in Napa County where **LUBRICATING OIL** is found in numerous springs. Our first well, commenced May 15, 1901, when completed, will put on stock above par. You can buy for a short time a limited amount of stock at **50c.**

Procrastination may deny you an income.

Better write to-day.

Office 23 and 24 Merchants' Exchange

SAN FRANCISCO, CAL.

Buy Pacific Petroleum

This is good advice because **Pacific Petroleum Company, Limited,** is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the sole purpose of the

PAYMENT OF DIVIDENDS.

The lands of this company are located in the Devil's Den Oil District of Kern County, where a much higher grade of Petroleum has been developed than is found in the famous Kern River fields, and is pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, we are actually at work. We have no promoter's stock and are selling only treasury stock, every dollar of which goes into the development fund, which is held intact to pay for drilling operations only.

25,000 more shares at 5c per share. Stock may be withdrawn from public sale on July 1st. This is an opportunity for you to share in the profits of a well-located and entirely legitimate business enterprise. Buy now. This is a sure, safe investment. Send all applications to

PACIFIC PETROLEUM CO., LTD.

PAUL R. LEWIS, Secretary,

Room 210 Hearst (Examiner) Building, San Francisco.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco

OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

LAST CHANCE

To buy Land South of Kern River in

29-28 at $110

per Acre.

This offer is made only until July 15th.

Address LANDOWNER,
Care Pacific Oil Reporter.

OIL ASSOCIATION.

Set of By-Laws Adopted this Week by the Directors.

On Monday last, the Directors of the California Petroleum Miners' Association met at their rooms in the Mills Building and adopted the following by-laws:

ARTICLE I.

NAME.

The name of this corporation shall be the California Petroleum Miners' Association.

ARTICLE II.

OBJECTS.

The purposes for which this association is formed are:

Sec. 1. To promote and encourage the petroleum industry in California.

Sec. 2. To assist in securing such National and State legislation as will best protect the petroleum interests of California.

Sec. 3. To create a bureau of information regarding the oil territory of California, and to furnish information and afford protection to inquiring investors.

Sec. 4. To disseminate knowledge of the petroleum industry through the press, and by public meetings or the literature of the association.

Sec. 5. To maintain by all proper means the integrity of the petroleum business of the State of California.

Sec. 6. To discourage all resort to unbusiness like methods in the production of oil and manipulation of oil stocks.

Sec. 7. To employ competent legal service, when necessary to protect the oil industry of this state or to maintain the rights of the members of this association.

Sec. 8. To provide suitable headquarters for the members of this association where proper information may be disseminated relative to the petroleum interests of California

Sec. 9. To do any and all acts necessary and proper to carry out the purposes aforesaid, and to acquire and hold all property of every kind necessary, proper or convenient for any and all purposes, and to receive gifts, donations, legacies and bequests of all kinds.

ARTICLE III.

MEMBERSHIP.

Sec. 1. On payment of the regular entrance fees and dues, all persons, firms or corporations friendly to the oil industry of California, who are in good standing in the community, may become members by submitting their names to this association and being elected by the board of directors. All members shall be requested to sign the by-laws.

Sec. 2. In the case of corporation members, any officer of the corporation may subscribe the name of such corporation to the by-laws.

Sec. 3. The annual membership dues of this association shall be as follows: Firms or corporations shall pay twenty-five dollars ($25) per annum in advance; all individual members, twelve dollars ($12) per annum, to be paid quarterly in advance. Any member delinquent for dues over thirty days may be dropped from the association.

Sec. 4. Each member shall pay an entrance fee of $10.

Sec. 5. Any member of the association may be removed from membership for conduct unworthy of a member of the association, by a majority vote of all the members of the board of directors, at a meeting called for that purpose, of which meeting the accused member shall receive ten days' notice, and shall have a right to be heard in explanation of alleged unworthy conduct; provided that any member of the association may be dropped, by a like majority vote of all the members of the board of directors, at any time, and without any hearing, upon the return to such member of a pro rata of his annual dues for the remainder of the time for which they may have been paid.

ARTICLE IV.

OFFICERS.

Sec. 1. This association shall, at its annual meeting elect eleven of its members to act as a board of directors, who shall from their number elect a president, first vice-president, second vice-president and third vice-president. The board shall also elect a treasurer and a secretary, who may or may not be members.

Sec. 2. The board of directors shall hold regular meetings once a week and special or executive meetings as often as called by the president or any three directors.

Six members shall constitute a quorum at the meetings of the board of directors.

Sec. 3. Each officer shall serve without remuneration, except the secretary or assistant secretary, whose salary shall be fixed by the board of directors.

Sec. 4 The regular weekly meeting of the board of directors shall be held at the rooms of the association in the City and County of San Francisco, on such day and at such hour as may be determined by the board of directors and no notice thereof need be given.

Sec. 5. Special meetings may be called at any time by the president or any three directors.

Sec. 6. Each director shall register his business address in San Francisco with the secretary, and notice of special meetings may be given, by notice in writing left at such address at least four hours prior to the time of the meeting, or by notice in writing mailed to such address at least twenty-four hours prior to time of meeting, or by telephone communication with such address at least four hours prior to the time of meeting.

ARTICLE V.

MANAGEMENT.

Sec. 1. The headquarters of this association shall be at the City and County of San Francisco.

Sec. 2. The management of this association shall be vested in the board of directors, and the appropriation of all moneys for the necessary expenses of the association shall be made by the board of directors.

Sec. 3. All disbursements shall be made by a draft drawn on the Treasurer by the Secretary and countersigned by the President.

ARTICLE VI.

PRESIDENT.

Sec. 1. The President shall preside at all meetings of the Association and of the Board of Directors. He shall sign all warrants on the Treasurer for the payment of money, and have general supervision over all the affairs of the Association.

Sec. 2. In the absence of the President, the First Vice-President, and in his absence the Second Vice-President, and in his absence the Third Vice-President shall preside at the meetings of the Association and of the Board of Directors, and shall perform all the duties of the President.

ARTICLE VII.

SECRETARY.

Sec. 1. The duties of the Secretary shall be such as may be assigned him from time to time by the Board of Directors, or any committee of that body. He shall keep correct minutes of al meetings; also keep the accounts and receive all moneys paid to the Association and shall immediately turn them over to the Treasurer, taking his receipt for the same. He shall make drafts on the Treasurer to cover all disbursements.

ARTICLE VIII.

TREASURER.

Sec. 1. The Treasurer shall have

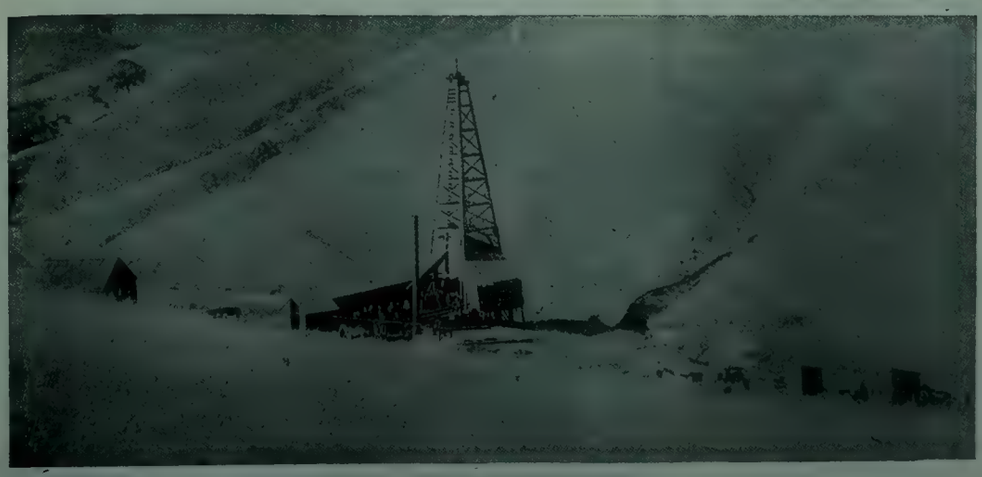
25 Cents Per Share

Derrick Is Now Being Erected for Our First Well

25 Cents Per Share

THE FRUIT VALE PARAFFINE OIL COMPANY

Incorporated with a strong directorate under the laws of South Dakota. Capital stock, 250,000 shares. Par value $1.00 per share—150,000 shares in the treasury. A leading geologist says: "I consider this company is to develop a long neglected Bonanza." Only a very limited amount of stock to be sold. For information write to



THE FRUIT VALE PARAFFINE OIL COMPANY

.....OFFICES.....

Stock Non-Assessable

Rooms 11-12
1008½ Broadway
Oakland, Cal

Room 13
5th Floor Mills Building
San Francisco

Stock Non-Assessable

charge of the funds of the Association and keep a regular account thereof, subject to the inspection of the Board of Directors. He shall pay only such warrants as are countersigned by the President and signed by the Secretary. He shall give bonds as the Board of Directors may direct.

ARTICLE IX.

BOARD OF DIRECTORS.

Sec. 1. The Board of Directors shall have general supervision of all matters that come before the Association, and shall do what they deem in their judgment proper. They may adopt such other rules and regulations for the government of the Association as they may deem advisable.

Sec. 2. The Directors shall be exempt from the payment of entrance fee and annual dues.

ARTICLE X.

MEMBERSHIP COMMITTEE.

Sec. 1. The Membership Committee shall consist of three members who shall examine each application and report the result of their examination to the Board of Directors for action.

ARTICLE XI.

LEGISLATIVE COMMITTEE.

Sec. 1. The Legislative Committee shall consist of three members who shall have charge of all legal and legislative matters, and shall act under the instruction of the Board of Directors.

ARTICLE XII.

FINANCE COMMITTEE.

Sec. 1. The Finance Committee shall consist of three members who shall audit and approve all demands against the Association before said demands shall be paid and shall have general supervision of the financial affairs of this association.

ARTICLE XIII.

ADJOURNMENTS.

Sec. 1. In the absence of a quorum at any meeting of the Association or of the Board of Directors, the members present shall have the right to adjourn such meetings from time to time until a quorum shall be obtained.

ARTICLE XIV.

APPOINTMENT OF COMMITTEES.

Sec. 1. Unless otherwise ordered, the President shall appoint all committees of this Association.

ARTICLE XV.

VACANCIES.

Sec. 1. Vacancies in the Board of Directors shall be filled by the other Directors in office, and such persons shall hold office until the first annual meeting of the members thereafter.

ARTICLE XVI.

MEETINGS.

The annual meeting of the members shall be held in San Francisco on the first Tuesday in June, in each year, and no notice thereof need be given except a notice in writing by the Secretary delivered to each member personally, or deposited in the U. S. mail addressed to each at least ten days prior to the day of meeting. Special meetings of the members may be called at any time by the Board of Directors and notice thereof shall be given in like manner at least three days prior to the day of meeting.

No meeting of members shall be competent to transact business unless one-third of the total number of members shall be represented, except to adjourn from time to time.

At such annual meeting of the members, Directors for the ensuing year shall be elected by ballot, to serve for one year and until their successors are elected. If, however, for want of a quorum or other cause a member's meeting shall not be held on the day above named, or should the members fail to complete their elections or such other business as may be presented for their consideration, those present may adjourn from time to time, until the same shall be accomplished.

At any meeting of the members of said Association, one-third of the total number of members shall constitute a quorum, and an election of officers of the corporation by a meeting so constituted shall be as valid as if made at an election at which a majority of the members of the corporation were present and voted.

ARTICLE XVII.

PROXIES.

At all meetings of the members of the Association, any member may be present and participate by proxy, and in the case of firm or corporation members any officer or representative of the firm or corporation who shall be present, may cast the vote of such firm or corporation without any proxy in writing, but no corporation shall have more than one vote and in case several officers of the firm or corporation are present, the senior officer present according to the following order, viz: President, Vice-president, Manager, Secretary, Treasurer, shall have the right to cast the vote of said firm or corporation; or such firm or corporation may be represented by any person duly appointed its proxy, and evidenced by a proxy in writing, signed by any officer of the firm or corporation.

ARTICLE XVIII.

AMENDMENTS.

The By-Laws may be altered or amended at any meeting of the members by a majority of the members represented at such meeting or by a two-thirds vote of the whole number of the Board of Directors to be ratified by the first meeting of the members thereafter.

Fine Water Well.

The Superior Extension water well on section 28, 32 24, Sunset, is now supplying sixteen camps with water, and could easily accommodate a still greater number if it were necessary. The company has not yet determined the possible production of the well, but from the test already made the well has more than come up to all expectations, and has proven beyond a doubt that there is an abundant supply of water near the surface for the operators in the field.—Bakersfield Echo.

SECOND-HAND half-inch steel sand-pump line 1400 feet long for sale cheap. Address NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland, or F. CHAPELLET, 214 Pine Street, San Francisco.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell

WORK HAS COMMENCED The machinery is now in place and water connection being made and drilling will begin at once.

FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

OIL

On All Sides of the Arroyo Seco Oil and Development Company's Lands

OIL

Within the last thirty days five companies have struck oil whose property adjoins ours.

Our first well drilling; down 200 feet in two weeks.

Incorporated under the laws of Arizona, which makes the stock of the company absolutely non-assessable.

Capital stock $500,000. 500,000 shares. Par value, $1.00 each. 720 acres of land are located in the famous Arroyo Seco and Veratina Districts of Monterey County, California. Active development work will be started at once. Oil has been struck on all sides of our lands.

Now is the time to invest. Don't wait until the stock gets beyond your reach. Live agents wanted in every town in the United States.

REFERENCES:

First National Bank, S. F. Crocker Woolworth National Bank, S. F. California Petroleum Miners' Association, S. F. "Bonds and Mortgages," Chicago, Ill.

For further information, address

The Arroyo Seco Oil and Development Company was organized to develop lands for oil, and was incorporated on December 27, 1900, under the laws of Arizona. Under those laws the stock is non-assessable, and the private property of its stockholders is exempt from corporate debt. The lands of the company were selected in small tracts in different localities in order to obtain the benefit of the increased value accruing from development of other lands near us by other companies. The property of the company consists of 1160 acres situated in Monterey county, California, south and west of the Salinas river, about eight miles from Soledad, in the Arroyo Seco District; in the Veratina and Hames Valley Districts, about seven miles from Bradley; and in the San Ardo District, about five miles from San Ardo. The districts named are school districts, and the towns mentioned are on the coast line of the Southern Pacific Railroad. The land is owned by the company free and clear of all incumbrance. A map of our properties will be cheerfully forwarded on application. On December 31, 1900, the board of directors authorized the sale of 50,000 shares of stock. On January 15, 1901, and before the company's prospectus was issued, most of the stock was already sold. Another 50,000 shares will be offered at a price to be fixed by the board. From these sales it is calculated ample funds will be obtained to complete the work proposed, as herein stated.

H. R. EARLE, Secretary

480-481 PARROTT BUILDING, SAN FRANCISCO.

Watch for Reports of

Kern Valley Oil Co. 1st of July

If you are a stockholder increase your holdings. If you are not a stockholder buy now while you may.

Office: Room 13, 5th Floor, Mills Building.

Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.

Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

ATLAS PIPE WRENCH CO 51 Flood Building, San Francisco.

New York Office, 121 Liberty Street Works, New Haven, Conn.

Webster Iron Works

DEPARTMENTS:

MACHINE SHOPS FOUNDRY
BLACKSMITH SHOP PATTERN SHOP

MINING, MILLING and MACHINE CASTINGS

Rig Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

Telephone 341 21st and I Streets. P O. Box 463
BAKERSFIELD, CAL.

Lacy Manufacturing Company

Manufacturers of

Steel Water Pipe
General Sheet
Iron Works

OIL STORAGE AND WAGON TANKS

Oil Well Casing Oil Stills

Works: Cor. New Main and Date streets. P. O. Box 231
Telephone, Main 196. Baker Block. Station C

Office, 334 North Main Street, Los Angeles, Cal.

AMERICAN STEEL AND WIRE CM'PY

Pacific Works

The only Wire Rope Factory on the Pacific Coast.

We make
Wire Ropes, Cable and Hawsers

For all purposes and with every possible combination of Wires, steel and iron, galvanized or plain.

Wire Ropes
Of all Kinds
For Oil Well
Purposes

And all fixtures and appliances for the use of Wire Rope

Send your orders to

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LOS ANGELES—No. 206 North Los Angeles St.
SAN FRANCISCO—No. 8 & 10 Pine St.

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(BOSTON BRAND)

Line Pipe
Steam Pumps
Valves and Fittings
Belting

Crane Co.

H. T. LALLY, Manager

23-25 FIRST ST.
24 FREMONT ST.

San Francisco, Cal

The Barrett Oil Well Swivel Wrench

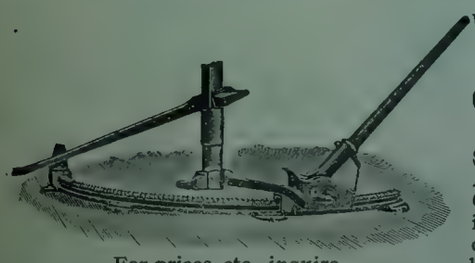
For carrying and placing bits in drilling stem boxes

Drilllers, to be successful, should use the best and latest appliances as it is LABOR, TIME AND MONEY SAVED.

It is only necessy to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.

—MANUFACTURED BY—

J. BARRETT, Allegheny, Pa.



For prices etc., inquire

W. FORGIE

Manufacturer

OIL & GAS WELL
RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

D. HOOKER, Los Angeles, Cal., W. FORGIE, Washington, Pa.

Oil Well Drilling Engine.

Parke & Lacy Co.

SAN FRANCISCO, CAL. BAKERSFIELD, CAL.

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BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin secretary. 667 Market street, San Francisco, Cal.

CYGNET PETROLEUM CO
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J F Morris.
Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GRAND PACIFIC OIL CO.
Capital.....$1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Holland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., F. P. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maitly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository Office at Monterey City, Cal.

OCCIDENTAL OIL CO. OF WEST VIRGINIA
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Coalking, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company. Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield, Cal.

THE RAVEN OIL COMPANY.
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River, district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn, W. W. Hutchinson, Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
This is our property—2140 acres, Kern county; 134 acres, San Diego county; 320 acres, Glenn county; 800 acres, Tehama county; 4860 acres, San Benito county; 140 acres, Monterey county; 800 acres, Fresno county; 400 acres, Humboldt county—9594 acres.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; Union Trust company, treasurer; W E Robinson, Springfield Ill., Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 228 A street; Portland, Ore, McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco, Cal

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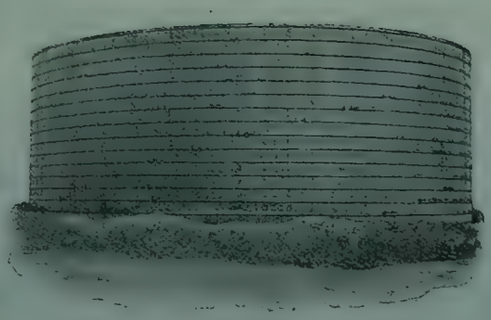

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The directors have put 20,000 shares on the market at 15 cents per share, but reserve the right to withdraw the same and advance the price at any time without notice. Write to

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R. K. ROBERTS, Secretary
312 Emma Spreckels Building
San Francisco, Cal.

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STATE

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VOLUME 2 NUMBER 36

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, JULY 12, 1901.

SPECIAL | SPECIAL

No More

Famoso Stock at 50c per Share will be Sold After This Offering of 15,000 Shares is Closed Out.

It is going rapidly. Well No. 3 completed. Will soon commence No. 4 and continue with same push and energy until we have completed fifteen wells. We are now known as one of the large producing companies. We have been in the field only four and one-half months and have three of the best oil wells in the state. We are about to close a large contract for the sale of oil, which, if completed, will put us in the list of dividend-paying companies. All moneys received by us are an actual asset of the stockholders, as they are honestly disbursed and made to count as such.

One Word to Investors

The officers of this company have taken the precaution of placing nothing but concise business propositions to you, knowing that in doing so it has appealed to the intelligent investor.

An Opportunity

With our friends and patrons we have had pleasant business relations. Who can realize the feelings of a man who, after struggling long against adversity, suddenly finds himself placed by some turn of fortune in a competency, even in luxury? Such occurrences are by no means rare—they are daily. Close study will impress you with the fact that no other investment offers such golden returns as oil. Large fortunes are amassed with great rapidity. The man of ordinary means has but little chance at the present day to avail himself of the great opportunities offered for investments. The oil industry offers the small investors a chance to reap some of the profits offered. Besides the large prospective increase in the value of our stock, we are one of the most successful companies in the field.

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PACIFIC OIL REPORTER

VOL. 2. NO. 36. SAN FRANCISCO, CAL., FRIDAY, JULY 12, 1901. PRICE, TEN CENTS

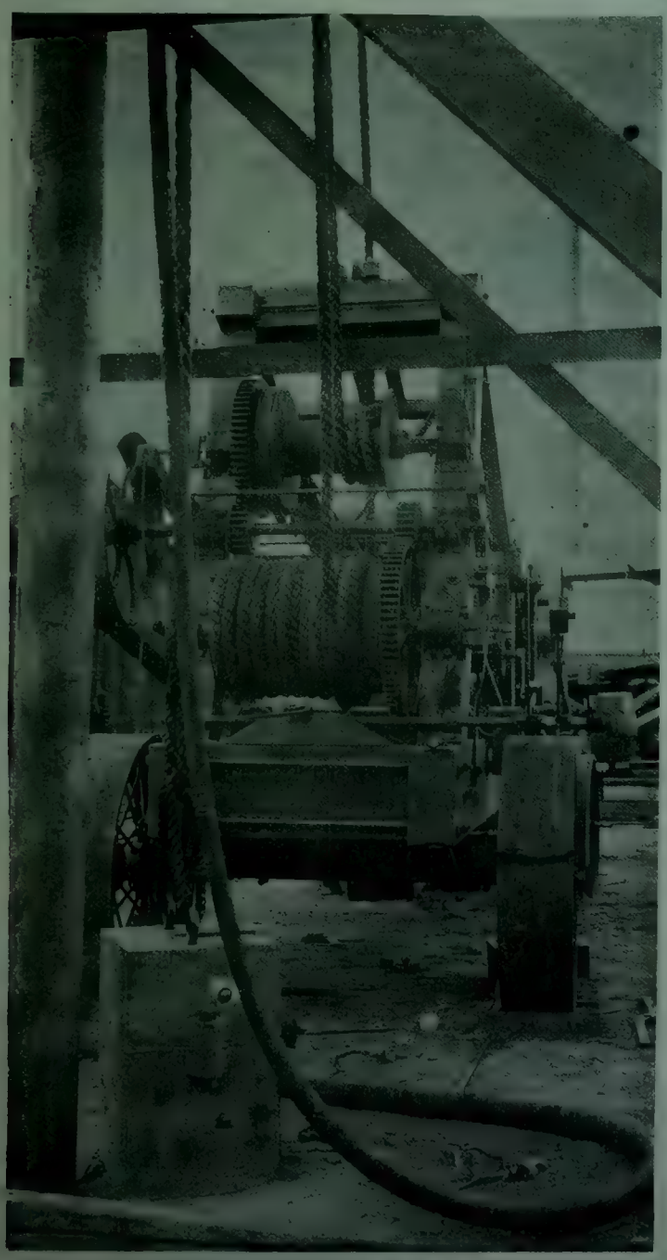
NEW DRILLING MACHINE.

Details of Construction of the Canfield Drilling Apparatus.

How Greater Speed and Efficiency are Secured—How It Meets Problems for the Driller.

A new drilling machine has recently been patented by C. W. Canfield, which presents improved features of interest to oil men. It is claimed for this machine that the casing may be raised or lowered while operating the drill, and that the drill may be used to break ground at the same time that the bailings are removed by a continuous stream of water under pressure passing through orifices in the bit. An adjusting appliance is provided which will regulate the length of the stroke without stopping the drill. Another feature is the hammer or clamp used for driving casing, which can have its weight adjusted according to circumstances. The machine consists substantially of a pair of triangular frames mounted on a movable bed, and a yoke to which the drilling cable is attached and which gives motion to the drill. A vertical movement is given to this yoke or "walking beam" by a pair of cranks attached to a rotating shaft. No temper screw is required with this apparatus, the feed being direct from the cable drum and regulated by one of a set of brakes attached to the end of the machine nearest the derrick. An attachment which does away with reversing the engine consists of an adjustable friction pulley with the necessary gearing, by means of which a reverse motion is immediately secured, thus enabling the operator to pull casing, raise the drill, or perform any other operations requiring a reversed motion. Besides the main cable, there are drums for the sand-line, casing, and driving hammer, so that each of these can be readily used without pulling out the tools or otherwise readjusting the machinery—a most essential point in favor of rapid work. All these drums are regulated by levers placed within easy reach of the operator, so that all work can be regulated in a moment without change of position.

The drilling machine weighs about seven tons and is mounted on wheels, making a substantial and at the same time portable apparatus. It may be driven by a



Canfield Rapid Drilling Machine—End View of Machine—Casing and Drive-Hammer Drums—Driving Hammer for Casing in Foreground.

Canfield Drilling Machine—View of Machine With Derrick in Place and Water Connections Made. The drill cable passes over 4-foot sheave in the Derrick.

Canfield Rapid Drilling Machine—Side View Showing Attachment of Drill Cable to Walking Beam, Which is Made Fast to Uprights and Given Movement by Cranks Attached to Shaft—Casing and Hammer Cables on End Drums near Derrick.

portable or traction engine, or if desirable may be run by an ordinary stationary engine similar to that used with a standard rig. About 20 H. P. is required.

The bolted derrick used with this apparatus is about fifty feet in height, fitted with five sheaves for the different lines already mentioned, including a double block for pulling casing. The large size of the main sheave, about four feet diameter, prevents a short turn on the rope, which might otherwise cause a break at this point.

The hammer used for driving casing under this system is a U-shaped arrangement weighing about a ton when all the attachments are present, which is always kept ready for use, so there is no necessity of using the tools for this purpose, and the casing may be made to follow them without delay, or if necessary be pushed ahead in caving formations. The hydraulic feature of this apparatus consists of a water pump attached to the engine, from which a stream under 150 pounds pressure is forced through a drill rod or hollow stem attached to the bit, and then passes through orifices in the bit on each side of the cutting edge, so that any accumulations are immediately washed away. The water returns to the surface and is accumulated in settling pools, or tanks where it can be used many times over, so that less water is required than in the standard process, where the bailings are so heavy that they are of no further use.

The bits used may be either one similar to the standard bit in solid formation, and for gravel, cobbles, sand and clay a bit is used having a semi-circular marginal edge with another cutting edge across the middle, forming a T, like a standard bit with one side cut off. It is claimed that with this bit no underreaming is necessary, as the hole cut is constantly larger than the casing, and there is no necessity of putting confidence in the shoe being driven through a formation which is likely to stick it fast, so in this way the necessity of frequent jobs of casing pulling is greatly reduced.

The Canfield drilling machine is the invention of C. W. Canfield, a practical driller of fourteen years' experience in the California fields, and a well-known figure in the Coalinga and Kern River districts.

The machine has been put in on the Pander Ranch, one and one-half miles northeast from Vallejo, by the Solano Oil and Development Company, and drilling is now under way, with every prospect of success.

The company has offices at room 59, 530 California Street, San Francisco. E. Sanborn is the president, F. H. Yost, vice-president, J. Burt Gildersleeve, secretary.

A TART REPLY.

Oil City Derrick's Insinuations Repudiated.

The Oil City Derrick recently took the editorial statistics on dividend-paying companies lately published by the PACIFIC OIL REPORTER and made them the basis of an attack on California oil companies. The New York Commercial, a standard conservative journal, defends the California industry as follows:

"It is learned that the Producers' Oil Exchange of San Francisco has listed sixty-eight California oil companies. Presumably all of these were the subjects of previous investigation by the exchange's officials, and it may fairly be assumed that they are all "reliable," in so far as that designation implies that there is no discernible element of fraud in their organization or of deceit in their representations. In fact, nineteen companies in this group have paid dividends during the past year. By these dividend-paying companies 5,431,000 shares of stock have been issued, having an aggregate par value of $7,050,000, and the total amount of dividends distributed by them was $971,800. 'This,' says the Oil City Derrick, 'is equivalent to an average of 13.6 per cent, but when it is considered that the fortunate purchasers of these dividend-paying stocks bought them, as a general rule, below par, the actual percentage of returns was much better than this, but still somewhat below 2 per cent a month.'

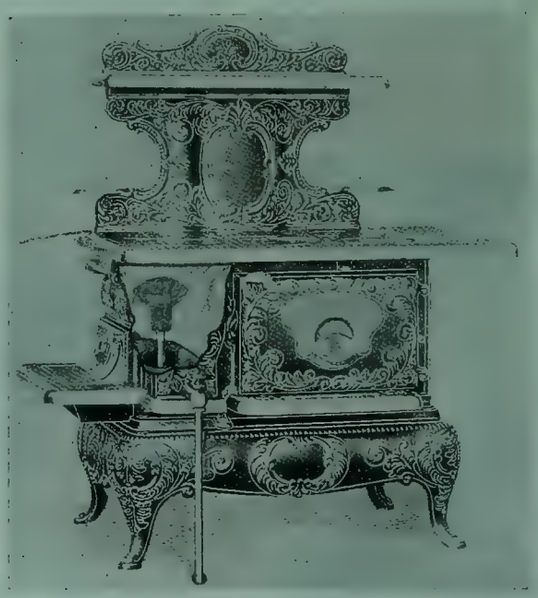
"This showing is not by any means a bad one for an industry in a comparatively new oil country, and it is extremely doubtful if in the early days of the oil business in Pennsylvania the industry had been so intelligently organized and was in a position to enable the outside public to separate the wheat from the chaff in the matter of profitable investment. The Derrick surely hasn't forgotten the oil past of Pennsylvania, so it is not easy to pardon it for the following:

"'And outside (of the sixty-eight listed companies) are hundreds of other companies organized for the express purpose of swindling the investors. Of course, all California oil companies do not come under such a sweeping charge, but when it is seen that only nineteen companies paid any dividends last year the chances of an eastern investor striking a winning company are reduced to very small proportions.'

"Why? The nineteen dividend payers are well in evidence, and the exchange can presumably furnish all necessary information about the forty-nine others that are listed. 'Sure winners' are naturally quite as scarce in oil properties as they are on the race track or in the stock market.

"The California oil industry appears really to be moving along very well."

A SUCCESSFUL BURNER.



The "Economic," an Invention that is Increasing Oil Consumption.

The "Economic" oil burner is a small affair about eight inches high and six inches in diameter at the top, the whole thing shaped something like a pear, yet is occasioning a very great increase in the use of crude oil, especially for cooking and heating purposes in private residences. It is also coming into general use wherever it has been introduced for hotels, restaurants, office and store buildings, churches, schools, baths, fruit driers, dairy plants, bake ovens, nurseries and fire departments.

In Los Angeles this burner has been in quite general use for two years or more and has given complete satisfaction. A large number of restaurants now use it exclusively, and for general cooking purposes it cannot be excelled, as the heat obtained is abundant and even. Some of the largest and most modern buildings in Los Angeles, such as the Byrne block, Laughlin building, Wilcox building and California bank are heated by this burner, which secures a saving over coal of over fifty per cent.

In small private families where the coal bill averages about $5 a month the bill for oil will not exceed $2.75 a month, and the result obtained will be more satisfactory than those obtained with coal.

The new burner has just been introduced into Oakland by a company called the "Economic Oil Burner Company." The company has opened up spacious offices in Oakland at 968 Broadway, where the burner can be seen in practical operation as applied to ordinary cooking stoves, steel ranges, heating furnaces, etc.

Oakland people were not long in appreciating the merits of the new burner, and during the month of June orders poured in so rapidly as to tax the ability of the company to the utmost in manufacturing the burners and placing them in position. The cost of fitting up a stove with this burner is small, and the fuel used, which is a distillate, is supplied at the rate of six cents a gallon. The oil is stored in a tank placed outside the residence and raised about 15 inches above the height of the top of the stove. There is absolutely no danger from explosion, there is no smell of oil, and the soot and ashes resulting from coal are unknown. A good hot fire is obtained at once, and a large range is ready to bake in ten minutes after the fire is lighted.

The San Francisco office is at room 80, Chronicle Building, and in a short time the burner will be introduced to the people of San Francisco, who will undoubtedly receive it as gladly as did those of Southern California, Oakland and elsewhere.

A Colusa Company.

Ex-Mayor J. L. Davie, of Oakland, has organized a company to operate in Colusa county called the Avanado. They have about 4,500 acres of land the leases of which will soon be all adjusted. A large seepage of oil is on the land from which several barrels of superior lubricating oil can be obtained. The company is composed of men of means, and no stock will be offered for sale until a well has been drilled, and it has been demonstrated that oil can be found. The office is at 911 Broadway, Oakland.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

OFFICIAL OIL TESTS.

Railroad Experiments With California and Texas Oils.

Howard Stillman of Sacramento, engineer of tests of the Southern Pacific railroad, has given the following valuable statement of the experience of the road in using fuel oil:

The Southern Pacific Railroad company has used fuel oil in locomotive service for several years and is extending its use in proportion to supply of this class of fuel.

As compared with coal the following data is shown in evaporative tests made with either fuel in locomotive service. Engines with which tests were made were of same size and make in similar service. The following figures are here shown:

Service, Passenger—

	Summerland and Los Angeles Petroleum	Comax (bit.) Coal.
Miles run	224	224
Mean No of cars in train	3.71	3.71
Weight of cars in train ...tons	113.01	110.40
Actual running time, hours	7.55	7.63
Av'ge steam pres're gauge, lb	135	130
Temperature of feed water, degrees Fahrenheit	660	660
Gallons water evaporated	6603	5980
Pounds water evaporated	55,025	49,833
Gallons oil burned	755	....
Pounds fuel burned	6,040	8,043
Evap. water per lb. fuel	9.11	6.19
Evap from and at 212 deg. F	10.96	7.41
Pounds fuel to evaporate one pound water from and at 212 degrees Fahrenheit	.09124	.1349
Equivalent of fuels for equal evaporation, lb	1.00	1.48
Ditto by measure	*168.9	**1
Gallons water evaporated per gallon of oil	8.75	...
Miles run per ton	74.14	55.72
Fuel burned per hour	*100	**.537
Total ton mileage	25,314	24,730
Ton miles per pound fuel	4.191	3.074
Ton miles per gallon oil	33.53	.....

*Gallons. **Ton.

The above items are from record of fuel tests made with careful attention to weights and measures.

COMAX COAL ANALYSES.

Proximate analyses of the Comax coal as follows:

	Per cent.
Moisture	1.90
Volatile combustible	27.08
Fixed carbon	55.38
Ash	12.50
Sulphur	3.14
Total	100 00

The fuel oil used in the test was California product from the locality named, and ranging in gravity close to sixteen degrees Baume, its flash point being about 240 degrees Fahrenheit, fire point at 290 degrees Fahrenheit. In practice it is taken at weight of eight pounds per gallon.

The California oil varies somewhat in gravity, but the fuel oils as obtained from the Kern, Los Angeles, Summerland, McKittrick and other fields are represented in the results above shown. They are all dark brown or black heavy asphalt oils, being more or less oxidized petroleums, very thick and viscid at temperatures below sixty degrees, and can only be handled by use of steam heating coils in tank or around pipes.

The grades of California petroleum are many and should not all be confounded with the fuel oil referred to. There is a wide range in quality for refining purposes, but by the term fuel oil we mean that it is supposed to be of use for little else than fuel, and this article has to deal more particularly with such.

COAL OR OIL AS FUEL.

As to relative cost of either coal or oil fuel, the relative values are based on the figure from the above test for equal calorific effect from and at 212 degrees, that is to say, 168.9 gallons oil equal one ton of coal, to which ratio local prices may be applied. As to effect on flues, fire boxes, etc., there is rather more trouble from leaky flues, seams, etc., than with coal fuel. This is due not to the fuel, but to more rapid temperature changes in fire box during service with its subsequent expansions and contractions.

This applies particularly to the use of oil fuel in locomotives, because its service is so irregular in shutting off steam, stopping, starting, etc.

We have used oil fuel in stationary service many years, and it was used as fuel for a long time on the ferry steamers on San Francisco bay, with excellent results, but was abandoned on account of possibility from accident on crowded boats and the public were timid. The writer had occasion as a part of his duty to make occasional inspection of the oil burning boilers of steamers, Solano, Oakland and Piedmont. I am prepared to make the statement that I have never seen an instance of damage to fire-box plates from use of oil fuel. Stationary boilers being regularly fired and not forced in evaporation as locomotive boilers are, do not suffer from the rapid expansions and contractions referred to.

PRODUCT OF TEXAS.

The Texas fuel oil is in some respects quite different from the California oil. It has a gravity of about 22° Baume, flashes at 180°, and fire point at 200° Fahrenheit. Its commercial weight may be taken at 7.43 pounds per gallon. It is quite fluid at ordinary temperatures, and flows easily and readily in pipes, burners, etc. For refining purposes it is said by authorities to be of little value and good for little else than fuel. A quantity of this oil was hauled into Los Angeles and put to use on a freight engine in comparison with the California product. The chief variations were as follows:

About 2 per cent gain in evaporative effect was found in favor of the California oil, but the probabilities are that with continued use there will be little or no difference found. Theoretically, the Texas oil has the greater calorific value, owing to its containing a larger proportion of the paraffine or unoxidized oils.

COMPARATIVE TESTS.

In the comparative test a marked difference was found in the effect of the oil fire on brick lining and arch of the fire box. The California oils contain more or less water of a salty or alkali nature, the effect of the alkali being to flux and melt out the fire brick to such an extent that removals are quite an item. The Texas oil is free from alkali, and it was observed that no destructive element was present to destroy the fire brick.

The comparative fluidity of the Texas oil has already been referred to, and the difference in the handling of the oil was a matter of practical importance.

The smell of the burning oil or products of combustion of the Texas oil was noted by the locomotive engineer during his two weeks' experience with it. He said the odor was not as disagreeable as with the California oil. This was not as expected, owing to the quantity of sulphur in the Texas oil, but is explained by the fact that in complete combustion the sulphur is oxidized to sulphurous fumes not present in appreciable quantity.

PRESENCE OF SULPHUR.

The amount of sulphur in the Texas oil is considerable for petroleum, being determined at from 1½ to 2½ per cent. When the oil is distilled or heated below ignition point without access to air, a series of sulphuretted gases are given off, which are very disagreeable. Not so when the oil is burned in plenty of air. Oil refiners cannot make use of the petroleums containing much sulphur, and condemn the Texas oil on this account for fuel.

I wish to contradict the statement made in an Eastern oil refiners' paper, that "the Texas oil would eat up the flues of an ocean steamer in once crossing the Altantic, on account of the sulphur." This statement has no foundation in fact, and I would contradict it from the following basis of observation:

RAILROAD EXPERIMENTS

The Southern Pacific company for many years used on a portion of its lines a quality of coal known as Union or Comax. This coal contained sulphur in considerable quantities, varying from 3 to 5 per cent. The sulphurous fumes were present in such quantity as to be objectionable to passengers and a general nuisance. Observations were made covering several years of the action of this coal on firebox plates, but I was unable to locate corrosion that could be traced to sulphur. The reason why no such corrosion can be expected is briefly explained as follows:

The fumes of dry sulphurous acid at high temperature are not corrosive to iron plates, and cannot unite with them at temperature of the furnace. In presence of water and temperature less, say, than the boiling point of water, the corrosive acid is formed in time, but this condition is not found in an oil fire.

I would wish to go on record as denying any statement that the sulphur in Texas fuel oil will destroy the fire box of a marine boiler. For marine or stationary service we have never found an objection to oil fuel. When burned continuously in such service there is no complication and no better combustion can be devised, excepting gas, of course.

A cheap source of fuel oil, such as the Texas field promises, has a great future for steam production. They seem to have on tap an enormous quantity. The California product may not be able to compete with it, as the California oil generally has to be pumped from wells varying from 800 to 1200 feet in depth. A ten to fifty-barrel per day well in California is rated as a good one. In Texas there are four wells that yield under pressure from below one hundred times as much oil per day.

HOWARD STILLMAN,
A member of the American Society of Mechanical Engineers.

16,400 ACRES OF PROMISING OIL LANDS

In San Bernardino County, California.

are offered at a bargain. These lands have been most carefully selected by the best Oil Experts, and samples of the oil received therefrom indicate the highest quality. Besides oil, important mineral deposits have been disclosed, offering exceptional opportunity to a syndicate to push development on a most profitable basis.

On this land are oil seepages and outcroppings of the finest looking oil sands and shales, also deposits of nitre, borax, and in another part gold and copper ledges of unknown extent, all of which gives these locations a high prospective value.

Mr. M. L. Cook, County Surveyor of San Bernardino County writes regarding these lands:

"DEAR SIR:—Your communication of the 5th at hand. You ask me what my opinion is of the territory you have located for oil lands in the section of the country I have recently surveyed for you. I will state that I have gone over the entire territory and during the past two months have surveyed and examined the country along the entire length of this particular oil belt in which your locations are situated. I can state that your territory is as good as any located thereon, and I consider it superior to the country near what is known as the Black Ranch or the Hiawatha fields. I will further state that I was in the country early, and had my choice of ground, and I selected the same locality in which you have located, and I can also state that the company in which I am interested intend to put down a well on the ground immediately adjoining the lands which you have located. The lands which I surveyed for you contain 16,400 acres."

FOR FURTHER PARTICULARS ADDRESS:

W. A. FOURNESS

MINING AND CONSULTING ENGINEER

228–229 PARROTT BLDG., SAN FRANCISCO, CAL.

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Published Weekly

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Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, JULY 12, 1901.

THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

Fake Methods Exposed.

In a recent issue the "Oil City Derrick," the greatest exponent of the oil industry in the East, has the following:

The PACIFIC OIL REPORTER has learned that the fake oil companies, organized to catch the dollars of the credulous investors, are a serious detriment to the actual development of the California oil fields. In a recent issue the REPORTER calls attention to the Santa Maria Oil company, whose advertising has been very extensive in the Eastern newspapers, and charges it with the following misrepresentations.

1. It has stated that a dividend of 2 percent. a month has been declared. The secretary of the company, J. B. Hoss, says no dividend has been declared.

2. It claims to have sunk its first well and to have obtained oil. A hole was dug forty feet deep in order to prove assessment work, and a seepage of oil was obtained.

3. It publishes in its advertisements the names of C. Behan and J. B. Hoss as president and secretary as if they approved and sanctioned the mistatements. These gentlemen for six months have been trying in vain to secure a quorum of the directors in order to resign from a company whose methods they condemned.

4. It claims to be willing to pay in four months 30 cents a share for shares that are now being sold for 25 cents, less a heavy commission. It can never do so.

5. It claims its treasurer and chief promoter, B Marks, to be the superintendent of schools of San Francisco. He does not hold and never has held this office.

The Santa Maria Oil company, through its Eastern management, is using methods which lay those responsible for them open to arrest according to the penal code of California.

The REPORTER frankly admits that if the methods adopted by this company were practiced to any great extent the oil industry of California would be completely ruined. This is the right kind of talk. Now let the REPORTER go for some of the other California oil companies that are just as culpable as the Santa Maria. The Pacific Press has only a faint conception of the operations of these fake oil companies in the East, and the amount of money they have received on the promise of dividends of two per cent a month.

The "Derrick" is wrong in saying the Pacific press has but a faint conception of the operations of these fake companies in the east. We are perfectly cognizant of it, and know that most of the oil fake schemes now operating in the east are not the product of California oil sharpers but of eastern crooks and disreputable "fiscal agents," who have flooded the east with flaring misstatements of facts and promises which are so obviously untrue and impossible of fulfillment that no one but a fool could be misled by them.

Yet that there are fools in the east is proved by the complaints received daily at this office from eastern people who have been "bitten" by these eastern crooks.

The blame should not be placed on California oil men, but on the eastern stock manipulators, and on the newspapers in Chicago, New York, Boston and elsewhere, some of them religious publications like "The Churchman," which have knowingly allowed these eastern oil scamps to use their columns in order to defraud the credulous investing public.

The PACIFC OIL REPORTER has uncovered these frauds again and again, that of the Santa Maria Oil company being only one in many.

There are other fraudulent California oil schemes, but almost all of them are conceived and manipulated in the east, and it is difficult for the California press to uncover the true facts.

The eastern press are to blame first for allowing these deceptive advertisements place in their columns, and secondly for refusing to make their true character known when the attention of the papers is called to the fake character of the enterprises they are advertising.

OIL PRODUCTION IN CALIFORNIA BY YEARS.

	Barrels.
Previous to 1876 (estimated)	175,000
1876	12,000
1877	13,000
1878	15,227
1879	19,858
1880	40,552
1881	99,862
1882	128,636
1883	142,857
1884	262,000
1885	325,000
1886	377,115
1887	678,572
1888	690,333
1888	303,220
1890	307,360
1891	323,600
1892	385,049
1893	470,179
1894	705,969
1895	1,208,482
1896	1,252,777
1897	1,903,411
1898	2,257,207
1899	2,292,123
1900	4,329,950
Total	19,169,329

Oil and Mosquitos.

The curse of the districts in the interior of California, where there is an abundance of water, particularly along the marshy lands of the Bay and its tributaries, is the mosquito—alert and venomous. The people who have been subjected to this plague have silently submitted, or feebly fought them with nets and bars. Now some scientific men say the mosquito can be effectually removed by the use of crude oil. In Cuba, General Wood has made the use of petroleum for killing off these insects compulsory on the part of the civil and military authorities. It is a well known fact that the mosquito, in addition to being a general nuisance, is a menace to human life, as through its agency malaria and yellow fever are spread abroad in tropical countries.

Petroleum is being used at Fort McHenry, in Baltimore harbor, in order to annihilate the mosquito pest, and Dr. Stark, surgeon of the United States army, believes that Baltimore may be entirely freed from mosquitos if the citizens will co-operate with the health authorities. Neither can act successfully without the other. The mosquitoes will not breed in water exposed to the sun and free from water plants, but a small can, in which water is permitted to stand, will furnish a breeding place for enough mosquitos to infest an entire square.

Dr. Stark, who has had a great deal of experience in the application of petroleum for killing mosquitos near Havana, gives the following information in regard to the methods adopted there:

"The only feasible defense against the malaria mosquito is the petroleum system. I have seen the effect of oil since its first application in Cuba and speak from actual experience. My first experiment was tried at Columbia barracks in the fall of 1899. The barracks are five miles west of Havana and two miles from the gulf. Malaria was prevalent at time, excellent breeding places for the insect being provided in the lagoons between the post and the gulf.

"Crude petroleum was floated on the surface of these lagoons, the proportion used being one ounce to ten square feet of surface. The result was that not only the larvae were destroyed, but the adult insects were deterred from depositing their ova. At the same time all soldiers suffering from malaria were carefully confined beneath the nets and subjected to the usual treatment for malaria until free from symptoms and the examination of blood showed absence of all evidences of the disease. The result of this experiment was the absence of a fresh case of malaria for a period of eighteen months, at which time I left the island.

"Far more important than the extinction of the malaria-bearing mosquito was the destruction of the genus fasciatus, which has been conclusively proved to be the intermediate host of the yellow fever. To this end Major George, sanitary officer of Havana, and all medical officers in the island of Cuba waged war against the mosquitos with such success that only two cases of yellow fever have appeared in Havana since February 1, 1901, something unprecedented in the history of the city."

Newspaper Robbers

It is a curious yet perfectly patent fact that California oil men have been regarded as the most pluckable of the many victims of eastern newspaper sharps.

In the east there are a number of so-called financial papers, each claiming to have the largest circulation, and all ready to pounce on any new industry that may spring up from Maine to California, and with smooth-tongued agents on hand waiting to be sent to any place where there is a likelihood of getting good picking. These papers will take any advertisement no matter how disreputable, provided there is money in it.

At least a dozen of these papers have had their representatives in

California. Some of these have succeeded quite well in securing advertisements from the oil men. Probably $20,000 have thus been thrown away on these useless papers. Yet their representatives are still here, at least some of them are, and are still worrying any oil men who have evinced any disposition to advertise.

So for not a single legitimate advertiser can be found who is willing to testify he has ever received a dollar's benefit from these financial newspaper fakes.

These papers pretend to direct investments, and to show people with money where to spend it to advantage.

If they are honest, then may Providence protect those who follow the suggestions of dishonest papers.

That reputable oil enterprises are beginning to realize the worthlessness of patronizing these eastern papers is seen in the noticeable dearth of advertisements of reliable California oil companies in recent issues of these papers.

Falling off in New Work

Statistics of the oil fields for the month of June show the rigs to be 66 against 221 for May, a falling off of 155, and the number of wells being drilled is placed at 433, a decrease of 199 from the preceding month. This falling off may be attributed to a considerable extent to the low price of oil, due to the presence of a temporary surplus in the market. In new work completed during the month there were 124 wells completed with a total product of 3402 barrels, an increase of 29 wells and a production of 257 barrels. There were 23 failures, an increase of four over May. The completed wells were distributed among the following counties: Humboldt 1, 10 barrels; Fresno 5, 185 barrels; Kern River 50, 2000 barrels; McKittrick-Sunset 30, 610 barrels; Summerland 2, 20 barrels; Fillmore 2, 40 barrels; Piru 2, 80 barrels; Newhall 1, 10 barrels; Los Angeles 18, 102 barrels; Whittier 3, 30 barrels; Fullerton, 7, 315 barrels. Failures were distributed as follows: Fresno 2, San Benito 1, McKittrick-Sunset 9, Fillmore 1, Santa Paula 2, Los Angeles 6 Whittier 2.

Oil in Gas Making

In recent years a new process of making gas has been discovered which has practically revolutionized the industry.

It has been found after careful experiment and scientific investigation, that a superior quality of gas can be manufactured from crude petroleum at a much less cost than that obtained by the use coal.

This process is now used satisfactorily wherever crude oil can be obtained in abundance.

It increasing use in England and in Europe will supply a market for the newly discovered Texas oil fields.

On this coast the new oil process is rapidly superceding the old coal process, and will soon furnish an immense market for California oil, and as soon as tank steamers can be obtained will create an ever increasing demand for our oil in the large cities of Oregon and Washington territory.

Gas therefore can be regarded not as a competitor of petroleum, but rather as an ally, as the increasing use of the former means a greater demand for the latter, and a corresponding benefit to the producer of crude petroleum.

New Refinery.

The Californian says that the refinery to be erected at Gosford by the Pacific Refining company will soon be under the process of construction. The plans have been completed. the building site has been selected and everything is in readiness to begin working at once. The only question that seems to be agitating the interested parties is that of the purchase of the machinery, which it is thought will be hampered by the present difficulty between the machinists and their employers in various parts of the states. The company, which is composed of Messrs. Blodgett, Beal and other local capitalists, will install three 600-barrel stills with a capacity of 1200 barrels a day.

Piping Our Oil.

The question of piping the heavy oils of the California fields to tide water is probably attracting as much attention now as any feature of the industry, says the Herald, and it does not by any means seem certain that it is practicable to pipe the oil in its natural condition a long distance when it is heavier than 20 gravity. One of the suggestions which is made for the heavy oil, particularly that of the Kern river field, which is a long distance from the ocean and from the markets, is to refine such a portion as is necessary to bring the oil to the required gravity, when the refined oil is turned back into the pipe. It is thought that if the solids were extracted from 25 per cent of the oil it would make the entire output light enough to be piped to San Francisco bay, while the residuum in the form of asphaltum would have a ready market at a price which would pay a profit on the work of refining.

It is taken for granted by many of the Kern River oil producers that the carrying of a great percentage of the oil produced by rail is out of the question, and that the piping problem must soon be solved as a necessary economy in the marketing of oil.

Would You Give 20 cts. for $4.00?

That is what we offer you and that is what our stock will be worth at a conservative estimate when our six wells are completed.

WE WILL complete these six oil wells as rapidly as experience and energy allows.

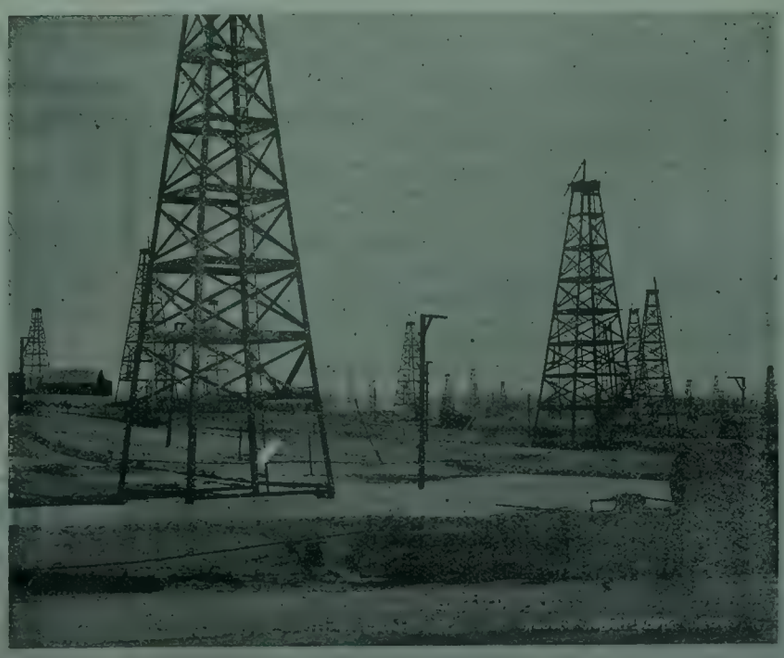
WE offer you an investment that is secure.

AN investment that will increase the principal beyond your greatest expectations.

WE OFFER you at present stock in the Standard Consolidated Oil and Land Company at **20 cents per share,** which in a short period of time will be worth way up in the dollars.

ARE YOU ambitious to improve your financial condition?

DO YOU wish to share in the profits that will shortly be paid to the stockholders in this company?



Members California Petroleum Miners' Association.

A few reliable representatives desired.

For further information address:

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OIL FOR GAS MAKING.

Experiments in England Show its Superiority Over Coal.

The Highest Authorities on the Manufacture of Gas Declare Oil to Be in Every Way Preferable to Coal.

The reading of two papers before the meeting of the Incorporated Gas Institute, at London, on the subject of carburetted water gas, and the discussion thereon, and the announcement by the chairman of the Shell Transport and Trading company to the annual meeting of the shareholders of that company, held recently, is a coincident which has some features of great significance in it. The Petroleum Industrial and Technical Review says that some very interesting views were put forward by several gas engineers in regard to the advantages of oil for gas enriching purposes, which are worthy of consideration and study on the part of those engaged in the scientific and industrial departments of petroleum. Incidentally, in the ensuing discussion, there was also raised the question of the effect of the proximity or otherwise of the gas works in relation to the supply. Mr William Langford, of Langton, in his paper, set himself to explain why he adopted water gas or oil gas, as, in sympathy with one speaker, we agree it should rightly be termed, and gave the reason, which may be put into the words: "Because it was the best under the circumstances." With "the supply of two 300,000 cubic feet sets, with duplicate oil and feed pumps, a new boiler-house, two 27 by 7 feet Lancashire boilers, a steel storage tank to contain 52,000 gallons of oil, etc.," he inaugurated the system of enriching at Langton. The economic conditions under which the oil was supplied are then given by him, the results attained being as follows:

Illuminating power	19.15 candles
Oil per 1,000 cubic feet	2.52 gallons
Carbonic acid	3.21 per cent
Candles, per gallon of oil	7.59
Coke used in generator	35.80 pounds

He then sets out the approximate cost of crude gas per 1,000 cubic feet of 19.15 candle-power:

2.52 gallons of oil at 4¾d. per gal.	11.97d.
35.8 lbs. of coke and 10 lbs. for boilers, or 45.8 lbs. at 9d. per cwt	3.50
Wages, etc	.75
	16. 22d.

Thus far, Mr. Langford. A paper was then read by Mr. R. Porter, on "British Gas Practice," which was very severely handled by a number of speakers in discussion. It is this discussion, which was, from an oil point of view, a most valuable contribution. Mr. Stelfox, in the course of his remarks, stated, that although readers of the papers had quoted 3.28 gallons of oil as required per 1,000 cubic feet of gas, he had been able during the past year to reduce that figure to 2.7 gallons, while instead of obtaining only 6 candles from a gallon of oil, which had been the guaranteed figure, they had been able to obtain 7 candles, and in some cases above 8 candles. In regard to price, Mr. Stelfox was not quite so eulogistic. He thought that there should be better terms obtainable, and we may assure Mr. Stelfox that if he and his contemporaries will support and encourage this use of oil gas for enrichment, the supply which will soon be available from the Texas fields will speedily rectify this objectionable item.

He has certainly given his testimony in no measured terms; he is more and more satisfied with the system every day. Oil gas enrichment is a boon to the gas manufacture—a sentiment echoed by subsequent speakers. Mr. Leather, of Burnley, informed his committee, before the introduction of oil gas into their works that they would save 1,400 pounds a year by its adoption, and although the price of oil had in the meantime risen from 3½d. to 5d., the saving had been effected. A similar case was pointed out by another speaker, in which the construction of a new gas holder had been obviated by the adoption of oil gas for enriching purposes, while had it not been for carburetted water gas being introduced at Preston, an expenditure of 20,000 pounds would have been involved also for the erection of a new gas holder.

What could be accomplished by gas manufacturers with a cheap oil, was also faintly forecast by the president, who stated that he had thus been enabled to get a 20½ candle gas for a cost varying from 15.7d. to 14.56d. Seeing that oil represents about 75 per cent. of the cost of production, the possibility of obtaining it at a very greatly reduced price, is a matter of vast meaning to the gas producer.

As we have already hinted in these columns, the Texas oil produced by the Guffey company, which the Shell Transport and Trading company have the sole right to distribute in Europe, is a gas enriching oil, and oil for fuel purposes. The nearness of the producing field to this country, the low figure at which the oil can be produced, and the facilities available for its distribution, make this new discovery a very important event for the gas industry of this country. It has even a wider signification on the subject of fuel, but into which we need not enter here. Our message to the gas manufacturer is to the effect that the prospect of a far cheaper oil awaits him, if he will only take advantage of the opportunities. So far as we can judge at present, the price of this oil is likely to drop by nearly 50 per cent., or say about 2½d per gallon, which will mean a very considerable saving to the gas manufacturer, and will enable him to obtain this seven or eight candles for 2½d. instead of 4d. or 5d.

In closing, we would briefly revert to the point raised by one or two gentlemen in the discussion reviewed, and that is, the proximity or otherwise of supply. At the present time, storage facilities or lack of them somewhat hampers the adoption of the oil gas system. but with a larger supply and a greater demand, the storage and distributing facilities will undoubtedly be made such as to meet all requirements, and gas manufacturers may rely on it that no steps will be left untaken which will make this gas oil readily and cheaply available. In fact it may be safely predicted that the conditions of supply will be such as to practically compel its use in the manufacture of gas in this country.

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OIL! OIL! OIL!

The oil fields of California are offering opportunities for investment that cannot be surpassed. Wells are sunk daily that are putting thousands into the pockets of investors. Immense fortunes have been made in oil, in the Southern parts of California during the past year, and so much money has been made lately, that the whole country has gone "oil crazy."

The Rockefeller Oil company of Kern county, Cal., is the owner of valuable oil lands in the McKittrick District, the most famous oil field in California, where failure is unknown. The company is capitalized for $100,000, divided into 100,000 shares of the par value of $1 each, and of this amount has set aside 25,000 shares of its capital stock for development purposes. This stock is now offered for sale at 50 cents per share, and operations for the sinking of the company's well will commence within 30 days. Get in on the ground floor. For further information, address:

THE ROCKEFELLER OIL CO.

Room 20, 401 California St., San Francisco, Cal.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

FRESNO.

Carmelita has closed down.

Commercial Petroleum has 800 feet of drive pipe in the hole.

The Home has a fishing job at 8, having lost a sand pump. It is down 1000 feet.

The Caribou is grading a site for a derrick and will resume operations at once.

El Capitan No. 2 had a pinched shoe this week and found it necessary to pull casing.

Santa Clara No. 2 is down 900 feet through the first oil sand, which was 59 feet thick.

The No. 3 derrick of the Maine State company is completed and spudding will start next week.

The Blue Diamond company has commenced operations. Derrick builders went to work this week.

The 28 company has No. 5 down 400 feet, and has a fishing job, having lost a string of tools in the hole.

The Roanoke company has lost a few joints of casing in the hole and are fishing for it with a steel collar.

Part of the crew for the California Oil Fields Limited No. 1 well went out this week and operations will soon begin.

John Livermore has been awarded the cantract for drilling the well of the Fresno San Francisco company. It will operate on section 1, 20-14.

The Producers' Guaranteed will put its well down 200 feet more, making a total of 100 feet. Superintendent Livermore will go ahead as soon as tools arrive from Fresno.

The Rock is down 850 feet and has 850 feet of 11⅝ casing in the hole. The tools are working in oil sand with a good showing of oil and gas.

The Merced company resumed operations Monday. When it closed down the hole was 1050 feet deep, but it filled up so that now the drill is working at 850 feet.

The Mercantile Crude company has moved its tools to No. 2, and will start spudding at once. It has rigged up No. 1 with a pump and engine and will use it for a water well, having a fine grade of water.

Hanford Oil company has made application for patent to mineral land on Grover C. claim, being the northwest quarter of section 28, township 19, range 15; Mamies being the southwest quarter of section 28, township 19, range 15; and Arthur J. being the southwest quarter of section 28. township 19, range 15.

HUMBOLDT.

There are a number of new rigs going up near Mattole.

Teamsters have commenced hauling casing from Ferndale for the Hoagland well.

The oil rigs have all started to work again after considerable trouble at different places.

The lost tools at the McIntosh have been cased off and a new set of tools are now at work.

The parted casing at the Wild Goose was pulled out and replaced by a new lot of casing. Work has recommenced a this well.

The rig at the Union has been moved farther up the hill and work is now progressing rapidly at the new location.

KERN.

The Dirigo began spudding this week.

The Kern King on section 15 south of the river is down 700 feet.

Sea Breeze at McKittrick is down 750 feet and still in oil sand.

The Wizard on section 26 is drilling at a depth of 800 feet.

Lucky Boy, Sunset, will resume drill- at once.

Three and 4, Mercedes, 5, 29-28, are in oil sand and showing up well.

Chico, down 600 feet, has a fishing job, and is trying to let the contract.

Superior well No. 2 is flowing at the rate of 10 or 12 barrels a day.

The Los Angeles Oil Investment company is pulling its casing.

The Falcon, section 30, Kern river, is building a rig to begin work on No. 2.

The Grey Eagle has declared dividend No. 6, forty-seven cents, payable now.

The San Francisco company, 27, 32-23, has a bit and a part of a stem in the hole.

Transcontinental has begun spudding in on 29, 28-28 for well No. 2.

Del Rey is rigging up No. 4 and expects to begin letting the drill fall soon.

Stores of all kinds of goods are reported to be opening up at the desert oil field.

Perforating was commenced on Shamrock No. 2 last week. It is rated as a good well.

The Blinn Oil company is planning a new campaign of development work at Kern River.

Kern King is making progress on 11, 30-21. It is down 1260 feet and has gone through eighty-five feet of oil sand.

Golden West finished up its well at Sunset at 910 feet and is well supplied with good sand.

Fresno has resumed work on 15, after a brief suspension of operations. The hole is 1000 feet deep.

Germania on 7, 11-23 has the seven and five-eighths casing 685 feet below the surface.

Henrietta No. 1. which has been yielding about fifty barrels per day, is improving and is good for 100 barrels.

Transcontinental on 29, 28-28, began spudding last week on No. 2. The first well is a fine producer.

The Chicago Extension is down in the neighborhood of 700 feet and drilling is progressing favorably.

It is reported that the San Joaquin is soon to start drilling on its holdings in in section 3, south side.

The Spring, section 11, across the river, has entered the sand in No. 2, and has a good showing.

Hickie & Vezie spudded in for "19" on 19, 28-28 this morning. The "19" is a Fresno company.

Hecla No. 2, on section 19, 22-28, is lowering its string of 9⅝ casing. The first string is down over 750 feet.

The Queen Oil company is about to begin letting the drill fall for its first hole on section 13, 11-24.

The Fresno has resumed work on section 15, after a short suspension of operations. The hole is 1000 feet deep.

The refinery at Kern City is installing a new 300-barrel still and is otherwise increasing its capacity.

The S P. is going deeper into the oil sand in its second well on section 25, 28 27.

Hall & Barlow are moving in lumber preliminary to beginning drilling on the northwest quarter of 25, 32-23.

E. B. Bishop struck oil in 13, 20-20 some weeks ago and his property has become a good producer.

The Famous section 4, 29-28 now ninety-two producing wells, thirty-four drilling.

The Kramer Consolidated struck oil at 500 feet, but has cased it off and will drill 1000 feet. It is in 11, 10-5.

The Eastern Star in Kern River has three derricks up, but won't begin drilling for several weeks.

The New Richmond company on 25, 32-23, is having a little trouble with the lowering of its casing.

Henrietta No. 1, which has been producing about fifty barrels per day, is improving and is now good for 100 barrels.

El Oro, which abandoned its hole on 7, 29-28, at a depth of 1200 feet, is selling its casing and outfit and will do no more development work.

Sunset Center on 12, 11-54 has explored for a depth of 1000 feet and unless a good discovery is sooner made will go to the 1500-foot mark.

Good reports are daily being received from the Arcola extension on 2, 11-24. The well has a very rich deposit of sand, and there is lots of it.

The Paraffine company began spudding on section 7, 29-21 Monday. The company is prepared to rush the drilling of the well.

The New Puritan, a company organized in San Jose and operating in north McKittrick, section 3, 30-21, has reached a depth of 350 feet.

Max Brooks and others have deeded to the Travelers Oil company, the E½ and the NW¼ of 12, 27-20, and the N½ of the S½ of 28, 26-28.

The San Francisco No. 2 at McKittrick is running over the casing. The prospects are that when it is finished this will turn out to be a big producer.

Wichita at Sunset will add another rig and continue the work of developing its holdings on 2, 11-24. Well No. 1 on this tract was brought in some time ago.

The El Oro company has abandoned its hole on 7, 29-28 and is selling its casing and outfit. It will do no more development work.

Accacia has placed a watchman on its property on section 10, on the south side, for the summer months. The company will probably renew operations in the fall.

The Eastern Star has recently erected three new derricks on its property in Kern River. The company will not, however, begin drilling for several weeks.

Mecca well No. 1 has been cleaned out and the oil now stands several feet in the casing. The drill will be forced down several feet more before the hole is completed.

San Francisco-McKittrick has a good well on 11, 30-21. It has not yet been tested on the beam for the reason that it continues to flow at the rate of fifty or more barrels per day.

Electric on 10 has suspended operations temporarily on account of water. The officers are expected about the 10th. when it will be decided what to do with the hole.

Maricopa's well No. 1 has if anything increased its flow and is going over the casing at the rate of fifty or sixty barrels per day.

Temblor and Midway lead just at present with development work. Many new rigs are invading these districts and development work is in full swing.

Enterprise Sun, holding property in the Sunset, Midway and Kern fields will soon begin development work. It expects to lease several pieces of property.

The directors of Blinn, meeting in Los Angeles, decided to start three strings of tools on holdings on 4, 29-28. It was also decided to continue pumping the completed wells.

Kern King will resume operations on its well on 15, 29-28 about the middle of the month. The hole is 700 feet deep, considerably short of the level where oil is looked for.

The Golden West on section 2, 11-24 has the bit in the real oil sand. This discovery was reported a few days ago, but since then a much better showing has been uncovered.

Hart Crude will start drilling on 36, 28-27 within the next few days. Its holdings are located on the west line of proven territory, not inside the line, but within close range of good producers.

The directors of the Sea Breeze visited the well Sunday and found work progressing favorably. Two strata of sand have been penetrated, and the drill is now working in the third layer.

Casing is not always an easy thing to get down. The bore won't always swallow it. That's the troublesome experience that 25, 32-23 is witnessing in the case of the New Richmond.

The Enterprise Sun, a company holding property in the Sunset, Midway and Kern fields, is soon to begin development work. It expects to lease several pieces of property during the next few weeks.

It is said that the National Crude Oil company has on deposit in the Crocker-Woolworth Bank $60,000 of the money it has been raising to close a big deal in 19, 28-28. The deal involves $100,000 cash.

Superior Extension is having some trouble in collecting its water rents. The company will probably shut off the supply from all companies who have failed to remit for the water furnished them.

The Golden West Oil company has issued a statement of the condition of its first well. The hole is down 900 feet and has a double 9 5-8 inch casing 800 feet from the top. The oil stands 150 feet in the pipe

The rig of the San Ardo Consolidated has been taken down at San Ardo and and shipped to Bakersfield. The company has acquired land in 24, 29-28 and will commence drilling before the end of July.

Col. D. N. Woodbury and Dr. F. M. Sponagle are at McKittrick preparing to start off the operations of the United Crude, which they promoted. The ground to be developed is in section 27, 30-22.

The Aladdin Oil company, section 9, 29-28 are down 870 feet. Well No. 2 is finished and is pumping fairly good oil, reported at 100 barrels. Oil about 12 gravity. First well reported as spoiled while perforating the casing.

S. J. Samelson of the Home Packing company of Fresno has closed a contract with O. S. Hickey of Bakersfield to build a rig, furnishing tools, labor, etc., on "19" in 19, 8-28. This is in proven territory.

The trouble which the New York & California has had with sinking its

casing has been overcome and drilling was resumed today. The casing will be under-reamed. It is expected that the well will be completed within a week.

Golden Rule on 31, 11-23, has passed through several favorable strata, and the company is very confident that a strike will be made inside of a few feet. The drill is now working near the 800 foot mark.

Charles Bakeman has instituted suit against the Washington Oil company for the recovery of $500.35 on his own account and for $334 on assigned claims from Fred Bowler, Elmer M. Jewett and W. G. McMillan for work done.

The Vanderlip on section 30, 28-28, which had a crooked hole, is now cutting the 9 5-8 casing preparatory to pulling it up and making the hole into a water well. The company expects to begin sinking another well within a few days.

The directors of the Blinn company held a meeting in Los Angeles on Wedday of last week, and decided to start three strings of tools on their holdings on 4, 29-28. It was also decided to continue pumping the wells already completed.

Lion has completed another fine well on its property at Sunset. It was drilled to a depth of 894 feet and penetrates the same shale formation as found in No. 1. The oil in No. 2 is good grade, and particularly free from water and sand.

Out on the Midway, Barton is down 800 feet in 25, 32-23 and is reported to be making a fine showing. In 25, 32-23, Sunset Coast has recovered its tools and the fishing job is over, without as much trouble as was anticipated. In 23, 32-23, Jolly Joker has its new rig.

It took the San Joaquin just three minutes to load a car through its ten-inch pipe line the other day. It will shortly have its racks up for the loading of thirty cars at one time, though it is hardly probable that the average time will be as short as in the above instance.

The general condition of the Kern field is undergoing a very severe ordeal of readjustment. With the price of petroleum reduced, supply ahead of the demand, transportation facilities inadequate, development is only a mere fraction of what it would be otherwise.

The work on the Sunset railroad is advancing very rapidly. The grading crew has reached the levee and is now working day and night filling in low places. About twelve miles of rails have been laid. It is expected that the grading will be finished by the first of August, and that the road will be completed by the middle of the month.

At the No. 1 of the Bakersfield California Oil company, the company has put a Marsh air compressor into operation. It was kept going for eight hours and was very successful. If these air compressor methods can be operated everywhere to advantage, they will do away with pump valve repairing and crooked rods.

Silver King on 17 is having trouble with the casing at a depth of 900 feet, and it is probable that the hole will be turned into a water well, as a large supply of pure water has been struck. The rig for No. 2 has been moved from where it was first installed to a location several hundred feet to the eastward, where a well will be drilled.

Commonwealth on 32, 26-28 is down over 800 feet and besides penetrating what are regarded as very promising formations has struck considerable gas. La Mesa Chiquita, the Porterville company, a few miles to the north, is also making progress. It is down over 600 feet and as yet has found no difficult drilling.

The Meridian which had a spear in its hole on section 24, 32-24, since the 1st of June, got the first casing a moving a day or two ago. Just as the workmen were becoming jubilant over their success, the crown steel was burned out of the boiler and the good work was stopped. Boiler makers were sent out to repair the engine, after which it is hoped the hole may be cleared without further trouble.

Silver King, on section 17, south of the river is having trouble with the casing at a depth of 900 feet, and it is probable that the hole will be turned into a water well as a large supply of pure water has been struck. The rig for No. 2 has been moved from the place it was first installed to a location several hundred feet to the eastward, where No. 2 will be drilled.

The Queen Esther on 31, 28-28 has erected four derricks and one will commence drilling soon. The Bear Flag, same section, have their second well on the pump, producing about 200 barrels; first well about 75. This was considered practically new territory. These two wells have demonstrated that oil exists in liberal quantities further west.

Panorama, on 14, on the south side has its eleven and five-eighths casing down 800 feet and is still forcing it to a greater depth. This company has been looking for a landing for some time but as only sand and gravel have been encountered this has been impossible. The field manager is determined to find whether there is oil under the property or not, and judging from the start that has been made he will succeed.

The Bakersfield California has given circulation to the report that large sums of Eastern capital are in sight for development work in the local field. Many producers who have watched development work in other fields assert that in two months there will be a revival of interest in the Kern county fields, and that the months of September and October will see dozens of new companies operating in the various oil districts.

The deepest wells in the Kern River district are the Clyde and the Prosperity. Chicago Crude held the record up, but this has to give way. The Clyde on 28, 28-27 is down 1300 feet, cased to 11⅝, while Prosperity on 6, 27-28 is down 1500 feet and cased to 9⅝ There may be others close up before long, and this depth is not all astonishing to the eastern operators who are in this field, as the wells in the east often run to greater depths.

The Revenue Oil company on section 4, 29-28 has seven wells, all producing 150 to 200 barrels a day, gravity 14. The Grace No. 5 is down 1341 feet, finished. Reported pumping 200 barrels, 13½ gravity. Indications are that they have a very good well, the same being south of the railroad, in territory not much developed. The Monte Cristo's well No. 12 has been flowing upward of nine weeks, with a capacity of about 800 barrels.

The Kramer Consolidated is down about 500 feet on its new well, and is said to have struck the same formations as was found in its first well. Since it was at about this depth that the first oil sand was struck there is now a lively interest in the progress of the work on the well. The company is looking for an early strike and the parties interested are confident of dropping into some good sand very shortly now. The people's company is located in the same locality and the success of the Kramer Consolidated will be good news for them.

Milton McWhorter has returned from a trip to the prospective oil fields of Utah and Colorado, and reports having discovered some promising territory in the Mormon country. He organized the California-Utah Oil company and later on in the year will sink a test well on the immense tract of land that the corporation controls. There is as yet no development in that section, but judging from the asphaltum beds and oil seepages there are promising indications for a discovery of good deposits of petroleum. Associated with him are W. I. Roberts, W. J. Berry and W. G. Scott of Selma.

The grading on the Sunset railroad has reached a point about ten or twelve miles from Hazelton, and like much of the road already completed the balance is easy grading and will permit of rapid advancement. The new road strikes the lake levee about one mile below the ranch house and for a distance of 10,000 feet will be constructed along this grade. After following the levee for about two miles it will strike across country for Sunset. The country being level, the work of grading will advance very rapidly and it is expected that the road will be completed into the district at a date early in September. About eight or ten miles of the rails have been laid.

LOS ANGELES.

The Palo Solo company has been busy strengthening the derrick and pulling a string of 5⅝ casing.

The Home Oil company's No. 12, recently put on the pump, is proving to be a very good producer.

The new pipe-line to Evergreen station for the Murphy company was completed last week and the loading of cars begun.

The Whittier Crude Oil company's No. 1, recently deepened, has proved to have a production of about sixty barrels a day. The company has pulled the casing from No. 1, which was abandoned, and will begin drilling on No. 5 at once.

The Clarendon Heights company, which has let its contract for No. 3 to Fred Stone, began spudding the first of this week. The derrick for this well is on the side of a deep canyon, so that unusual difficulty has attended the putting up and rigging of the derrick.

The first company to take notice of the Whittier gusher is the Central, whose land adjoins the Murphy company, and which has the largest number of producing wells in this field. It is preparing to let contracts for a series of deep wells, the specifications calling for 2000 feet.

The Murphy well No. 2, of which so much has been said, is still keeping up its reputation as a record breaker. As a consequence of the discovery by this company of the large stratum of oil sand underlying the sand in which the other wells of this field have been sunk, much added development is looked for.

No. 1 of the North Whittier company, drilled near No. 2, was put down with great difficulty, and was persevered in more as a test hole than because of hope of a large production, as the casing was pinched down to a very small size. Finally, however, a body of light oil was discovered, and the well was put on the pump. While it has a small production, the quality of the oil is fine, and better results are expected of No. 2.

The North Whittier Oil company's No. 2 is now down about 600 feet, and within the last fifty feet it has struck the conglomerate formation of which it had so much in well No. 1. This time the officials have prepared themselves for it, by a doubly strong derrick and heavy drive-pipe, so that it is somewhat in the nature of a relief to encounter it. This company is operating at quite a distance from any other, and so all operations are watched with rather more interest.

ORANGE.

Development in the Fullerton field is progressing on nearly all the leases.

The Union company, in Brea canyon, has started the drill in well No. 22 on the north side of the canyon, 200 yards from the abandoned Edison well, which was drilled to a depth of over 800 feet without striking oil.

The Union has ten wells on the pump in Brea canyon and two on the Sansinena ranch.

The Brea Canyon Oil company has another new well, No. 10, almost ready for the pump.

On the Sansinena ranch the Union lost its tools in a new well, No. 7, at 500 feet, and after three weeks' fruitless fishing, the hole has been abandoned and the rig moved twenty feet, where another well will be drilled.

J. M. Kellerman has finished well No. 13 for the Union at a depth of 1660 feet. It will be put on the pump next Monday and will be a good producer. This company struck oil sand at a depth of 1070 feet in well No. 21. A rotary is at work in well No. 14 to keep the sand out of the casing.

SAN BERNARDINO.

The drillers on the Kramer Consolidated company's well at Kramer quit work last week on account of the heat, and the company has been looking up a new crew.

The drill being sunk for oil on the Cole & Harris ranch at Victor has passed through two strata of oil sand, and the drill is now being rushed down to the pay streak, which it is hoped to strike at a depth of between 700 and 800 feet. The oil discovered so far would make the well from a three to a five-barrel well, but it is thought a much greater stratum of oil will be discovered at a lower depth.

SOLANO.

After four weeks of hard work, drilling was resumed in the Rochester company's well. The well is down over 1300 feet and is in first-class condition.

Work continues in the Armijo well. The formations now being penetrated by the drill indicate that oil should be reached at no great depth.

Work in the Vacaville well has been delayed somewhat, but the indications at 1200 feet gave great encouragement to those intereste d in the company,

Geo. H. Corey, the well-known manufacturer of "Roofene," has leased 3000 acres of the Toland tract and will soon begin drilling for oil about half a mile from Toland's Landing. The first well will be sunk about half a mile from the Sacramento river and the derrick lumber is already on the ground. An oil expert recently examined the property and gave a most encouraging report. He expressed the opinion that a large body of oil underlies that section of the Montezuma hills.

SANTA BARBARA.

Driller Churchill, known in this county as a veteran oil man, has moved in a big rig from the Casitas pass country, where he drilled three dry wells for the Western Coast Oil company. He is to put down a well now in the Carpinteria valley.

Work on the Clampitt well, on the Hartwell rancho, in the north of this county, is temporarily suspended. Some pieces of machinery of the rig are being replaced. The prospects in the well are very fine.

The oil activity of this county centers, apparently, about the property of the North Star Oil company, at Summerland, where as many as four or five wells are completed in a month. Recently two wells, Nos. 4 and 5, were put under the pump. Each is yielding twenty barrels per day. Nos. 5, 6 and 7 are practically finished, but have not yet been tested as to their capacities. They would seem to be as good as the others. This company is rapidly developing a good piece of the territory.

SAN BENITO.

The rig for the Calistoga Oil company arrived and will be placed in position some time next week; it is a Keystone rig No. 9.

The Esmeralda company, which was operating with a hand rig, has shut down, it being rumored that they will put up a standard rig in the near future.

Enterprising citizens of Gilroy came to the aid of the Gilroy Oil company last week and subscribed $3000 in order that drilling might be begun immediately. This company now has sufficient capital to drill two wells.

The Nonpareil Conso.idated Oil company have decided to have Prof. W. L. Watts locate the site of well No. 3, and work will begin as soon as he has done so. Well No. 2, which is about 650 feet deep, is producing considerable oil of high grade quality.

The Fresno and San Benito company which has a St. Louis rig at work on its property had to quit owing to the insufficiency of said rig to penetrate the rock of this country. The company is now contemplating putting in a standard rig.

The Portia Oil company's rig has arrived and it is a first-class standard, purchased from Fairbanks, Morse & Co. of Los Angeles. This company will drill on section 8, close to the famous San Carlos well; the drilling will be in charge of Mr. John Plaugher, late of the Ashurst company.

Salt water is being found in some of the oil wells now being sunk in the Vallecitos. The Ohio company had a hard time shutting off a flow of salt water at 1000 feet. It is to be hoped the Vallecitos companies will not strike the same conditions existing here.

Messrs. E. M. Preston and M. L. Marsh of Nevada City, and Capt. T. N. Williams of San Jose, were in Hollister last week on their way home from the Silver Creek section, where they have been inspecting their oil lands. They are very enthusiastic over the outlook, and state that fine indications of oil are found on their land at a depth of ten feet.

That is certainly a curious well that is being sunk on the Topo. They sent the drill down a full thousand feet without striking a trace of water or using a bit of casing. One evening, just before quitting time, a slight seepage of water was struck, and the next morning there was over 200 feet of salt water in the hole The water was pumped out, and ever since the hole has been as dry as a chip, and it is now down about 1160 feet.

VENTURA.

O. A. Ivers expects to begin drilling at once on the property of the Big Sespe Oil company in the Sespe canyon. Several wells will be put down.

The well being drilled by Langdell Newmark and Rowan on the Robinson ranch on Sulphur Mountain is down 500 feet with a showing of oil in the hole. Professor Watts discovered a fine oil sand cropping on this property and this sand the driller expects to strike oil at about 800 feet.

The well of the Olga Ventura Oil company, a Boston corporation, is making a fine showing having pumped over twenty-five barrels of light gravity oil in four hours without diminishing the flow. Additional tankage has been ordered and as soon as set up work will be commenced on a second well.

Mitchell and Webb, operating on the Bracken ranch south of Whidden and Double in the Upper Ojai have begun pumping No. 1. It is about a fifty-barrel well. Some oil was found at 160 feet. They are selling their product to the Sulphur Mt. Petroleum company for operating purposes.

The Fillmore-Whit ier Oil company, after a year's experimental work in the Fillmore district has abandoned the field. They have purchased forty acres of land just east of Whittier, and are moving three carloads of rigging and machinery to that place for further work.

The Green Oil & Mining company has leased a large tract of land in Adams canyon for twenty years from the Union Oil company. Some years ago a fifty-barrel well was obtained on this property. The Green O. & M. company will both tunnel and drill. A tunnel already in over 100 feet, gives much promise of success. Oil is seeping in and it is hoped that water will be found to carry the oil out.

The Paxton Gold Bond company, operating under a lease from the Ferndale Oil company, are preparing to put down a well within a short time. They are now arranging for the erection of their derrick and the installing of machinery. They, as well as the Ferndale Oil company, have first-class land, and are surrounded by some of the best producing wells of Ventura county.

Over in little Sespe there is an oil company preparing to operate that has already spent upwards of $15,000 on building roads, and has not yet reached the place selected for the erection of a derrick. The Union company, in Torrey canyon and Tar canyon districts, has spent upwards of $30,000 in road building. This company is also laying many miles of pipe-line in the different parts of Ventura county.

The Markham company is immediately on the west of the Whidden-Dobble, and will soon be ready for operations. The Santa Ana and the Santa Paula adjoins this property, one well drilling. The Sobre Vista has a good well that is producing a fairly good grade of oil in liberal quantities. The Chillicothe Oil company and the Memphi Oil company are are directly east, and are reported as preparing to drill in a short time.

Whidden & Dobble Oil company, with 610 acres in section 2, 11-12, township 4 north, range 22 west, have finished well No. 5 at upwards of 900 feet, which they report as a good producer. They had a great deal of difficulty in the way of a fishing job. They finally recovered their tools, and in pulling the casing it broke in two, which delayed them for some wesks. After perforating the well it proved te be one that is quite satisfactory to the owners.

Immediately east of the Chillicothe and Memphi companies the Astarte has erected four derricks and have started drilling on one well. They have a fine property, and as there are about forty producing wells in their immediate territory, there is not a doubt but what they have a first-class proposition. On the north side of Sulphur Mountain the Santa Fe is putting down a well. There are several other companies operating there at the present time, some of which are drilling.

The Pure Oil company, on section 15, adjoining the Ferndale property on the east, township 4 north, range 21 west, has brought in a first-class well within the past few days. On the next section east the Empire company has nine producing wells, one flowing well. The company has a very high gravity oil, said to be the lightest in the district. Still east of them the Santa Paula Gravity company is hard at work on its property. Near by is the Windsor, also energetically at work on a well.

LOS ANGELES.

The Whittier Crude Oil company has begun spudding on No 5.

The Clarendon Heights company' which has two shallow producing wells on property adjoining the Warner company's land, is making good progress on No. 3, the contract for which was let to Fred Stone.

The Home Oil company is busy deepening two of its wells, No. 10 and 6. In the latter the crew has had some hard under-reaming to do.

The Palo Solo company has the best indications yet developed by it, but is having slow progress, owing to the casing sticking.

The B. B. company, operating near the corner of Fourth street and Western avenue in the local field has struck 100 feet of oil sand containing oil of 20° B. This is very unusual in this field, where the oil usually runs 14 to 17, and seems to indicate the discovery of a hitherto undeveloped sand.

KERN.

The Falcon is building a rig for its No. 2, Kern River.

Del Rey No. 4 has begun spudding in. The company has its three wells pumping.

J. E. Grey has leased of the Monarch company, twenty acres on section 2, 11-24. Mr. Grey pays a one-fourth royalty. He expects to begin development work on the property at once.

F. Roper, Solomon Jewett and others have deeded to the Wagont Development company all of sections 6, 10, 16, 18, 19, 20, 21, 28, 29, 30, 32, 34, 35 and 36; the SW¼ of 12; N½ of 8; S½ of 25; S½ of 26; S½ of 27; n¼ of 14, 30-23; the S½ of 18; W½ of 22; N½ and the SE¼ of 30, all of 26; S½ and NW¼ of 31 and all of sections 36 and 38, 39-24; all of 1, 2, 3, 11, 12 in 31-23 and all of sections 1, 2, 3, 5, 5, 7, 8, 9, 10, 11, 12 and 14 of 31-24.

GREAT LUCAS GUSHER.

Problem of Shutting in the Well and How It Was Solved.

Anthony F. Lucas thus tells, in the Mining and Scientific Press, how his great Texas gusher was brought under control:

"Since the unprecedented outbreak took us by surprise, it was necessary to improvise some means of preventing the total waste of the oil ejected, and at the same time to devise a method for getting the stream under control. To attain the first object, we hastily constructed dams or levees to surround the oil. The first one, about 2.5 feet high, was overflowed in twenty-four hours; a second and a third, embracing larger and larger areas, the latter covering about fifty acres, were likewise overflowed. The clay soil seemed to hold the oil fairly well, but the constant danger of fire was a source of great anxiety, by reason not only of the direct loss of oil, but also of the incidental damage which it might occasion; and, above all, because the ignition of the spouting column itself would make it difficult or impossible to recover and control the well. Even more important, therefore, than the immediate saving of the oil was the shutting of the well. Operations for both purposes were carried on simultaneously.

"I was flooded with telegrams, letters and personal applications by the hundred from parties proposing to undertake the closing of the well—for large rewards. Some of them required cash down (ranging from $30,000 to $100,000); some would not divulge their proposed methods until paid; others submitted their plans; most of them were cranks, but a few had very sensible ideas. I decided to give the first opportunity to my contractors, Messrs. Hammil Bros., subject to my approval of their plan, which I gave, after suggesting certain modifications.

"The apparatus used consisted of a carriage, anchoring an eight-inch gate-valve against upward movement; below the valve a short nipple, with an eight-inch tee attached. The whole apparatus was to be launched against the column of solid oil. This constituted the critical part of the operation. But, since the oil was spouting through a six-inch pipe and my main outside casing was eight inches in diameter, the new eight-inch valve, if successfully placed over and connected with the eight-inch well casing, would permit the stream to go on flowing with an enlarged diameter, (or, in other words, with one inch 'play' all around it), so that the flow would not be checked by this part of the operation. The result answered our hopes. Notwithstanding the violent impact of the oil column, the carriage was successfully placed over the well, and the valve, etc., were drawn down with the aid of bolts until the tee could be screwed into the eight-inch casing.

"When this had been accomplished the oil was freely flowing through the open eight-inch gate-valve. We then inserted into the tee outlet a piece of six-inch horizontal pipe, with a six-inch gate at the end; and, after bracing the eight-inch valve as firmly as possible, we gradually closed it, diverting the stream into a horizontal direction and carrying it out of the way. This gave us an opportunity to dig around the well beneath the derrick, and place foundations for an anchorage which would effectually hold down not only the valves, etc., but also the casings.

"After this we packed oakum tightly between the eight-inch and the six-inch casing; placed a heavy wrought-iron clamp around the former, and by means of strong set-screws secured the six-inch pipe against any possible upward movement. Finally, by closing the six-inch gate-valve on the horizontal pipe, the flow of oil was entirely cut off. This was done January 19, at 11:10 A. M., nearly nine days after the well began to flow. The pressure, after shutting down, as determined by a gauge connected with the tee, was 104 pounds per square inch—considerably less than had been inferred from the violence of the stream."

Trouble to Overcome.

Work on the Commonwealth well No. 1 in Kern River is again progressing favorably. The company has had a good deal of trouble in the drilling of the well. First, trouble was had with its engine, which was found inefficient, but this was overcome by the installing of a better one. Soon after this, heaving sand was encountered together with a large amount of water, and finally the tools got stuck and the company had a fishing job on its hands. The tools were, however, recovered Monday and the water has been shut off and drilling has been resumed. The management is confident that the oil strata, known to be underlying the property, will be encountered within a few feet.

Compressed Air Plant.

The compressed air pump which the Chicago Crude has installed was set in motion recently for the first time, and is now proving to be very gratifying to all interested in the well. Heretofore the company has been unable to get satisfactory results from this hole, but it is convinced by the showing made by the air pump during the first few hours that the trouble with the heaving sand will soon be overcome. The sand in the casing has been lowered several feet since the pump was put in operation.

Well No. 9 is making good progress and has a showing for a good well. No. 10 is down 1080 feet.

Oil Output.

Shipments of oil from the Kern River field for June are estimated at 300,000 barrels. McKittrick added about 30,000 barrels to make up the total output of Kern county of about 330,000. Whittier and Fullerton will make an increase in output this month, while Los Angeles in the last sixty days has probably decreased its output from 105,000 barrels to as low a point as 80,000, through cessation of drilling. Ventura county is probably about holding its previous good record.

Theory to Increase Capacity.

Superintendent Hersey of the "33" Oil company has solved the question of increasing the capacity of any producing well by baling out the sand and forming a cavity or receptacle at the bottom of the casing. In this way there is always a supply from which to draw directly instead of depending upon the seepage as it comes from the various stratas. It has often been noted that wells when kept clear of sand gradually increase in capacity as they are used, and tests which have recently been made prove that the theory set forth by Mr. Hersey is correct.—Californian.

Trouble with Pipe.

The Silver Bow company operating in McKittrick has had its eight inch drive pipe stuck in the hole for some time past, and after exhausting every means to raise it, has decided to cut the casing and move to a new location. The Californian describes one of the methods used in trying to pull the pipe. The casing was filled with water, after which a steam pipe was lowered into the hole and steam was turned on, and the pipe becoming heated, expanded. While in this condition it was put under a set of elevators into a set of wooden clamps, four Norton jacks and these in turn were put on top of four timbers stretched across the derrick floor; after the pipe was made secure at the top, it was allowed to cool. As it contracted, the four timbers were forced down through the floor and were buried several inches into the dirt. The drive pipe did not move an inch under this great strain, so the company decided to move to a new location.

The Santa Fe has sprayed its road with oil for several miles to the east and west of Bakersfield, and it is expected that the work will continue until the entire system in the State is oiled. The Burlington route oiled many miles of its road last year and obtained very gratifying results, and the Southern Pacific company gave about 100 miles of its road a coating with similar results last year.

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FOR SALE CHEAP.—A good Standard Drilling rig with two strings of tools. Wagons, galvanized wagon tanks, second-hand 9⅝ and 7⅝ casing. Lot of good lumber, dishes, stoves, etc. Everything in good order.
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CUYAMA VALLEY OIL COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1 00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

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STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending July 10:

	CARIBOU.	
200 at	75	150 00
300 at	78	234 00
	INDEPENDENCE.	
550 at	12	66 00
	JUNCTION.	
50 at	12	6 00
	LION.	
500 (B30) at	12	60 00
2000 at	11	220 00
	MONARCH OF ARIZONA.	
200 at	30	60 00
	MONTE CRISTO.	
100 (S90) at	1 95	195 00
100 (S90) at	1 90	190 00
	PEERLESS.	
50 at	4 95	247 50
100 at	5 25	525 00
175 at	5 00	875 00
	PETROLEUM CENTER.	
500 at	06	30 00
	STERLING.	
100 (S30) at	1 35	135 00
200 at	1 27½	255 00
Shares	5,125	Amount $3,348.50

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, July 10:

	CALIFORNIA STANDARD.	
1500 at	25	375 00
	CARIBOU.	
50 at	78	39 00
500 at	80	400 00
285 at	75	212 75
	HANFORD.	
1 at	95 00	95 00
	INDEPENDENCE	
1300 at	12	156 00
	JUNCTION.	
100 at	14	14 00
250 at	13	32 50
600 at	11	66 00
1250 at	12	150 00
	KERN.	
5 at	5 00	25 00
40 at	5 25	210 00
	LION.	
1500 (B90) at	12	180 00
2200 at	11	242 00
	MONARCH OF ARIZONA.	
400 at	30	120 00
	OIL CITY PETROLEUM.	
500 at	25	125 00
150 at	26	39 00
	OCCIDENTAL OF W. VA.	
1000 at	51	510 00
100 at	49	49 00
2625 at	50	1312 50
	PETRO. CENTER.	
1000 (S90) at	05	50 00
	PEERLESS.	
20 at	5 00	100 00
40 at	4 90	196 00
60 (B90) at	5 25	315 00
20 at	4 95	99 00
	REED CRUDE.	
600 at	40	240 00
	SOVEREIGN.	
200 at	35	70 00
	SAN JOAQUIN.	
10 at	8 00	80 00
	STERLING.	
100 (B90) at	1 35	135 00
200 (B60) at	1 35	270 00
100 (B90) at	1 37½	137 50
1000 at	1 30	1300 00
Shares	17,106	Amount $7,535.25

ANNUAL MEETING.

Notice is hereby given that the annual meeting of the Wild Goose Oil Company will be held in the office of the company, room 15, Nevada Block, 309 Montgomery street, San Francisco, Cal. on Friday, July 19, 1901, at 2 o'clock P. M., for the purpose of electing a Board of Directors to serve for the ensuing year, and the transaction of such other business as may properly come before the meeting. The books of the company will be closed on Tuesday, July 16, 1901.

A. P. SWAIN, Secretary.

San Francisco, June 28, 1901.

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South Dakota Charters

Send your Incorporation Papers to me. I will see that your Charter is all right.

I have handled all the applications for Charters for several years in the Secretary of State's Office, and know what is wanted.

PHILIP LAWRENCE,
Late Assistant Secretary of State,
Pierre, Hughes Co., S. Dakota

A Champion Knocker.

The Los Angeles Herald goes after the Oil City Derrick in this style:

It is a pity that the Oil City Derrick cannot rise to the opportunities which are presented to it. No other paper in the country is so widely recognized as an authority regarding the oil industry of the country as the Derrick, and the time is propitious for it to add to its repute. But those who feel the most keenly the need of a recognized spokesman for the oil industry in the East cannot but note the fact that the Derrick is groping its way as though it were blind in one eye. It sees in petroleum but one utility—that of an illuminant. It cannot recognize the fact, plain to everybody else, that during the last twelve months the oil industry has been born again, and that henceforth petroleum must be recognized in the world at large as one of the great fuels for driving the wheels of industry. Could the Derrick realize that fact; could it reach the high position for which its reputation equips it, it might quit the unseemly practice of posing as the champion knocker of the country. As it stands to-day, there is no section outside the pent-up Utica which can be seen from the housetops of Oil City for which the Derrick has a friendly word. In California and Texas it sees only a field for sneering comment, though those states are growing so rapidly as oil producers that the fact may soon be forgotten that Pennsylvania ever existed. There are persons so unkind as to intimate that the Derrick is inspired in its every utterance by the Standard Oil company, but it is not credible that the great organizers of the oil industry are the authors of the insults being heaped on California and Texas, when the company is itself making every plan possible to handle the oil of those states. The most charitable view that can be taken of the Derrick's continued onslaught on the oil fields of the southwest is that the editor of the paper never wandered outside of his own township, and consequently is excusable for the ignorance he displays. But for the Derrick's own sake it ought to take a casual glance at this state and Texas and attempt to rise to the opportunities which are presented to it, more than to any other paper in America.

Tale of a Texas "Gusher."

While the great Texas oil boom has subsided to very modest proportions, the "boomer" is still on deck and ready to turn everything to account that comes his way. The other day the J. M. Guffey Petroleum company's eight-inch pipe-line, between Gladys City and El Vista, sprung a leak; the oil was under pressure of two powerful pumps, and immediately a four-inch column of Beaumont crude was spouting 200 feet into the air. Some parties happened to see it spout for a few minutes, and immediately started the report of a gusher strike near Nederland. There was a rush for land and several heavy real estate deals were made on the strength of the reported strike.

When the excitement had quieted down a little, a search was begun for the alleged Nederland gusher, but no one was able to find it. The whole affair was regarded as a deep mystery for several days. The parties who saw the flow were positive they had witnessed the advent of another spouter and were ready to take oath to that effect. When the story was told to Mr. John H. Galey, his simple explanation of how it all happened was sufficient to explode it at once and for all. But every man who saw the oil spurting into the air becomes wrathy whenever the matter is referred to. There is no oil strike as yet in the vicinity of Nederland and the deepest well drilling is down less than 500 feet.

But it takes very little to start an oil rumor in Texas, and the Beaumont "boomers" are on the alert. A show of oil 25 miles away can be magnified into a 30,000-barrel well before the news is fifteen minutes old—Derrick.

Against the Scrippers.

A decision of the commissioner of the United States general land office was received by Register George W. Stewart of the Visalia land office July 3.

It settles the famous test case of the mineral claimants against the scrippers.

The title of the case is I. T. Bell et al vs. Richard M. Lyman and others.

The decision of the local land office in favor of the minera claimant is affirmed, and the commissioner goes further and holds that mining locations without regard to mineral discovery to be an occupation of the land.

The selection as to the entire section is held for cancellation.

The decision affects thousands of acres in several hundred locations.

Oil for Ferry Boats.

Permission was received Tuesday from the Secretary of the Treasury for the ferry steamer Oakland to use petroleum as fuel in place of coal to heat the boilers. This is in reply to an application filed by the Southern Pacific company some weeks ago, and will be followed by permits for the fleet not only of the Southern Pacific, but other ferry lines, as soon as plans showing satisfactory disposition of the oil tanks are filed with the department.

SECOND-HAND half-inch steel sand-pump line 1400 feet long for sale cheap. Addreas NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland. or F. CHAPELLET, 214 Pine Street, San Francisco.

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Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it Why invest in a fake company making false promises o immense dividends on lands which will not produce a bar rel? Ours is absolutely proven; failure impossible!

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50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near famous Home Oil Company and 160 acres adjoining an oil well in Napa Valley.

Drilling will begin in four weeks and well will be com pleted in sixty days, which, according to all our neighbors will be a very large one!

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LOS ANGELES MARKET.

How the Oil Problem Has Been Solved by Local Producers.

The Los Angeles Producers' Association, representing over two-thirds of the output of the Los Angeles local field, has for the past three months been trying to find a purchaser for its oil. The first overtures were made to the Standard Oil Company, as this company was supposed to be in a position to prevent the Kern River oil from competing with the Los Angeles product. A proposition was accordingly made to this company by the Producers' Committee, and it was thought that an agreement was about to be reached on the basis of the Standard taking the entire product of the members of the association on five years' contract at 65 cents. Time was taken to submit the proposition to headquarters in New York, and the reply came back that it was found that it would require a number of months to put in sufficient storage tanks to meet the requirements of the local field, and it was therefore necessary for the Standard to withdraw from negotiations to handle the Los Angeles oil on any basis.

As the Standard was the only company which was in a position to purchase the oil outright, the committee then turned its attention to marketing the oil on a commission basis and the offer of the Oil Storage and Transportation Company, the concern which has been handling the bulk of the Los Angeles oil for several years past, was considered favorably by the members and was accepted. The plan submitted by the Storage Company requires the co-operation of the producers in the following particulars:

First—The Storage company desires permission to sell 10,000 barrels of its own oil each month, having on hand about 60,000 barrels. This will close out their oil stock, and they agree not to handle any oil, except under this contract, as brokers or selling agents, for the ensuing five years, and only for members of this association.

Second—A total of 3500 barrels more per month, belonging to parties already contracted to the Storage company, which may become necessary to sell; this means 13,000 practically taking precedence over the oil deliveries of members of the association for the first six months of the contract.

Third—All oil in the field, other than the above on hand with the Storage company, must be pooled, so that only one-sixth of the oil shall be saleable each month.

Fourth—All members are to receive a price for the oil based upon the average selling price of oil sold during the month by the Storage company, with the stipulation, however, that should the average price be less than 65 cents, then this contract may be canceled and terminated.

Fifth—At the end of each month the Storage company will issue to each member of the association, delivering oil, a certificate showing the amount of oil to their credit at the close of the month unsold, being the excess of oil delivered, over and above the pro rata share of sales belonging to such member. This certificate can be sold only subject to the terms of this contract. That is, all contracts of members of the association for the delivery of oil to any party or parties in this field, shall be turned over to the storage company, when this contract becomes operative.

Sixth—The Storage company to receive a commission of 5 per cent for which they are to guarantee collections, including the expense of handling the oil, and pay for all oil sold on the 15th of each month, following that on which the delivery is made.

Pipe Line Surveys.

That there is something more than talk regarding pipe lines seems to be demonstrated by the fact that surveyors have been put out on a route from McKittrick through a pass in the mountains to the coast near San Luis Obispo, according to the Herald. Having completed that survey they are said to be now at work on one leading from McKittrick through Midway and Sunset and thence to the coast at Ventura. Rumor has it that whoever is making the survey is gathering data regarding the two routes to form a basis for estimating the comparative cost and difficulties to be encountered. Whichever route is adopted, it is said to be on the program to connect McKittrick, Midway and Sunset all with tide water, and thus greatly reduce the cost of marketing oil from those fields.

DISAPPEARED.

Many Inquiries Being Made For Messrs. Chaney and Ewing.

There are a good many people just now anxiously inquiring for the whereabouts of Messrs. Chaney and Ewing, who composed the Standard Oil Promotion & Investment company.

There is no doubt but that these gentlemen did a thriving business, and that their daily mail contained many letters enclosing checks and postal orders for various amounts.

The plan was to invest this money in oil stocks and various oil propositions, and to receive as compensation twenty per cent. of the profits, the balance being turned over to the investors.

For awhile the scheme worked well. Enough money was obtained to open sumptuous offices, employ a large force of stenographers, enable the two promoters to live like princes both night and day, drink and eat the best there was in the land, entertain their friends, and also pay some rattling good profits to the first investors. It is presumed that the "profits" which were paid to the first set of investors were obtained from the money sent by the second set of investors, and these in their turn were paid from the third set and so on.

This worked very well until the mail failed to bring in letters with the necessary cash. Money began to get scarce. Bills were difficult to meet. Attempts to borrow money in small sums failed The result was inevitable.

One day the office was closed and Messrs. Chaney and Ewing had departed.

Chaney has had considerable experience in fake oil companies. For a long time he was with Messrs. Hand and Morrison in the Big Panoche and Old Glory fake concerns, which were exposed last year by the PACIFIC OIL REPORTER.

Ewing two years ago published the "Oil Critic," but could not keep it going, and it soon ceased publication. He is effeminate in speech and manner, and was obviously the tool of the more experienced and forceful Chaney.

Some time ago the gentlemen applied for admission to the California Petroleum Miners' Association, and Col. Crane, at that time president of the Association, advised their admission to membership. His advice was unheeded by the committeee on membership, and the application was rejected.

When Col. Crane was turned down last month by the Association and started a rival concern "for revenue only," the first company that joined was that of Chaney and Ewing, and the two gentlemen and Col. Crane appeared on intimate terms of business relationship.

The whereabouts of the two gentlemen are at present unknown, and their office has been dismantled.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

Watch for Reports of

Kern Valley Oil Co. 1st of July

If you are a stockholder increase your holdings. If you are not a stockholder buy now while you may.

Office: Room 13, 5th Floor, Mills Building.

OILED ROADS.

Some of the Points in Preparing Them.

A recent issue of the Redlands Citrograph contains an article by Supervisor White of San Bernardino county on the use of oil in sprinkling roads in that county, both for the purpose of laying the dust and of forming a solid road. Mr. White's article may be summarized as follows:

In working for permanent results from 100 to 150 barrels of oil per mile are used on a roadbed eighteen feet wide.

Good results are obtained from the use of oil on soil that packs hard and on loose alluvial soil, but there is uncertainty regarding its value on loose sand. Roads compose of clay or limestone should receive a light sprinkling of oil before the oil is applied.

Oil on land carrying much alkali forms a soap and washes off. Such roads should be kept covered with other soil.

Make roads in the fall, let them get thoroughly soaked, and apply oil in the spring before getting cut up. Wet roads must be drained. The surface of the ground must be dry when oil is applied.

Oil is applied while hot—from 200 degrees upward. It is well to heat the oil in tanks with the aid of steam pipes.

Ten or twelve miles is about as far as oil can be hauled in the sprinkling tank wagons for use before it cools off too much.

An ordinary lever harrow can be used on the streets before and after oiling to prepare the ground and mix in the oil. The teeth must be well slanted back.

It is well to have a repair outfit, consisting of a tank holding a few barrels of oil which can be heated at the roadside.

Not more than a quarter of the amount of oil used in the first application is necessary in succeeding years to keep the road in good condition.

Oils heavy in asphalt are the best for this use.

About five per cent of water in oil makes it objectionable.

The cost of oiling roads varies with the cost of oil, the distance it is hauled, etc.

As compared with the cost of sprinkling roads with water to lay dust, if the original application is charged to road construction, it is much cheaper as well as more effective.

A long period of wet weather with heavy traffic would lead to an oiled road becoming cut up and greatly damaged, but in this climate that is seldom experienced.

Experience has shown that oil to a great extent prevents the disintegration effect of storm water.

Oil used on macadamized roads to which a little sand has been applied, has given good satisfaction.

Sunset Railroad.

The grading force on the new railroad is making progress on its way to Sunset. The grade is now built to a point about ten or twelve miles from Hazelton, and like much of the road that has already been completed the balance is easy grading and will permit of rapid advancement. The new road strikes the lake levee about one mile below the ranch house, and for a distance of 10,000 feet will be constructed along this grade. Instead of being built on the levee and displacing the narrow gauge track, the grade will be extended, and the new rails laid about ten feet from the old line. After following the levee for about two miles it will strike across country for Sunset. The country being very level the work of grading will advance very rapidly, and it is expected that the road will be completed into the district at a date early in September. About eight or ten miles of the rails have been put in place.

Kerr's Reports, Incor.

A company has just been incorporated in Arizona and in California, capitalized at $1,000,000, which undoubtedly will prove of great benefit to the oil industry.

The object of the company is to find out the absolute truth in regard to the various oil companies now operating on the Pacific Coast, principally of course in California.

The company has had its agents operating for some months in various oil districts in the state and has carefully compiled much interesting and important data concerning over 2,500 oil companies of greater or less importance.

The result of their investigations has been compiled in tabular form and shows name, domestic or foreign, capitalization, par value, exact land location, investigation of title, kinds of stock, total acreage, different share price quotations, whether charters are voidable or not, and other similar data. The management of the different companies is rated, estimates are made of the prospects and land assets, and every information possible is obtained as to the standing and financial responsibility of oil companies.

The subscribers and patrons of Kerr's Report will have the benefit of the information thus gathered.

The office of the company is at 318 Kearny street.

Bad Accident.

Mr. C. C. Crowley, head of the detective department of the Southern Pacific company, and largely interested in various oil enterprises in the Fresno-San Benito district, met with a serious accident on July 5, while endeavoring to open a rusty derringer pistol which had been taken from a Fourth of July reveler. The pistol was accidentally exploded, four bullets entering Mr. Crowley's left hand, from which they were extracted. The wound, though painful, is not serious.

In the Midway.

The Midway is likely to languish for some time until the 60,000 feet of pipe for the water line shall arrive. Some of the shipment is on the ground, but not enough, and the result is that everything is at a standstill. Canfield & Chanslor, who are the largest owners in the district, and who are putting in the pipe line, are away from Bakersfield and have been for some time, so there is really no reliable source of news about the district. There is no question, however, about the development as soon as the pipe line shall have been completed. The reason for the delay in delivery of the pipe is not known.

FREMONT OIL COMPANY

Incorporated in South Dakota. Capitalized for $300,000 Owns 80 acres and owns 30-year lease on 320 acres at Ono in Shasta County. Stock non-assessable; 50c per share; par value $1.00.

President, Aaron Bell, Redding, Cal; Secretary, Geo. B. Millar, Evanston Ill.

Information furnished in detail on application. Office, 1212 Fisher Building, Chicago, Ill.

Calistoga Oil and Development Company

Owns by Purchase

and holds by long-term leases, in all

2120 Acres of Oil Land

Situated in **NINE DISTRICTS** in six counties of California. This is a sweeping statement, but our prospectus explains in detail. Write for a copy and carefully analyze our plan. We are the pioneer drillers in Napa County where **LUBRICATING OIL** is found in numerous springs. Our first well, commenced May 15, 1901, when completed, will put on stock above par. You can buy for a short time a limited amount of stock at **50c.**

Procrastination may deny you an income.

Better write to-day.

Office 23 and 24 Merchants' Exchange

SAN FRANCISCO, CAL.

We Have Producing Wells on All Sides

Our location is in the southwest ¼ of southwest ¼ of section 19, 28-28, Kern River.

WE ARE DRILLING

On May 27 our stock will advance to 25c.

First well completed about June 1st.

We will complete twelve wells.

Our company owns 640 acres in Fresno-San Benito district, and 80 acres in Monterey county soon to be developed.

Full information at company's office, room 16, eighth floor, Mills Building.

California Crude Oil Co.

LED F. WINCHELL, President.

T. A. KIRKPATRICK, Secretary.

HON. JAMES G. MAGUIRE, ex-U. S. Congressman, Director and Counsel.

First National Bank of San Francisco, Depository.

When you want to swear go to

LEE D. CRAIG

Notary Public and

Commissioner of Deeds

316 Montgomery St.

bet. California

and Pine, San Francisco.

OIL AND GOLD

Ventura Consolidated Crude Oil Company

Owns 2720 acres Oil Land and Valuable Leases with Producing Wells. Also fine Gold Mine. Limited amount of Treasury Stock at 10 cents per share. Best Stock Investment in the Market.

WANTED, AGENTS.

W. G. YOUNG & CO.,

Fiscal Agents.

628-30 Laughlin Bldg., Los Angeles, Cal

IMPORTANT DECISION.

Location Valid When Made Before Discovery.

A decision of importance to oil land locators was handed down by Superior Judge Mahon when he decided in favor of the defendants in the suit instituted by F. F. Weed and others against Walter Snook, the Vesuvius Oil company and others to quiet title to the S½ of the NE¼ of 12, 11-24.

The Californian says the land in question is claimed as a placer mining location known by the plaintiffs as Lion No. 1. The defendants admitted that they claimed an interest to the land adverse to to the plaintiffs, and base their claim also upon a placer location on the same ground and designated as the Pacific Placer claim.

The plaintiffs contended that a location prior to a discovery was not valid and that they as discoverer of oil had a right to locate the land in question, which had formerly been located by the defendants but prior to discovery.

The defendants, among other things, claim that a discovery is not absolutely essential to the validity of a placer mining claim, and that the discovery of oil in the well drilled by Lion No. 1, and that the location of Lion No. 1 made on December 24, 1900, was void, because the discovery upon which it was based was within the limits of a valid location. The decisions looked into and quoted clearly hold that a location can be prior to discovery and pending development work the land is not open and vacant to location by others.

Santa Fe Railroad Test.

President Ripley of the Santa Fe made the following test to establish the relative merits of coal and oil for fuel.

Twenty-five passenger and freight engines on a thirty day run used 1077 tons of oil and traveled 87,063 miles, or 41.9 miles per ton, or 3,500 miles per month per engine. Oil at $1.33 per barrel would, at this figure, cost 14, 4-10 cents per mile.

Twenty-five passenger and freight engines (same thirty days, same track and same conditions) burning coal cost 23, 2-10 cents per mile. The oil was 15 degrees Baume (about the same as the Kern River oil, which is 14 to 17 degrees Baume). This showed a saving for oil of 38 per cent.

And the experiment was tried with oil at $1.33 per barrel, as against coal at $6.65 per ton. President Ripley, by further experiments, figured that oil at $2 per barrel is the equivalent to coal at 6.60 per ton.

Can any one reasonably doubt the future of California oil under these circumstances when it is remembered that Kern River oil costs 4 cents per barrel to produce?

Stamped with Success.

Many a home has been brightened by the successful issue of a little judicious investment. Such opportunities are not rare in this day of great opportunities, requiring but good judgment and the investment in the stock of an oil company whose efforts are being stamped with the indelible mark of "success." A company who can stand up under the searchlight of the most piercing investigation, and it must then necessarily follow that upon the completion of their development work large profits will be made for their stockholders.

Apropos to the above is the Standard Consolidated Oil and Land Company, whose second block of treasury stock has been placed on the market at 20 cents per share. This price is based upon the amount of development work already accomplished and therefore gives every share of stock in the company an intrinsic value. The Standard Consolidated offers one of the best investments for surplus money to-day and in consequence the demand for this 20 cent stock shows a steady demand call with no signs for abatement. Investors will do well to investigate the affairs of this company as they will find a channel for the investments of their money which guarantees security for their principal and large profits to be derived in the near future.

Oil Companies Incorporated.

Athenian Oil company. Principal place of business, Oakland. Directors: H C Capwell, A K Crawford, Thomas Turner, Hugh Hamilton, A C Ballingall, A J Wilson. R Higgs all of Oakland. Capital stock, $300,000; subscribed, $7.

Alpine Oil company, Arizona. Incorporators: E A Mutch, J F Bumille, R R McKinney, C F Dollinger, J E Sanford. Branch office at Los Angeles. Capital stock, $250,000.

Pilgrim Oil company. Principal place of business, Bakersfield. Directors: J G Edwards, L S Harman, A J Spurlin, S B Holton, Rosedale, and J A Roberts, Fresno.

California Cygnet company. Principal place of business, San Francisco. Directors: C L Fair, I W Lees, J P Coughlan, J Harvey, and C A Lees. Capital stock, $200,000; subscribed, $25.

Oleo Crude Oil company. Principal place of business, San Francisco. Directors: G W Jackson, E G Zeite, H N Williams, F P Russell and L N Labin. Capital stock, $200,000; subscribed, $25.

Vulcan Oil company. Principal place of business, Phoenix, Ariz. Directors: E Theilan, F H Sanborn, W S Hill, H A Prizzer, J G Routsan, H N Goff and J A Mackinnon. Capital stock $250,000.

Land & Oil company. Principal place of business, Eureka. Directors: S M Buck, J F Coonan, T W Hine, Eureka; William J Hamilton, Fon du Lac, Wis; H W Hamilton, Glendale, Ariz. Capital stock, $24,000; all subscribed.

Sobra Vista Oil company. Place of business, Tucson, Ariz. Place of business in California, San Francisco. Directors: C L Webb, John B Mitchell, J A Percy. Capital stock, $500.000.

Ventura Tide Water Oil Producing company. Principal place of business, Los Angeles. Directors: H R Coate, J W Thayer, W J McMillen, H W Alden and W S Adams. Capital stock, $50,000; subscribed, $18,000.

Rock Creek Oil company. Principal place of business, Tucson, Ariz. Directors: J B Nichols, O H Hubbard, I F Johnson, T I Phillips, G Probert, W Meek and C C Davis. Capital stock. $600,000.

California Oil Fields. Principal place of business, London, England. Directors: R Balfour, J Beausire, J Halliday, C N Moore, A Williamson, H G Schintz and J S N Banner. Capital stock, $1,500,000.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

25 Cents Per Share

Derrick Is Now Being Erected for Our First Well

25 Cents Per Share

THE FRUIT VALE PARAFFINE OIL COMPANY

Incorporated with a strong directorate under the laws of South Dakota. Capital stock, 250,000 shares. Par value $1.00 per share—150,000 shares in the treasury. A leading geologist says: "I consider this company is to develop a long neglected Bonanza." Only a very limited amount of stock to be sold. For information write to

THE FRUIT VALE PARAFFINE OIL COMPANY

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Room 13
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San Francisco

Stock Non-Assessable

Atlas Pipe Wrench

A High class Dropped Forged Steel Tool.

Quick, effective and Positive in adjustment. The good qualities of Chain Pipe Wrench and Screw Pipe Wrench combined without having the faults of either.

Made in four sizes: 10, 18, 24 and 36 inches. Handling from one eighth of an inch wire to 4½ inch pipe. For sale by Hardware plumbing and oil well supply Dealers.

ATLAS PIPE WRENCH CO 51 Flood Building, San Francisco.

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MINING, MILLING and MACHINE CASTINGS

Rig Irons, Sand Reels, Sand Pumps, Drilling and Fishing Tools, Heavy Forgings.

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Lacy Manufacturing Company

Manufacturers of

Steel Water Pipe
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OIL STORAGE AND WAGON TANKS

Oil Well Casing Oil Stills

Works: Cor. New Main and Date streets. P. O. Box 231
Telephone, Main 196. Baker Block. Station C

Office, 334 North Main Street, Los Angeles, Cal.

The Barrett Oil Well Swivel Wrench

For carrying and placing bits in drilling stem boxes

Drilllers, to be successful, should use the best and latest appliances as it is LABOR. TIME AND MONEY SAVED.
It is only necessy to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.

——MANUFACTURED BY——

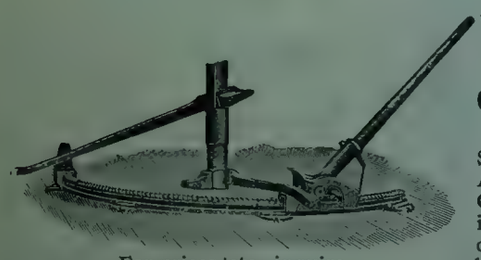
J. BARRETT, Allegheny, Pa.

W. FORGIE

Manufacturer

OIL & GAS WELL
RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.



For prices, etc., inquire

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The only Wire Rope Factory on the Pacific Coast.

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For all purposes and with every possible combination of Wires, steel and iron, galvanized or plain.

Wire Ropes
Of all Kinds
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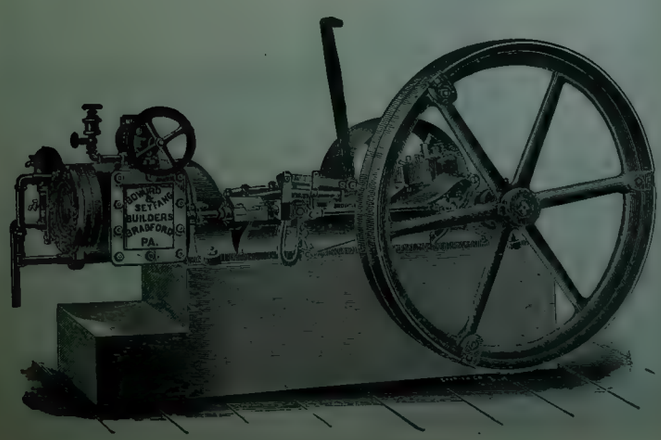

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OIL WELL DRILLING MACHINERY

TOOLS AND SUPPLIES

ENGINES, BOILERS, PUMPS, ETC.

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PROMPT DELIVERY CORRESPONDENCE SOLICITED

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francsco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

GRAND PACIFIC OIL CO.
Capital.....$1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in MKittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona

J S POTTS OIL, LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1.
Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president; John Ferrin vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson D Horland, Wm J O'Connor. Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg.
Member of the California Petroleum Miners' Association

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27. Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO. OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 20 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn vice-president; M. M. Kahn, secretary, Hugo D Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River, district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, Jonn R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500.000 shares at $1 00.
Incorporated under the laws of California.
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23. Officers—Geo. W. Turner, President; George R. Hansbrow, Vice-president; E. N. Sewell, Secretary and Treasurer; H. W. Merritt, J. H. Dorn. W. W. Hutchinson Maurice V. Samuels, Attorney; W. R. Stammers, Manager; Union Trust Company, Depository.
Office—321 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, ICal,

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota.
This is our property—2140 acres, Kern county; 134 acres, San Diego county; 320 acres, Glenn county; 800 acres, Tehama county; 4860 acres, San Benito county; 140 acres, Monterey county; 800 acres, Fresno county; 400 acres, Humboldt county—9594 acres.
Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; Union Trust company, treasurer; W E Robinson, Springfield Ill., Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 228 A street; Portland, Ore, McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco, Cal

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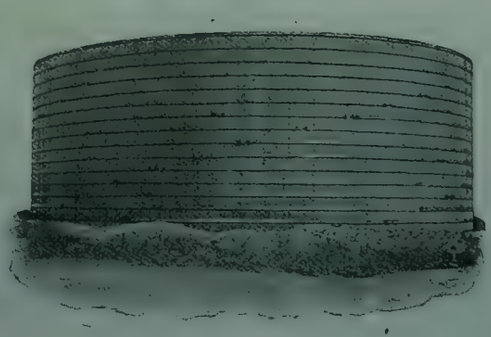

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R. K. ROBERTS, Secretary
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VOLUME 2 NUMBER 37

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, JULY 19, 1901.

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Land lies ½ mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick. There is no superior land to ours in any district.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it Why invest in a fake company making false promises o immense dividends on lands which will not produce a bar rel? Ours is absolutely proven; failure impossible!

All our neighbors have large producers!

Within 150 feet to 500 yards.

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near famous Home Oil Company and 160 acres adjoining an oil well in Napa Valley.

Drilling will begin in four weeks and well will be com pleted in sixty days, which, according to all our neighbors will be a very large one!

Inside of a few weeks 50 cents per share.

Delays cost money. Send for prospectus.

STANDARD ROCK OIL COMPANY

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16,400 ACRES OF PROMISING OIL LANDS

In San Bernardino County, California.

are offered at a bargain. These lands have been most carefully selected by the best Oil Experts, and samples of the oil received therefrom indicate the highest quality. Besides oil, important mineral deposits have been disclosed, offering exceptional opportunity to a syndicate to push development on a most profitable basis.

On this land are oil seepages and outcroppings of the finest looking oil sands and shales, also deposits of nitre, borax, and in another part gold and copper ledges of unknown extent, all of which gives these locations a high prospective value.

Mr. M. L. Cook, County Surveyor of San Bernardino County writes regarding these lands:

"DEAR SIR:—Your communication of the 5th at hand. You ask me what my opinion is of the territory you have located for oil lands in the section of the country I have recently surveyed for you. I will state that I have gone over the entire territory and during the past two months have surveyed and examined the country along the entire length of this particular oil belt in which your locations are situated, I can state that your territory is as good as any located thereon, and I consider it superior to the country near what is known as the Black Ranch or the Hiawatha fields. I will further state that I was in the country early, and had my choice of ground, and I selected the same locality in which you have located, and I can also state that the company in which I am interested intend to put down a well on the ground immediately adjoining the lands which you have located. The lands which I surveyed for yon contain 16,400 acres."

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The lands of this company are located in the Devil's Den Oil District of Kern County, where a much higher grade of Petroleum has been developed than is found in the famous Kern River fields, and is pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, we are actually at work. We have no promoter's stock and are selling only treasury stock, every dollar of which goes into the development fund, which is held intact to pay for drilling operations only.

25,000 more shares at 5c per share. Stock may be withdrawn from public sale on July 1st. This is an opportunity for you to share in the profits of a well-located and entirely legitimate business enterprise. Buy now. This is a sure, safe investment. Send all applications to

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SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.

WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.

FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PACIFIC OIL REPORTER

VOL. 2. NO. 37. SAN FRANCISCO, CAL., FRIDAY, JULY 19 1901. PRICE, TEN CENTS

IN SECTION 29.

The Columbian Oil Company's Development Work.

Plans For New Air Compressor—Five Wells to Be Drilled—Log of No. 2—Other Holdings of the Company.

Another company is preparing to put in an air compressor plant in the Kern River field—the Columbian, whose four derricks rise in the very center of the proven territory of the Kern River field, surrounded by a forest of others, for there are over fifty producing wells on this section alone. This company has three wells in oil. No 2 has been pumped on the beam for some time past, and made a record of 900 barrels a day, but the management desiring to be conservative, after making an allowance for gas, sand and foam, has placed the output at 250 barrels a day. Well No. 1, 250 feet from No. 2, and well No. 3, have the same formations and the same amount of sand, and ought to do equally well.

The formations in this part of 29 may be considered characteristic of the Kern River field. No. 2 well has 397 feet of oil sand, first reached at a depth of 460 feet through strata of clay and sand. The record of the oil sand strata of this part of the Kern River field is of much interest to operators, and is as follows:

Well No. 2	Depth From	Depth To	Oil Sand
Sandy clay	0	460	.....
Oil Sand	460	525	65
Blue clay	525	538	.....
Water, sand—little water	538	585	.....
Oil sand—good	585	610	25
Blue clay	610	620	.....
Oil sand	620	720	100
Blue clay	720	735	.....
Oil sand—fair	735	750	15
Oil sand—good	750	780	30
Blue clay	780	790	.....
Oil sand—good	790	800	10
Blue clay	800	830	.....
Oil sand—good	830	900	70
Blue clay	900	908	.....
Oil sand—good	908	955	47
Blue clay	955	965	.....
Oil sand—good	965	980	15
Blue clay	980	985	.....
Oil sand—rich	985	990	5
Blue clay	990	1,000	.....
Oil sand—rich	1,000	1,015	15
Total			397

The well is cased with 590 feet of eleven and five-eighths, 767 feet of nine and five-eighths, and there were 1016 feet of seven and five-eighths, which was cut at 745 feet and removed, leaving 271 feet in the well. Drilling was begun April 12 and completed May 24th of the present year, making the time required forty-three days.

This famous section is one of the most noted in the Kern River district. It contains forty-nine producing and eighteen drilling wells, as will be seen from the following statement:

	PRODUCING	DRILLING.
Canfield	19	2
Continental	5	0
Loma Vista	0	1
T. Continental	1	0
Eastern Star	5	3
N. Y. California	0	1
Mecca	0	2
Alva	1	0
Hecla	1	1
Bolena	1	1
Vernon	3	1
Columbian	3	1
Missouri	1	1
Piedmont	1	1
Linda Vista	1	1
Richmond	0	1
Sacramento	6—49	1—18

The company in deciding to put in a compressor plant, has been influenced by the success attending this process on the Globe, Eastern Star, and other companies, where it was installed by the Pacific Coast Manufacturing company of Los Angeles. The air process has shown so much economy in saving wear of sucker rods and pump valves, not to speak of its effect in removing sand and its ease of regulation, that it should pay for itself in a short time. The company intend installing a plant of sufficient capacity to pump twenty wells, as they intend to drill one well to the acre on their twenty acres in 29.

The location of the Columbian is particularly well placed as regards transportation facilities. The "29" spur of the Southern Pacific company runs within 750 feet of the company's property and the main line of the branch is only one and one-quarter miles distant.

The Standard Oil company's pipe line is now being laid to the company's property. The company has arrangements which will insure it a market for all the oil it can produce. It has contracts let to sink five additional wells, which are to be started by September 1, when there will be seen the unusual spectacle of five wells being drilled at the same time by a single company. As the cost of a well is in the neighborhood of $5000, it is plain that a company which can carry on this amount of development must have an abundance of capital and substantial backing. A little figuring will show that even with the present low price of oil three wells producing 10,000 barrels a month will give an income of $2,500, with no expense except pumpers' wages, and the cost of sand-pumping, so that oil production is still abundantly profitable.

The Columbian has a considerable advantage over many Kern River operators in owing its land outright, and the strong financial standing of the company make the liability to assessment out of the question. More than one company operating in California fields has been obliged to resort to this method of raising funds for operating expenses to carry on development in a dull season like the present.

The Columbian holdings include the S½ of the SE¼ of the NW¼ of 29, 28-28, already mentioned, and in addition to this it owns forty acres comprising the NW¼ of the SW¼ of section 8, 28-27 on the line of development northwest of the Kern River field, and has a twenty-year lease on a one-eighth royalty on forty acres of railroad land at McKittrick located on 7, 30-22, adjoining the producing wells of the Kern River, McKittrick and McKittrick Consolidated.

Columbian Well No. 1 and Its Reflection in the Oil Cistern.

The personnel of this company comprises men of the highest business standing and integrity. H. W. Meek, the president is also president of the Oakland, San Leandro and Haywards Electric Railway and a well known capitalist of Alameda county. The other officers are prominent business men of San Francisco and Oakland as follows: E. B. Stone, Vice-President; F. N. Belgrano, Treasurer; George W. Reed, Attorney; R. P. MacDonald, Secretary; C. B. Colby, Asst. Secretary and F. P. Fuller, Manager.

The Directors are: H. W. Meek, E. B. Stone, F. P. Fuller, F. N. Belgrano and G. W. Reed.

The company has offices at 900 Broadway, Oakland, and at 487 Parrott building, San Francisco.

THE PETROLEUM INDUSTRY.

Rapid Development of the Oil Fields of California.

An interesting lecture on The Development of the Petroleum Industry was recently given before the Science Association of the University of California by Prof. Edward O'Neill of the chemical department of the university, who has been making special chemical studies of California petroleum. Regarding this phase of the subject he spoke as follows:

"Crude petroleum is used to a very slight extent otherwise than as a fuel, as a mixture of insecticides, and for coarse lubricating. A quantity is also used for gas-making, but it is then no longer petroleum. For all other purposes it must be refined, and this is usually effected by distillation.

Crude petroleum is made up of a very large number of products of different boiling points, some gaseous, some liquid, and some solid. On boiling the oil and condensing the vapors, first the gaseous, then the liquid, and then the solid pass over, a non-volatile residue being left in the still. These distillates and the residue are not simple bodies, but are themselves made up of a number of different bodies, that may to a certain extent be separated by more or less complicated methods. As a rule, no attempt is made to prepare these bodies in a state of chemical purity, but commercial products, fitted for particular purposes, are made, and they are usually mixtures of a large number of bodies.

Of these commercial products the most valuable is illuminating oil, known also as kerosene, coal oil, burning naphtha, and by many other names. This is the part which in American oils has a specific gravity of about 0.800-0.840 and a boiling point of about 150° to 250° C. The Russian burning oils have a higher gravity and a lower boiling point. The essentials of a good illuminating coal oil are simplicity and homogeneity of composition and small carbon contents, low specific gravity, low viscosity, and high boiling point. An oil of high carbon contents and complex structure will give a smoky flame and disagreeable odor. If the gravity and viscosity are high, then it will not flow readily through the wick. If it contains low-boiling constituents even to a small extent, it is liable to give off inflammable and explosive vapors when the oil is only slightly heated. Pennsylvania petroleum yields a large quantity of distillate that possesses these desirable qualities to a great degree, while from Russian and California oils only a small amount of such distillate can be obtained, and even this small amount possesses certain defects. Hence the greater value of the Pennsylvania oils. Of course it is possible to construct lamps to burn this inferior oil satisfactorily, and it may also be possible to devise a chemical method for improving the oil, but as yet it has not been done. The great mass of California distillates is used to mix with Pennsylvania oil and give a cheaper grade. Of course, from any crude oil, by repeated distillation and treatment, some desirable burning oil can be made, but a large percentage is what is profitable. Various instruments and tests have been devised for testing the quality of an illuminating oil to determine its safety and value. All the European countries and many of our states have passed laws defining the requirements and regulating the sale of oil, but as yet California has no such law. An attempt to enact one at the last session of the Legislature met with failure.

The portions of the distillate boiling at lower temperatures than the illuminating oils are also of considerable commercial value. They are known as gasolenes, rhigolenes, ligroines, benzenes, petroleum spirits, and by many other names. They are used principally for solvents of fats, oils, varnishes, paints, etc., for gas engines, gas machines, ice-making machines, and for a great nnmber of other purposes. The higher boiling portions of the distillate are employed chiefly as lubricants, and any desired quality can be made. Still higher boiling portions that condense to solids or semi-solids are of considerable commercial value. Such are the vaselines and paraffines. Here, again, Pennsylvania oils are superior, yielding larger amounts and usually a better quality of the products. On the other hand, California petroleums are superior to Pennsylvania oils, inasmuch as they contain asphaltum, sometimes to a very large extent. This is left in the retort after distilling off the other constituents. It is of great purity, being free from the sand and earthy matter that make up such a large part of natural asphaltums. These latter often contain 50 per cent or more impurities, which means a great deal when we consider freights.

Simple distillation is not sufficient to prepare the above substances so that they can be satisfactorily used. They must be subjected to a more or less complicated process of purification. This usually consists in distilling, washing with acid (usually sulphuric), alkali (usually soda or ammonia), and water. Sometimes these distillates are sprayed through air to remove disagreeable-smelling constituents. Some of the oils are bleached, either by the sun or by chemical reagents. Sometimes they are filtered through charcoal or bone-black. In the case of solids recrystallization is usually resorted to, that is, the body, such as paraffine, is dissolved in some of the low boiling constituents, usually naphtha, and the solution cooled in ice and salt. The paraffine crystallizes out. These crystals are put in bags and the excess of solvent squeezed out, and the process repeated until the product is sufficiently pure. The white solid substance obtained from Russian petroleum is known as alboline, and is not identical chemically with paraffine.

The process of refining is mechanically quite simple. The oil is distilled from large iron or steel vessels, shaped like steam boilers, holding usually about twelve hundred barrels. Steam heat is sometimes used at first, or they may be heated directly with a burner. The gases that are at first given off or that result from the decomposition of the oil by high temperatures, are often utilized to heat the stills. The vapors are condensed by passing through long iron tubes immersed in cold water. If it is desired to save the very lowest boiling fractions, they must be condensed with ice and salt. The remainder of the oil is then distilled into three fractions:

First having a gravity of 75° to 58° B.

Second having a gravity of 58° to 38°.

Third having a gravity of 38° to 25°.

The first fraction is distilled into gasolene and A.B.C. naphtha. The second is distilled into various grades of kerosene and washed and purified as heretofore indicated. The third, known as paraffine oil, is cooled and the paraffine separated out. This is recrystallized several times as already explained. The percentage of these various constituents varies according to locality, and particularly is this so in California. Eastern oils contain from 10 to 30 per cent of light oils, 50 to 75 per cent of kerosene, and 1 to 35 per cent of heavy oils containing paraffine. Russian oils contain 1–50 per cent of light oils, 10–40 per cent of kerosene, 40–85 per cent of heavy oils containing paraffine. California oils contain 1–30 per cent of light oils, 5–50 per cent of kerosene, 10–40 per cent of heavy oils, 1–40 per cent of asphaltum. To a considerable extent the proportions can be varied by varying the time and temperature of distillations, whereby the constituents are more or less decomposed. This operation is technically known as cracking, and to prevent this the distillation is sometimes conducted in a vacuum, whereby high temperatures are avoided. This mechanical and chemical treatment of course adds greatly to the cost of the oil. If we add packing, freight, and profits of distillers and middlemen, the consumer may have to pay as much as twenty cents a gallon for a refined oil, when the crude oil at the well is sold for less than two cents a gallon. But even twenty cents a gallon is a great reduction from the price in 1840, when it sold for from ten to twelve dollars a gallon. In California until comparatively recently, there were only three refineries—one at Newhall, belonging to the California Star Oil Company; one at Alameda Point, belonging to the Pacific Coast Oil Company; and one at Oleum, in Contra Costa County, belonging to the Union Oil Company, which one was founded at Santa Paula, in Ventura County. Now there are ten, and the number will soon be increased. One of the greatest dangers in an oil refinery is fire, and many distrastrous losses have occurred in the burning of various works. But it is extraordinary, considering the inflammable nature of the product, that comparatively there are so few conflagrations.

Petroleum, chemically considered, is a liquid varying, usually very complex, composition. The color varies from clear water white, through various shades of yellow, amber, red, and brown to black. Its viscosity varies from great mobility to a thick tarlike mass. The specific gravity likewise varies, the extremes being from 0.771 to 1.020. The refractive index and coefficient of expansion are high; the specific heat is low; but as in the case of color and specific gravity, there is a great variation in the oils from different places. Usually oils from the same locality resemble one another, but not always. In California especially the variation may be very great in oils from contiguous territories.

This great variation in physical properties is, of course, dependent on differences in chemical composition. Petroleums from different regions are totally different in their structure. The Pennsylvania oils are the simplest, Russian and California oils much more complex. But the simplicity is only relative. From Pennsylvania oils scores of substances may be obtained, and many of them are prepared on a commercial scale. The essential difference between Pennsylvania and Russian and California oils is that the former, viz., Pennsylvania, are made up mainly of what are known as methane derivatives or paraffines, while Russian and California oils contain relatively small amounts of these, the largest proportions being unsaturated bodies, olefines, benzenes,

and naphtenes. The proportions of nitrogen and sulphur are also large in California oils.

Comparatively little has been done in a scientific way on petroleums, and particularly is this true in the case of California oils. It offers a wide field for investigation, especially as it is no doubt true that many valuable chemical products other than fuel and light-producing bodies are contained in the oil or may be made therefrom. From one point of view, combustion is a most wasteful action. The chemist's instinct is to conserve the products that come under his hands and to convert them into others that are of greater worth. In petroleum he has a most valuable raw material. There is little doubt but that in the future a large proportion, if not all, of the natural oil will be converted into products useful to man, and not annihilated in boiler furnaces. Mechanical, light, and heat energy should be derived directly from water and sun power, and leave the stored up materials—stored up probably at a cost of centuries upon centuries of time—to be used for material purposes. Relatively there is not much of these products, and, once destroyed, they will not be regenerated for ages. We are wasting our heritage.

DEVELOPMENT OF MEXICO.

Oil Possibilities of Our Sister Republic.

It is the opinion of geologists, who have made a study of the situation, that the oil belt at present exciting such interest in Texas extends from Beaumont down the gulf coast to the mouth of the Rio Grande and far into Mexico. Should this prove true, economic conditions in the republic dependent upon the use of coal as fuel would be revolutionized. If the production and the use of fuel becomes extensive enough, the price of coal would necessarily be materially reduced and a new stimulus given to the manufacturing interests of the country. It has been estimated that three barrels of oil of the Beaumont grade are equal to one ton of coal for steam purposes and already the lignite coal producers of Texas are complaining that manufacturers are refusing to renew contracts for fuel. Many of the large dealers of the States are securing agencies for this oil and in many manufacturing towns of Texas oil has been substituted for lignite. Numerous railroads of the vicinity are also preparing for operating with oil.

The superior advantages possessed in the way of shipping oil by the gulf coast places them ahead of all competition. This oil can reach shipping by pipe line from a very short distance on level ground, while oil from the Pennsylvania and Ohio wells must be piped from 300 to 400 miles over wo ranges of mountains in order to reach the Atlantic ports.

In this connection it may be stated that the Department of Public Works has entered into a contract with Pablo Martinez del Rio for the exploitation of the oil industry of the republic, of which the following are the principal clauses:

"Don Pablo Martinez del Rio, of the City of Mexico, or the company or companies which he may organize, oblige themselves to establish in the republic the business of boring for oil, erecting the works and constructing all buildings, plant, and other installations necessary for the business in question and for the exploitation of the deposits or wells that may be discovered, for which purpose they will employ the most modern machinery and processes.

"The concessionaire obliges himself to begin the work of boring wells and other operations looking to the discovery of oil within six months from the date of this connection, May 18, 1901.

"Within two years counted from the same date the concessionaire agrees that he will have bored at least twenty wells and that he will have invested therein, as well as in the plant, for the conveyance of the product, and general expenses of the business, the sum of $200,000 at least. In the eight following years the concessionaire binds himself to invest at least the sum of $50,000 annually in the boring of wells, construction of plants, buildings, installations and general expenses of the business so that the capital to be invested by the company during the ten years of the life of the concession will be $600,000.

"If the government needs oil the company will sell the same to it at a reduction of 10 per cent. on the wholesale price to the public.

"The concessionaire may import duty free on a single occasion the machinery, apparatus, utensils, and building materials necessary for the establishment of the industry and the erection of the building subject to the approval of the Department of Fomento, and under bond in each case to be cancelled as soon as the machinery shall have been put up and shall have been proved that the apparatus, utensil, or material has been employed.

"For ten years counted from the date of the promulgation of this contract the capital invested by the company in the establishment or exploitation of the industry shall be exempted from every direct Federal tax, but the concessionaire or company shall remain subject to the payment of the stamp tax."

A Clergyman in Oil.

Rev. C. M. Davenport, a Methodist preacher formerly located in Colusa, has struck it rich at Beaumont, Texas. The Colusa Sun prints extracts from a letter in which the preacher, among other things, says it was raining on the Fourth, the day he wrote, and the weather was delightful. The rain falls every two or three weeks during summer, keeping all cool, fresh and green. He says the place is growing, fifteen new brick buildings being erected, some six stories high. Besides there are fully five hundred new residences going up.

The oil business is going forward. There are fourteen gushers, averaging 30,000 barrels a day. Fortunes have been made by many, others losing heavily.

Mr. Davenport has been financially lucky himself. One of the the stewards of his church bought two shares of stock for him, which he sold in five weeks for $1200. Another organized a company letting him in with the $1200 and now it is worth $15,000. He has $10,000 in another company and three beautiful lots in the residence part of town worth $25,000. One of the stewards of his church has made $2,000,000.

Oil land in proven territory has has sold for $125,000 an acre. A square of two feet sold the last of June for $75,000. This is at the rate of $76,000,000 an acre.

Big Well.

The capacity of the Haywood Oil company's No. 2 has been tested and the well found to flow at the rate of 100,000 barrels per day, according to one of the owners.

The large 37,000-barrel tank was completed Wednesday and the oil from the well turned into it.

According to the statement of S. Haywood, manager of the company, the oil flowed into the tank at the rate of 100,000 barrels a day, or somewhat more than 4,000 barrels an hour. It required about nine hours to fill the tank.

Calistoga Oil and Development Company

Owns by Purchase

and holds by long-term leases, in all

2120 Acres of Oil Land

Situated in **NINE DISTRICTS** in six counties of California. This is a sweeping statement, but our prospectus explains in detail. Write for a copy and carefully analyze our plan. We are the pioneer drillers in Napa County where **LUBRICATING OIL** is found in numerous springs. Our first well, commenced May 15, 1901, when completed, will put on stock above par. You can buy for a short time a limited amount of stock at **50c.**

Procrastination may deny you an income.

Better write to-day.

Office 23 and 24 Merchants' Exchange

SAN FRANCISCO, CAL.

The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

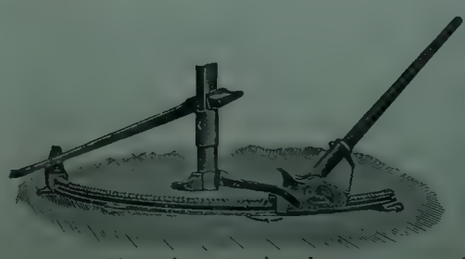
This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco



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Manufacturer

OIL & GAS WELL RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

For prices etc., inquire

D. HOOKER, Los Angeles, Cal., W. FORGIE, Washington, Pa.

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

Telephone, Bush, 176

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, JULY 19, 1901.

THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

Hurts Oil Business

That the recent strike of the machinists has temporarily greatly injured the oil industry there can be no doubt. It has not only greatly interfered with filling orders for oil well tools and machinery but has greatly lessened the consumption of oil.

It is estimated that the iron works now shut down through the action of the strikers would have consumed ordinarily since the strike commenced at least 75,000 barrels of crude petroleum each month.

One firm was all ready to sign a contract for many thousand barrels a month for a long period when the strike interfered with their plans, and no oil has been contracted for or consumed.

The strike has played an important part in keeping the price of oil down to its present unnecessary and ridiculously low figure

When the strike ends, and the consumption of oil reaches its natural proportions the price will correspondingly increase.

The End in Sight

It will not be many days before there will be a decided reaction in the oil business. The present unsatisfactory condition cannot long continue. The price of oil stocks has reached its lowest figure, and the "bears" among the brokers are getting ready to array themselves on the other side.

The price of oil will also improve very materially.

It is said that the main reason why Kern county oil has been selling at such a low figure is because many of the largest producers in the county refused to ally themselves under the leadership of a man whom they had reason to distrust.

As a result of their refusal to be led to the trough the gentleman in question said he would make them drink anyhow, and as a means of compulsion threatened to and did put the price of oil down to twenty cents a barrel and even lower, thereby occasioning the most bitter animosity among oil men, and inducing a competition that well nigh ruined, for a brief time, the oil industry.

It is understood the gentleman in question, through the organization he represents, has seen the error of his ways, and has resolved to make an ass of himself no longer.

When this difficulty is patched up the producers will get together and the price of oil will advance to correspond with the constantly increasing consumption.

By producers we mean those companies which have a capacity of five hundred barrels a day or more, and have tankage and pipe-line facilities.

There are many small companies which have one or two wells on the pump and some oil in the sump hole who call themselves "producers" but who do not belong to that category, and who will soon go out of business for lack of funds.

They cannot pay their hands, and machinery and casing bills are coming due very fast.

In order to get a little ready money these companies are offering oil in the sump hole at ridiculously low figures.

Last week the representative of one of these companies called at the office of the PACIFIC OIL REPORTER, and wanted aid in selling some oil.

He needed the money, and had a lot of oil in the hole lying exposed to sun and wind. If it was not disposed of soon it would soon be worth nothing. He would sell it for ten cents a barrel, and if he could not obtain that he would sell it for five.

Men and companies like these without capital, and with no tanks or pipe lines have ruined the business. The sooner they are swallowed up the better for the business.

Meanwhile the prospect is getting brighter. The large producers are getting together, and soon an understanding will be effected. There is no ground for discouragement. On the contrary there is every reason to believe better times are near at hand.

Result of Good Times

As the strike has injured the oil industry, oil men naturally have little sympathy with the strikers who have worked hardships upon them, made it impossible for them to get their machinery and tools on time, and have kept down the price of oil by lessening the amount of consumption.

The strike both here and in the east is not the result of hard times or the oppression of labor.

The reverse is the case.

It is said that owing to the good times of the last two years, the abundance of work and the high wages paid, the machinists have been able to lay up over a quarter of a million dollars for their "strike fund."

As long as this lasts, as long as the walking delegates and organization secretaries can inflame their minds with specious arguments, as long as the children can get bread and meat, so long will the strike continue.

The strike is largely the result of prosperity. The workingmen have been able to pay good salaries to their labor organization officers, and these latter feel they are obliged to do something to hold their jobs.

Hence the strike.

If hard times were the present condition there would have been no strike.

The average man cannot stand prosperity.

CALIFORNIA OIL OUTPUT BY COUNTIES—1897-1900.

County	1897		1898		1899		1900	
	Product	Value	Product	Value	Product	Value	Product	Value
Fresno	70,140	$70,840	154,000	$154,000	439,372	$439,372	547,960	$547,960
Kern	.....	.....	10,000	10,000	15,000	13,500	919,275	827,348
Los Angeles	1,327,011	1,327,011	1,462,871	1,462,871	1,409,356	1,409,356	1,722,887	1,722,887
Orange	12,000	12,000	60,000	60,000	108,077	108,077	254,397	254,397
Santa Barbara	130,136	130,136	132,217	112,549	208,370	191,288	183,486	165,138
Santa Clara	4,000	10,000	3,000	6,000	1,500	3,000	.....	.....
Ventura	368,282	368,282	427,000	571,000	496,200	496,200	443,000	398,700
Unapportioned	.....	.....	.....	.....	.....	.....	248,945	236,498
	1,911,569	$1,918,269	2,249,088	$2,376,420	2,677,875	$2,660,793	4,329,950	$4,152,928

No Over-Production.

The talk about over-production is nonsensical. The demand for oil is increasing much faster than the supply It is true that in the Kern field there are a number of good wells kept capped, for the reason the owners believe it unwise to sell their oil at the present low price.

Nearly all the good oil that was offered at a low price has been bought and stored by one or the other of the big companies. This oil is rapidly being marketed. When it is disposed of, which will be before long the price of oil will advance very materially.

As stated elsewhere the Southern Pacific company has ninety-four engines now using petroleum, and the remaining engines are being fitted up as oil burners as rapidly as possible.

When all the engines are fitted the Southern Pacific company will consume 5,884,200 barrels of crude oil yearly.

Last year the total output of California oil was only 4,329,950 barrels.

In addition to the oil used by the Southern Pacific is the oil used by Santa Fe system which was the first to experiment with an oil-burning engine.

Then consider the oil used by the Market street railway system, by the ferry boats, by the gas companies, by the California street railway system, the North Pacific Coast railroad, the Sacramento reclamation districts, the refineries, the manufactories, the thousands of burners used in stoves—realize how rapidly the consumption of oil is increasing and the talk about over-production is simply rot.

We prophesy that in ninety if not in sixty days the oil situation will be completely changed. Stocks will go up, oil will increase in price, and the voice of the grumbler will cease.

A local coal broker says that the present ruling outward grain freights are certain to induce ship owners to send their property here "seeking," and coal will be the principal article carried. Fuel oil is being liberally shipped to the city, and to large factories around the bay. Low prices still prevail, and will doubtless continue, unless some unity of interests develops itself. Producers are paying dearly for the benefits now being rendered to consumers of oil, but as the number of the former is ten to one of the latter, it is a misfortune that present conditions should exist.

Specifications for an oil burning plant at the County Infirmary of Santa Clara county have been presented by the county surveyor and on motion adopted and the clerk directed to advertise for bids for constructing the same. Bids to be opened Tuesday, August 6, 1901, at 10 o'clock A. M.

Refinery at Port Costa.

The Californian says that H. T. Austin is drawing the plans for the National Oil Refining company's plant which is to be located at Port Costa. The company is composed of Eastern capitalists with Charles L. Swan of Massachusetts as president, and L. H. Bartlett of this city as general manager. It is capitalized for $1,000,000 and proposes to construct a refinery capable of refining 1200 barrels daily.

The plans which are now being drawn will be submitted to the general manager within a few days, and it is expected that the work of constructing the plant will begin at an early date and that it will be completed as soon as possible.

The oil interests of Southern California are represented in the Mining Building of the Pan American Exposition at Buffalo by the following companies:

The Alcatraz company, Los Angeles, refined asphalt.

Central Oil company, Los Angeles, crude oil.

Easton & Eldridge company, Los Angeles, crude oil.

Franklin Refining company, Los Angeles, oils.

Home Oil company, Whittier, crude oil.

New Century Oil company, Los Angeles, crude oil.

Puente Oil company, Los Angeles, oil well model.

Rex Oil company, Los Angeles, crude oil.

Yukon Oil company, Los Angeles, crude oil.

A New Company.

A new company has been recently organized to operate in Ventura, Lake and Kern counties. The organizers are principally Chicago business men. One is the manager of the Chicago Record-Herald, and another is manager of the Chicago Telephone company, and another a prominent clergyman of Wisconsin. The name is the Illinois Oil Bond company. The promoters are Messrs. J. E. and B. E. Kerr, the former of San Francisco and the latter of Chicago. Already 70,000 shares have been placed within two weeks.

Development operations will commence at once in Kern county where the company is now closing a deal for producing oil land in 28-28.

To Capitalists

A reliable oil company incorporated under laws of Arizona, and having a valuable lease of oil bearing lands in Northern California, wishes some one to join in developing the property. Liberal inducements given.

Apply at This Office

San Francisco Oil Exchange.

Following is the business transacted by the San Francisco Oil Exchange for the week ending July 17:

CALIFORNIA STANDARD.		
1000 at	26	260 00
FOUR OIL CO		
300 at	37	111 00
1000 at	35	350 00
HANFORD.		
1 at	94 00	94 00
JUNCTION.		
900 at	10	90 00
KERN RIVER		
50 at	9 00	450 00
LION.		
6000 at	11	660 00
500 (S60) at	11	55 00
6500 at	10	650 00
MONARCH OF ARIZONA.		
1500 at	28	420 00
MONTE CRISTO.		
100(B60)at	1 95	195 00
OCCIDENTAL OF W. VA.		
750 at	50	375 00
300 at	51	153 00
600 at	49	294 00
PETRO. CENTER.		
500 at	04	20 00
1000 at	03	30 00
PEERLESS.		
15 at	4 95	74 25
190 at	5 00	950 00
STERLING.		
100 at	1 30	130 00
100 at	1 27½	127 50
SAN JOAQUIN.		
300(B90) at	8 25	2475 00
WEST SHORE.		
100 at	2 50	250 00
200 at	2 25	450 00
Shares 22,006	Amount	$7,633.75

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, July 17:

CARIBOU.		
900 at	80	720 00
CALIFORNIA STANDARD.		
453 at	25	108 25
FOUR OIL.		
500 at	36	180 00
HOME OIL.		
100 at	2 25	225 00
100 at	2 10	210 00
2300 at	2 10	4830 00
200 at	2 12½	425 00
250 at	2 15	537 50
HANFORD.		
3 at	100 00	300 00
1 at	98 00	98 00
INDEPENDENCE		
400 at	13	52 00
JUNCTION.		
100 at	08	8 00
100 at	09	9 00
50 at	11	5 50
1780 at	10	178 00
KERN.		
150 at	5 25	787 50
LION.		
100 at	09	9 00
2100 at	10	210 00
McKITTRICK CON.		
100 at	01	1 00
MONARCH OF ARIZONA.		
400 at	28	112 00
600 at	20	120 00
OIL CITY PETROLEUM.		
800 at	25	200 00
500 at	25	125 00
OCCIDENTAL OF W. VA.		
200 at	48	96 00
60 at	45	27 00
PEERLESS.		
105 at	5 00	525 00
200 at	4 95	990 00
50(B60)at	5 25	262 50
95 at	4 90	465 50
PETROLEUM CENTER.		
2200 at	05	110 00
7710 at	04	308 00
15 at	01	15
10 at	02	20
1000(S90) at	04	40 00
1100 at	03	33 00
REED CRUDE.		
35 at	35	12 25
300 at	36	108 00
SAN JOAQUIN.		
165 at	8 00	1240 00
15 at	7 50	112 50
5 at	7 37½	36 88
STERLING.		
400 at	1 30	520 00
100(B60)at	1 35	135 00
600(B90)at	1 35	810 00
200 at	1 30	260 00
250 at	1 27½	318 75
700 at	1 25	875 00
TWENTY-EIGHT		
200 at	1 15	230 00
275 at	1 25	343 75
Shares 17,172	Amount	$17,297.23

Oil for Fuel.

The Santa Fe railroad has decided to use oil for fuel in its locomotives as fast as possible. The Beaumont product will be given a trial. A number of locomotives were turned out of the shops here today which will run on the main line of the road and burn oil. The Santa Fe has 135 oil burning engines on its lines in Southern California.

Pacific Coast Underwriting Company.

Incorporate companies; furnish everything complete.

Sell interest-bearing Gold Bonds.

Underwrite stocks.

Buy and sell Oil Lands.

Handle all kinds of mining properties.

Promote any legitimate enterprise.

Information furnished investors regarding Pacific Coast Corporations. Address,

Main Office, 507-8-9 Parrott Bldg. San Francisco, Cal.

FOR SALE CHEAP.—A good Standard Drilling rig with two strings of tools. Wagons, galvanized wagon tanks, second-hand 9⅝ and 7⅝ casing. Lot of good lumber, dishes, stoves, etc. Everything in good order.

Box 77, McKittrick, Cal.

SECOND-HAND half-inch steel sand-pump line 1400 feet long for sale cheap. Addreas NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland, or F. CHAPELLET, 214 Pine Street, San Francisco.

SOUTH DAKOTA CHARTERS,
STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

WELL-BORING OUTFIT

FOR SALE CHEAP.

SUITABLE FOR WATER OR OIL.

Apply 308 Sacramento street.

San Francisco.

WANTED.

A good second-hand Standard Rig. Address:

FLASHLIGHT OIL CO.,
23 Columbian Bldg., S. F.

ANNUAL MEETING.

Notice is hereby given that the annual meeting of the Wild Goose Oil Company will be held in the office of the company, room 15, Nevada Block, 309 Montgomery street, San Francisco, Cal, on Friday, July 19, 1901, at 2 o'clock P. M., for the purpose of electing a Board of Directors to serve for the ensuing year, and the transaction of such other business as may properly come before the meeting. The books of the company will be closed on Tuesday, July 16, 1901.

A. P. SWAIN, Secretary.

San Francisco, June 28, 1901.

LED F. WINCHELL

Oil Lands
Oil Stocks

Lands for sale and to lease. Also will deed in consideration of developmen work.

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Tel. John 2186.

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Producers' Oil Exchange.

330 PINE STREET, S. F.

Correspondence invited. Information on oil stocks furnished gratis.

Alaska Gold Better Than Oil

Casa-de-Paga Placer Mining Co.

A limited amount of Treasury Stock for sale for a few days at 25c. per share.

Call or send for Prospectus.

J. S. EWEN Sec.,

123 CALIFORNIA STREET, Room 407

San Francisco, Cal.

OIL AND GOLD

Ventura Consolidated Crude Oil Company

Owns 2720 acres Oil Land and Valuable Leases with Producing Wells. Also fine Gold Mine. Limited amount of Treasury Stock at 10 cents per share. Best Stock Investment in the Market.

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316 Montgomery St.

bet. California

andP ine, San Francisco.

AN ENCOURAGING VIEW.

The Herald Expects Improvement in Southern Oil Market.

While the Los Angeles local Oil Producers' Association is steadily working out the problem of the future of the oil market, it is notable that the condition in Southern California is rapidly improving through the dual influence of reduced production in the local field and increased consumption, and the feeling is gaining ground that a steady strengthening of the market is being experienced, while a rise in price is to be expected to follow soon.

The Sunset Petroleum & Refining company, which has been doubling the capacity of its plant, is now about ready to begin operating at full capacity, while other refineries have so increased their use of oil as to have their influence decidedly felt in several fields.

Another factor in the situation is the starting up of the sugar factories, which will this year have a stronger "campaign" than ever before, and will consequently consume much more oil than they have in previous years.

There is reason to believe that by October or November there will not be more than a month's supply of oil on storage in Southern California, and to fall much below that surplus would be bad business policy. In surveying the situation, well-informed oil men are agreed that the time is at hand when Los Angeles prices can be put as high as is possible without inviting the Kern River oil to enter that field, and that is estimated at about 80 or 85 cents, with the prevailing prices in Kern River. But with the increasing consumption of oil in San Francisco and other northern cities that price is expected to gradually improve, and dollar oil is considered not improbable within twelve months.

This is speaking with particular reference to heavy fuel oil, for much of the oil of Southern California is at present being sold for $1 or better, according as it is 20 B. gravity or lighter, and the demand for the lighter oil at such figures seems to be keeping fully abreast of the production, which has increased materially during the last year.

It is expected that the form of the contract between the Producers' Association and the transportation company will be approved the coming week, when the work of getting the signatures of the members of the association will be taken up, and it is hoped to get 600 wells in the association within a few days, when a definite price will be established for fuel oil.

Oil Land Assessments.

The attorney of the Kern Oil company appeared before the board of supervisors, sitting as a board of equalization, and withdrew the complaint of the company as to the assessment of $650 an acre to the property on 32, 28-28, as fixed by Assessor Jameson. The board had given permission to the company to introduce testimony as to the valuation of the possessory interest of the company to the land, but the Californian believes that the company realized that Mr. Jameson's assessment was well within the valuation of the property over which the complaint had been filed.

Attorney Barker of Los Angeles was to have appeared before the board on behalf of the Whittier & Green, Bald Eagle and the Bunker Hill Oil companies for the purpose of complaining as to the assessment of the property, but no action was taken. On Monday last the Kern Crude Oil company made its complaint. The land in question is situated on 20, 28-28; 32, 28-28; 28, 28-28, and 34, 28-28. The first is assessed at $525, the second at $700, the third at $75 an acre, and the possessory interest of the company in the proved west half of 34, 28-28, was assessed as an entirety at $50,000.

There was but one failure to pay the assessments on possessory interests. That was on property owned by Jonathan and J. M. Elwood on the W½ of the NW½ of 2, 29-28 which is under lease to the Petroleum Development company. The property was assessed at $64 and was sold this morning for taxes to Martin Smith for $73.95

WILL ABANDON THE WELL.

Salt Water Stops Work in Solano County.

The general opinion of the directors of the Rochester company is that its well on the John Dickson place will have to be abandoned. On Wednesday last week at a depth of 1520 feet a large volume of salt water was encountered and it is the opinion of those competent to judge that it is useless to continue the work on the well.

The company has played in hard luck from the very beginning. The day that operations began the derrick was burned down to the ground. Since then more or less trouble has been experienced all along. About four weeks ago the drill reached a depth of 1300 feet and it became necessary to pull the casing. In doing so the string parted and the well caved in on the lower part. After considerable trouble and expense the hole was cleaned out and the well put in shape to resume drilling. Now salt water has been struck and the drillers, Messrs. McCutcheon and Marley, think that it will be impossible to case off owing to the great pressure at that depth. When the water was struck they concluded that it was useless to put the company to further expense and they came to town and stated their views to the directors. A meeting was held that evening and it was decided to pull up the casing, take down the derrick and remove the machinery. Since then it has been thought best to reconsider the matter and do a little prospecting with a view to shutting off the water. We sincerely hope they will succeed in their efforts, although the probabilities are strongly against it. The log of the well shows a formation most favorable for oil and if the water can be got rid of, there is good prospect of the company yet making a success of its undertaking.

More Pioneering.

In the more northerly portion of the state where a great deal of wildcatting has been in progress, covering scattered localities through a score of counties, the operators have to some extent temporarily laid their work aside, but in the prospective fields of Southern California work seems to be as active as ever before. In fact, there are several points where it seems possible that new fields may soon be brought in. On the bluff above the ocean, twenty miles due west of Los Angeles, a wildcatter has tapped an unknown quantity of oil sand and has a light oil in the well, which is about fifteen miles from the nearest producer. It is in line with the trend of the Los Angeles pay streak extended, along which it has long been considered probable that oil would somewhere be found, though immediately west of the last producing well in the Los Angeles field so much water is encountered as to make it impossible to follow the streak further. Rather vague reports from the well indicate a probability that it may prove to be of much importance.

For the last two years a great deal has been said of the Midway field, lying between McKittrick and Sunset, the central point being fifteen miles from either of those points. It lies in the hollow of a long and narrow valley and on the hillsides at either hand, like a great trough thirty miles in length. At either side of this valley is an oil field which has been demonstrated for some time, and the presence of outcroppings of oil sand has given good reason to believe that the McKittrick and Sunset fields would be united by the development of the Midway. During the last six months six wells widely scattered through this valley have penetrated oil sand. It doesn't seem to make much difference where the well is drilled. And when it is added that at the Sunset end it is expected to find oil through the semicircle following the foothills for forty miles to a connection with the Kern River field and that at the McKittrick end developments are running on to the northwest without a known limit and with the expectation of reaching Coalinga, seventy-five miles away, and that these hopes are based on outcroppings of sand carrying oil, what shall we be led to believe of the future?

Development in Santa Barbara.

The directors of the Santa Barbara and Naples Oil and Land company have made an appeal to stockholders for $4000 in cash, to be used in further search for oil at Naples. The letters to stockholders state that the prospects in a well now 600 feet deep on the property justify the further investment.

A year ago the company commenced the drilling of a well. At 1000 feet an oil flow was found, but it was not thought a paying one. The well was run on down to 1600 feet, when it was abandoned. The casing was too small to permit its going deeper. The oil in this well now stands at eighteen feet from the surface. This chiefly prompts further work. The oil is heavy.

Next a 1000-foot well was sunk until its casing twisted and now well No. 3 is down 600 feet, with a good showing. This well is near the beach and is in a belt long thought to be an oil belt. What the stockholders will do is a problem, but the probability is that further prospecting will be done.

Every Man's Opportunity.

The attention of the investors throughout the East is being attracted to the great possibilities of money-making afforded by the development of the petroleum industry in California. This is every man's opportunity, not being restricted to any particular class, as there are thousands of acres of proven oil lands awaiting development and millions of dollars are yet to flow from the oil wells of California in the next few years. A special feature of oil mining is, that when carried on in defined districts and on proven oil lands, it carries with it no greater hazard than any other business; while the returns on the money invested are not comparable.

The year 1901 will see millions of dollars distributed among stockholders in legitimate companies owing to the rapid advancement being made in the development of oil properties. Among the new companies that will become producers this year is the Standard Consolidated Oil and Land Company, and when their present development work is completed they will pay their stockholders large interest on the money invested. The second block of treasury stock which is offered at 20 cents per share is being purchased rapidly by investors who recognize the merit of the company and are desirous of sharing in the profits that the Standard Consolidated will in the near future pay to their stockholders.

RAILROADS GET IT ALL.

Experience of a Nevada Mining Company.

There are many difficulties in the way of getting fuel oil introduced into the more remote mining regions, the most apparent being naturally the transportation problem. This is shown in the experience of the North Rapidan Mining company of Como, Nevada.

There is no question but oil would make a very desirable fuel for firing the immense boilers at the gold, silver and copper mines of the Great West, but outside of California the railroad charges are a heavy handicap. The property of the North Rapidan company is within 500 miles of the heart of the Kern River oil field in California, yet the lowest freight rate on oil that this company could secure from the Southern Pacific railroad was $20.58 per ton in tank cars from Bakersfield to Dayton. Thus the price demanded to transport a tank car, containing 150 barrels, or about twenty-one and one-half tons of crude oil, a distance of 500 miles was over $440.

If the oil could be bought at 25 cents a barrel, delivered on cars at Bakersfield, by the time it reached Como, the nearest railroad point to the mines, the cost would be nearly $3.25 per barrel, or $22.35 per ton. This is over 50 per cent more than the price of a ton of coal delivered at the same point. Allowing four barrels of oil to do the work of a ton of coal gives an equivalent value of $13, which is about the average price of a ton of coal at Dayton, which ranges from $12 to $14 a ton.

Thus it will be seen that the railroads are after everything in sight, leaving no advantages for the oil trade whatever. It would seem that $5 ought to carry a ton of oil in a tank car a very long distance. The loading and unloading can be done very cheaply, and there is no reason why freight rates on oil should be so very much higher than on other commodities. Of course, there is a certain risk connected with oil transportation that coal is free from, but under improved railroad conditions this has been very greatly diminished. With satisfactory freight rates, the fuel oil fields of California and Texas would develop with astonishing rapidity. If the oil could be produced for nothing at all per barrel, railroad transportation to the Rocky Mountain States would make its cost so high that its use would be practically prohibited. Coal would still remain, comparatively speaking, the cheaper fuel.

Twenty dollars per ton for a distance of 500 miles is at the enormous rate of four cents a ton for each mile of transportation. Judge Cooley's report of the investigation of the Inter-State Commerce Commission showed that between 1870 and 1895, the average freight rate for the entire country declined from three cents a ton per mile to less than one cent. The Southern Pacific in this case is charging over four times the average freight rate in the United States. Such a course of proceeding must be changed, for if continued in, it cannot fail but have a bad effect upon the oil industry of California.

Southern Pacific Railroad.

The Southern Pacific Company on its Pacific system has 779 engines, to which have just been added 50 engines, ordered last year, and to which are to be added 103, for which orders are now outstanding. The company now has 94 engines using petroleum fuel, while an order has been issued for the equipment of all engines for burning petroleum. Estimating the consumption of the engines at 21 barrels of oil each a day for 300 days in the year, the consuming power of the engines will be 5,884,200 barrels. Compared with coal, the use of oil fuel, when established throughout the system, will represent a saving to the company of $4,203,000 annually, as determined by previous experience of the road in the use of oil.

Los Angeles Stock Market.

Weak market has been the feature of stock trading on the Los Angeles board during the last seven days. The absence of many traders from the city for the summer together with the still unsettled petroleum market, has had the effect of depressing the market more than ever.

The most notable decline was that of Westlake, which has fallen off to 9 cents, the lowest figure at which this security has ever been sold. Those who are acquainted with the property are strong in their claims that this stock is very cheap at twenty cents. The fact that it has been sold at so low a figure is a strong evidence that present market quotations are not a fair criterion of the actual worth of any stock. As matters are, it is difficult to realize on any stock unless it is offered at bargain counter rates and as there are always some who must perforce cash on their securities, prices often reach a very low mark.

If one would ask for a general tip on the market at present the best informed brokers would say buy now prices are down, and there is a prospect that they may go further down, but ultimately they must advance again, and when once they do the speculating public will then be eager to purchase.

This much at least is certain, many good securities are now being sacrificed from time to time at much less than their intrinsic worth.

Boring the Beaumont Well.

The Beaumont gusher was successfully sunk by Chapman's Patented Rotary Machine after the failure of the cable drilling machine. The well is about 1,309 feet in depth. In the course of this depth, something like 600 or 700 feet of quicksand had to be bored through, and in addition to this bed of sulphur of about seventy or eighty feet thick was passed through. Then came rock of various grades, at a depth of 1,000 to 1,200 feet touching the oil sand, and what may be termed conglomerates of different descriptions. Eight and six-inch pipe casing was employed and a line of four-inch boring pipe inside of that.

When the oil was reached, boring rods were only partially run into the well, there being about 600 feet in at the time. The oil and gas forced these four-inch pipe rods, weighing 10.66 pounds to the foot upward, carrying the head block off the top of the derrick, the rods following out through the top of the derrick until the entire 600 feet were blown from the well, falling in sections and sticking up in the ground. When the rods were forced up, the oil and gas in a six-inch stream shot through the four-feet square top of the derrick 140 to 160 feet in the air, and continued discharging, in excess of 20,000 barrels per day, for days, until the flow was got under control.

In regard to the boring of the Beaumont wells, these have in several instances been carried out with special rotary boring machines, which have effectively coped with the quicksand and soft caving formations. With the revolving hydraulic process the hole is kept full of water under pressure, and the hole is cased as it is sunk, thus preventing caving, and the rotary shoe or bit cutting the formations faster, the softer they are, and the water washing up the cuttings to the surface. It was a short distance southeast of Beaumont that the revolving machinery sunk the largest soft formation well in the world. This well is twenty-two inches at the top, and finished five and one-half inches at the bottom, 3,067 feet in depth through soft materials, and quicksand the entire depth.

Work on Leases.

The question of holding leases seems to be one of the great questions which is occupying the attention of the oil companies, who are bound by contract to sink a required number of wells during the first year. A few of these are, according to the terms of their lease, compelled to drill six and eight wells this season, which, on account of the low price of oil, would be a poor investment, so they are naturally looking around to see whether there is an avenue through which to escape. Of course a few of them will only have to ask for a concession and the lessees will gladly modify the terms of the lease, while others will be required to live up to the agreement or forfeit their claims. It is said that several companies have already been forced to release their holdings and that many more will do so during the fall and winter.

This worry, on the part of the lease holders, has been brought about by the low price of oil. And yet this depression has caused the making of more favorable leases than have been known of late, in some of the more northern fields especially, says the Los Angeles Herald. A few months ago leases were made requiring the payment of from one-third to one-half of the product in royalties, while other provisions inserted in the leases were such that few experienced oil operators cared to work under them. Now leases are being made in some of the best territory in Kern county on the payment of one-fourth or less of the product in royalty, while other conditions of the leases are also modified.

Oil on City Streets.

One of the enterprising oil companies of Beaumont, Texas, has shipped five cars of oil to the city of New Orleans for street sprinkling purposes. The first experiment was pronounced a success by the New Orleans papers, although the operation was performed under difficulties. The oil was distributed from an ordinary sprinkling cart and is said to have flowed as freely as water and fallen to the ground in a perfect shower. There is no reason why oil should not prove as powerful a factor in making good roads in the South as it is in California.

A Safe Company.

For a rising in assessable stock of value, although the company may be in its infancy as yet, a safe concern is the Standard Rock Oil company of McKittrick, which owns also choice oil lands in Coalinga and Napa valley. Their lands in McKittrick are undoubtedly proven, as any layman can see by the map. This southwest corner of section 1, township 30 south, range 21 east is literally surrounded by large producers in all directions and in this locality it cannot be a question of striking oil, but of how many 100 barrels per day, the same as the McKittrick Oil company's and the Kern River Oil company's, whose shares are worth today on a very much depressed market $9 to $11 each. The Standard Rock has been known locally by brokers and newspapers alike as the "Reliable and Strictly Legitimate" and this is fully sufficient evidence of the standing and reputation of this good company. They also own eighty acres in Coalinga near the Home Oil company, whose shares as every oil man knows, have sold as high as $5,000 each, and own 160 acres in Napa valley adjoining the only well there. The company has a derrick erected in McKittrick and although the contract is let to complete the well within sixty days, will not hurry matters until the market for the oil is more settled and a good price for it can be realized at the well. This is the only reason why stock of this solid company can be still bought at 20 cents per share, which price will not last more than three or four weeks at the utmost, when no doubt it will go to 50 cents per share. Full information can be had at the "Standard Rock's" offices at 475-76 Parrott building, San Francisco.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

The Glenn County Oil company is stated to have abandoned work upon their well owing to a lack of funds.

The Home company of Williams have been compelled to abandon their first hole and have moved their rig 150 yards to a new location.

The hole of the Colusa County Oil company on the Williams place is down 162 feet. On the Harlan place the company has a derrick up and is putting in their rig.

W. R. Wadsworth, superintendent of R. H. Herron's interests in Colusa county, operating on the Ingrim lease on Bear Creek celebrated the 4th of July by starting the largest drill in Colusa county. The hole started by Mr. Wadsworth is near the Gibson oil spring and is 16 inches in diameter.

There are five standard rigs now drilling for oil in Western Colusa, one rig is now being hauled out, two derricks are completed and ready for the machinery, which is expected to arrive shortly, and one rig, that of the Gibson Oil company, is on the ground. The latter rig has been on the ground for several days, and the fact that no steps have been taken to commence operations has given color to the rumor that the company are undecided as to the location to begin drilling. Ex-State Mineralogist A. S. Cooper has been engaged to measure the dips, spurs and angles and point out the spot where oil may be struck. Some time ago Mr. Cooper was employed by the Cortina Company to pass upon certain lands.

CONTRA COSTA.

The Mt. Diablo Oil company is down over 100 feet.

FRESNO.

Esperanza is quiet.

Golden State is resting for a few days.

Maine State No. 3 commenced spudding last Wednesday—are now down 150 feet.

Another English company is figuring on purchasing certain oil property near Coalinga.

A 2500-foot pipe line will be laid to supply rig of Blue Diamond Oil company with water while drilling.

Over 215,000 barrels of oil have been shipped from the Coalinga oil fields since January 1st of this year.

Producers Guaranteed has lots of oil and a string of tools in the hole, so baling and fishing are in order.

What the outcome of the Roanoke No. 1 will be is hard to tell, but it is generally thought that this hole will be abandoned.

Commercial Oil Company has purchased a new 1200-foot cable which was taken to this company's property last week.

El Capitan No. 2 has lots of gas and oil. Well will be finished in another 30 feet. High grade sand—promises to be better than No. 1.

Ajax is closed down and waiting for drive pipe from the east. Mr. J. P. Vincent, superintendent of Ajax, has gone to the coast for a few weeks.

The California Rock well is now down over 900 feet. This company is now figuring on putting in 9 5-8 drive pipe; 11 5-8 casing is the only size put in so far.

Mercantile Crude's No. 2 is going down fast. Drillers Harry and Jay Evans are running tower and have this well down close to 400 feet.

The pipe line to be laid by the Maine State Oil company will have its terminus at Ora and not on the west side of Coalinga, as was reported three weeks ago. Pipe for this line is expected daily.

Work on the Santa Clara is going on steadily. Slight showing of oil and occasionally a little gas. Prospects are favorable for this company so far.

The Sour Dough Oil company has commenced building a derrick on its property, which consists of thirty acres adjoining the Caribou, and will begin drilling in a few weeks. C. C. Spinks will superintend the work.

While the oil business in California is slow at the present time it is evident that Coalinga will be a lively camp again this fall, as several new rigs will be started in a few weeks, among which are the California Oil Fields (Limited) with four rigs; Jupiter, 1 rig; Double Eagle, 1 rig; Blue Diamond, 1 rig; Caribou, 1 rig, etc.

The rig of Blue Diamond Oil company is about completed and machinery will soon be put in when work will be commenced on this company's No. 1. The location of the Blue Diamond is only a short distance from a well recently sunk by Whittier & Co., who discontinued work on account of their inability to get lease signed as they claimed according to agreement by parties owning the land on which this well is located. Development of this portion of the Coalinga field will be watched with great interest and if a good well is the result of the Blue Diamond's efforts they will have a great many neighbors by this time next year.

KERN.

Sea Breeze, at McKittrick, is in the oil sand at 765 feet.

Del Rey has three good wells on the beam and is down 170 feet on No. 4.

Empire Oil and Development at McKittrick has temporarily closed down.

The Barton on 25, 32-23, is down tabou 900 feet and work is progressing favorably.

The Nineteen company's well which was spudded in last week is now 300 feet deep.

S. P. in Kern River may have to reduce to 5 5-8 casing. The hole is 1100 feet deep.

The oil is steadily increasing in the Olema, which has been on the beam for the past week.

The Spring Oil company have moved their rig to a new location and suspended work for the present.

The United Crude Oil company will select a location at McKittrick soon for the drilling of its first hole.

The S. P. company, Kern River, may have to reduce to five and five-eighths casing. The hole is 1100 feet deep.

The Oregon Midway company is working four strings of tools and expects to start up five more within a few weeks.

La Mesa Chiquita, the Porterville enterprise, struck another stratum of oil last week. The drill is down 740 feet.

Hickey & Vizie have about completed a contract with the Fearless Oil company to sink a 2000-foot experimental hole in Napa county.

Henrietta No. 2, recently completed, proves to be a good producer. For twenty-four hours 533 barrels were pumped.

Monte Cristo shipped 11,000 barrels from ten of its sixteen wells last week and at the end of that time had as much on hand as at the beginning.

The Empire Oil & Development company, 8, 30-22, is working in blue clay at a depth of 690 feet. The nine and five-eighths casing has been landed.

Oil companies in Sunset are anxiously awaiting the completion of the Sunset railroad, after which a revival of development work is expected in that district.

The Stratton, 32, 32-24, had a blowout after stopping the drill that covered the derrick floor with oil and sand, and left the oil standing within four feet of the top.

The strike of the Stratton, 32, 32-22, has induced the Lucky Boy on 31, the adjoining section, to resume drilling on their hole, recently abandoned at a depth of 1000 feet.

Workmen are laying the pipe line for the Chanslor & Canfield Midway water system. The first shipment of pipe has arrived and the work is being pushed with vigor.

The Henrietta No. 2, which was recently completed, proves to be a good producer. From 2 o'clock yesterday morning until 2 o'clock this morning, 533 barrels were pumped.

The Sunset Center has an artesian well on 10, 11-24, which has a large capacity. The water stratum was encountered a day or two ago, while the drill was being sent down for oil.

The San Joaquin last month sold $15,000 worth of oil. This company has nineteen wells completed and will finish three more, when it will suspend work for the present.

The fourteen loading racks of the Aztec company have been completed. They are so located that loading can be done by gravity. The distance from the tank to the racks is 600 or 700 feet.

The prospects of Northwestern Sunset are growing brighter as the Stratton drill goes deeper into the sand on 32, 32-24. The sand has been penetrated only two screws, but it is showing up exceedingly rich.

Standard Oil is laying a six-inch pipe line on 29, 28-28 through the lands owned by the Richmond-Piedmont and Columbian Oil companies. It is intended to convey oil to their large storage tanks near the railroad.

The Rio Bravo on section 8, 29-28, has not yet got its well cleared of the string of tools which was lost a few days ago. A new set of fishing tools was sent out and it is expected that the trouble will soon be overcome.

The Silver King on section 17, 29-28, has concluded to suspend operations until the first of October, during which time the location for hole No. 2 will be selected. Well No. 1 will be reserved as a water producer.

The third outfit burned in Kern River is that of the Century on 24, 28-27. The fire was caused by a lighted torch setting fire to the gas. The derrick will be rebuilt at once. The casing had been landed and was being perforated.

The Missouri, operating on section 29, 28-28, landed the casing in its third well last Friday afternoon at a depth or 1020 feet. The company will not perforate this well at present and has decided to do no more development work this summer.

The Illinois Crude has leased ten acres of land of the Clairmont on section 32, 28-28, upon which it expects to begin drilling a series of ten or twelve wells immediately. The company is composed of several of the leading Bakersfield oil men.

Articles of incorporation of the Panorama Oil company were filed with a capital stock of $500,000. Los Angeles is the principal place of business. The directors are A. A. Eckstrom, F. W. Samuelson, V. E. Wilson, R. D. Wade, H. B. Wing and E. B. Dukeman.

The Suffolk Oil company, composed of Boston capitalists, is soon to begin drilling in the McKittrick and Sunset fields, where it has recently acquired property. The first wells will be sunk on section 18, McKittrick, and section 34, Sunset, at once. H. M. Heath is manager of the company.

San Joaquin will move headquarters from Selma to Bakersfield. It has twenty completed wells and others almost finished, and at a date in the near future will do something in the line of producing oil. As the greater part of the business is transacted in Kern, it was deemed advisable to move the main office to Bakersfield.

Wisconsin on 24, 28-27 has landed a well which promises to be a good one. The hole is said to be one of the deepest in the field at 1370 feet with a six-inch drive perforated for 70 feet. It is proposed to perforate the eight-inch drive for 150 feet. The indications, says Superintendent Smith, are for a 100-barrel well.

San Joaquin's great well No. 16, has ceased to flow. For weeks it poured a torrent of the black product, but it choked up the other day. Were the sand removed it would no doubt flow as briskly as of yore, but the company is by no means short of oil, and for the present will allow the well to remain stopped up.

Kern Canyon landed its third well on 25, 28-27 last week, near the 1200-foot level with 7 5-8 casing. The well will be put on the pump this week and from all indications it will be as good a producer as are the other wells on the same section. The company has decided to do no more drilling at present, though it will probably sink several wells this fall.

The Burks Oil company has been incorporated to develop forty acres of land on the NW¼ of the NE¼ of section 22, 32-23. The land has been leased from the Bay City on a royalty of one-sixth of the product with the privilege of purchasing at $500 an acre. The Burks will drill its first well about 300 yards from the Bay City well.

The Sunset Coast, operating on section 25, 32-23 has recently cleared its hole and is again ready to continue drilling. The fishing job, which it had on its hands, was a very hard one, there being an under-reamer, two strings of tools and an eight-inch drive pipe in the hole. The hole is in good condition, and the work is again progressing favorably.

Sunset Center's artesian well on 10, 11-24 is said to be increasing in daily capacity. With the water gas and oil were forced out in such quantities that when a match was lighted near the mouth of the well the gas was ignited and burned until smothered out with blankets. The company will probably sink the hole deeper and then move to a location near by and sink another hole.

Kern Canyon landed its third well on section 25, 28-27, last week, near the 1200 foot level with seven and five-eighths casing. The well, which will be perforated tomorrow, will be put on the pump next week and from all indications will be as good a producer as are the other wells on the same section. The company has decided to do no more drilling at present, though it will probably sink several new wells this fall.

The Prosperity, operating on section 6, 28-28, has the record for sinking the deepest hole in the Kern River field, and yet no very encouraging formations have been encountered. Though the hole is down 1585 feet, and a string of tools is stuck in the casing, the company is far from being discouraged. It is the intention, if no great barrier is encountered, to sink the drill at least 400 feet deeper.

The Silver Star Oil company, operating in 28, 30-32, in the McKittrick district, one-half mile southeast of McKittrick, and one-quarter mile southeast of the producing wells of the Dabney company, struck the oil sand on Saturday last at a depth of 715 feet, the well having been drilled to this depth without a foot of casing and the hole being eleven and five-eighths. The well was drilled to this depth in twenty days, single tour. Casing is now being hauled.

Monte Cristo's 1100-barrel gusher on 5, 29-28 has so far relieved the pressure in the formations beneath as to yield from 500 to 800 barrels per day. San Joaquin, on the same section, has ceased flowing. The curious feature of the Monte Cristo gusher is that it flows more at night than during the day, the output being least when the sun's heat is greatest. No one can account for the circumstance. This gusher has been at work for about three months and has produced 70,000 barrels. The price averaged 40 cents per barrel, which brings the wealth turned into the coffers of the company up to $28,000.

Dixon in the Kern country has struck oil. Thirty feet of oil sand was passed through at a depth of 725 feet, but it was decided to sink several hundred feet further if necessary in order to tap the lower stratum of oil sand. This strike on the NW ¼ of 23, 32-23 is considered of importance. The strike is of unknown extent, as only thirty feet of sand has been penetrated, but the hard shell encountered by Bay City and by the Producers' Guarantee make the probabilities strong that a rich body of oil will be found. If nothing more, it indicates, at least, that the formations generally are the same. At present work is held up owing to the casing being stuck and drive pipe necessary to the successful finishing of the well has not arrived. Should Dixon secure a paying well, as there is every reason to believe it will, the Midway district will have been proven to be a little more than one mile in width.

LOS ANGELES.

The Clarendon Heights company has No. 3 down 200 feet.

The Raymond Oil company, operating on section 25, has reached a depth of

2200 feet, the last 85 of which are in the bit sand.

The El Moro Oil company has made over 200 feet on No. 2, and is casing with 11, 5-8.

No. 5 of the Whittier Crude Oil company is down 100 feet, and in a sand rock formation.

The Los Angeles Petroleum company is pulling the casing in its well on section 24, and will abandon the hole.

Vail & Davis have resumed drilling on the Pioneer well, in Placerita Canyon, Newhall field, and expect to soon be in it.

North Whittier is down 650 feet in its No. 2, and El Moro has reached 300 feet in the hole being put down by C. O. Kiser.

Whittier Grande will stop drilling here for the present, and develop its Los Angeles property, and resume its Whittier work later.

The Whittier-Fillmore Oil company is erecting its derrick on the Tubbs-Evans tract, it being one of the few derricks which can be seen from the business part of Whittier.

The Pacific Coast Oil company is putting in gas engines in its plant in Elsmere Canyon. The improvement is made necessary by the fact that all the wells cannot be reached by the jacks.

The Home Oil company is experiencing some trouble in shutting off the water in well No. 10 which it is preparing to deepen. The crew which is deepening No. 6 is making slow progress under-reaming some hard shells.

The Whittier Oil & Development company at its last monthly meeting decided to open a fishing resort at its well on section 24. The company will make arrangements with drillers to fish for a lost bit on a strictly European plan—pay for what you get.

Turner oil company, which has not been doing development work on its Whittier property this summer, is installing a pumping plant with sufficient capacity for five wells. Hitherto the wells have been on the Home pumping jack. It is altogether likely that the company will resume drilling in the fall.

The Palo Solo Oil company are not a little encouraged over recent indications developed on the Harvey lease just northeast of the city. There has been considerable difficulty in putting down a hole to a depth of 800 feet, and a thick shell has been in the way of the drill for some time. When the shell was penetrated a quantity of oil showed up, but the casing parted while being carried through the shell, and it has been necessary to reduce.

Southeast about four miles from the White Oil district, in Placerita Canyon, over the divide—in Arastra canyon—George Stewart this week began drilling a new well. As there are plumbago and soapstone and a strong gas smell in the fissure, Mr. Stewart thinks he can, by going down 600 to 700 feet, get a flow of oil. A half mile north of this, in the field lower down the canyon, Mr. Stewart lately in going down 1100 feet got a crooked well and abandoned it. It was a well of the Iola Oil company on Mr. Stewart's oil claim on section 12.

An attempt is to be made to ascertain what a hydraulic rig will accomplish in drilling through sandy formation. William Harp, one of the oldest hydraulic drillers in California, who recently put down an artesian well to the depth of over 1300 feet at Lamarada, has taken a contract to deepen the hole which the Standard Crude and Pennsylvania Oil companies have been jointly drilling in the La Habra Valley. This well was begun nearly a year ago. When only a few hundred feet down, the drill struck the sand of what was presumed to be an ancient river bed and thereafter there was trouble enough. Different crews tried for three months to carry casing through the sand, but in all this time were unable to make but forty feet of hole. Mr. Harp has put in position the largest hydraulic rig on the Pacific Coast, and is confident that he can put down his well.

NAPA.

The Anglo-American has ten feet of oil sand, and a seepage of oil of about 22 gravity. The eleven and five-eighths casing has been taken out and fourteen-inch casing substituted, with a view of going deep if necessary. The well is now about 200 feet deep.

SAN BENITO.

The Riley company expects to be operating on sec 23, 17-11, within thirty days.

Portia and Calistoga Oil companies have each just taken a rig into San Benito county, to begin drilling on prospective oil land.

The Grant Oil company's well is 1252 feet 8 inches in depth, finished with 9 5-8 casing. It is confidently expected that oil in prolific quantities will be struck at about 300 feet further the gas pressure being very great.

The companies on the Vallecitos are temporarily laying off waiting for the water supply from the new water company. The water company has its two tanks completed and about three-fourths of the pipe laid and will be ready to supply the rigs in about a week or ten days.

The Hollister Petroleum Development company will be drilling the latter part of this week with two shifts commencing with a 16-inch casing on the Cowden ranch. The company's 6000-gallon tank has been moved from the Baldwin ranch and set up near the Standard rig on the Cowden ranch, and water is furnished by the Hollister Water Works through the pipe line of the Hollister Crude Oil company, the privilege of which was purchased from C. Tallon. The cabins from the Baldwin ranch were rebuilt for the use of the drillers. The 8800 feet of water pipe line on the Baldwin ranch has been taken up and part of it used at the Cowden ranch. The intention of the company is to centralize all its force and capital in the sinking of this well.

SANTA CRUZ.

Citizens of Gilroy, Santa Clara county, recently subscribed $3000 to complete the necessary sum for the Gilroy Oil company to drill a well.

The Watsonville Coast Oil company's well No. 1 is down 200 feet. Oil sand, deeply impregnated with the grease, was encountered at a depth of 160 feet. It is expected that the oil-yielding strata will be penetrated at a depth of 800 feet.

John A. Bunting's rig is in position on the Gaffey ranch, and the work of boring for oil will begin as soon as a carload of casing arrives from Bakersfield. Superintendent Young made excellent time on the preliminary work. He means business and the well will be pushed to a finish.

The Chittenden-California Oil company is prosecuting the work of development of the oil resources of the Chittenden tract with vigor. The company's well is down about 900 feet, but work has ceased temporarily until the arrival of some large casing. The expert is well pleased with the prospects and is confident that a large flow of oil will be struck within the next sixty feet. At present oil from Bakersfield is being used for fuel, but the Chittenden people are confident that they will soon have oil of their own to burn.

SOLANO.

Not much progress has been made in the Vacaville well lately. It became necessary to pull the 7⅝ casing. That was done successfully and it has again been put back in place. Work has been resumed, and the favorable indications encourage the company in the belief that oil will be struck. A considerable flow of petroleum gas is coming from the well.

Drilling has continued in the Armijo well during the week. The work has been slow because of a strata of hard rock. The formation was twenty-seven feet in thickness, but the drill passed through it. The favorable indications still continue and the company has hope of making a good strike soon. There is a large flow of gas from the well and a test made during the week shows it to be petroleum gas. The drill is now passing through soft shale.

The apparatus for boring on the Pander ranch, on which the Solano County Oil and Development company has acquired a title, arrived Wednesday of last week. It was taken to the ranch on Friday and began operations Monday morning. The well on the Pander place will be the first practical test of the oil belt which is known to exist in that vicinity. Beside all the surface indications, oil and gas are found in springs, showing that they exist in quantities beneath the surface. The late F. C. DeMiranda, the oil expert, stated in a letter to Mr. Pander that he had a valuable petroleum field.

SAN DIEGO.

San Diego is largrly overlaid with superficial and mechanical deposits, but drilling has revealed good shale and sandstone deposits under these. Asphalt is found in some places, also gas. There is travertine, massive gypsum and much selenite gypsum.

Harper's, on Fish creek, is 150 feet deep.

Hanna's well, near Roark Canyon, is down 190 feet, through sandstone.

Bailey's well, on Vallecitos creek, San Diego County, is down 130 feet.

Barrett's well, otherwise the Cactus Oil Oil company, near Carriso creek, is down 175 feet. The first sixty feet went through grayish sand shale and the succeeding one hundred feet was through blue shale when sandstone was encountered, and water which rose one hundred feet in the well.

SAN BERNARDINO.

The rush to this field still continues and newcomers are arriving with all kinds of outfits.

The well at Victor has reached a depth of 390 feet and they have quantities of water, oil and gas.

The Consolidated is now 650 feet and as the drill progresses indications are more favorable for the expected strike in the second strata of rich oil sands. Work is moving rapidly, notwithstanding the report that drilling had ceased on account of the hot weather.

SHASTA.

The Keswick Crude Oil company is now ready to begin drilling. This company, which also operates on Sand Flats, was handicapped by a lack of water for its boilers. A well was sunk and sufficient water to begin operations has now been encountered.

At the Mount Shasta well on Sand Flats the bit was recovered. It had been unsuccessfully fished for, at a depth of nearly 900 feet, for some time. Sand had packed around the heavy piece of steel and "spudding" had to be resorted to, with the final success of Saturday. Drilling will now be resumed as soon as possible.

The Shasta Consolidated Oil company, which has a well nearly 1000 feet deep, the deepest prospect hole for oil in the county, recently laid off its crew because the directors thought progress was not fast enough. A new crew will be here this week and active operations resumed. Twelve hundred feet is the depth at which it is considered the success or failure of the hole will be determined.

TEHAMA.

Drilling was resumed on the well of the Corning Oil and Gas company last week. It is believed that henceforth delays will be of rare occurrence, but the well is now down a good depth, and Mr. Kays is taking no chances. Prospects are highly flattering.

VENTURA.

Piru Oil company has been delayed in in work by crooked holes, which have been successfully straightened, and work is again proceeding satisfactorily.

Ramona Oil company has tapped the sand in its second well. The well is four miles from Piru and is down 885 feet. When last heard from the drill was but ten feet in the sand, and it was impossible to determine the value of the find, but it greatly encouraged the officers of the company. The company has been at work for fourteen months in a section never before tested, and the strike, if it results as favorably as now seems probable, will develop an important section.

KERN.

The Rainbow has moved in a new rig on section 14, 32-23 and will commence drilling at once.

Work on the Superior extension has been suspended temporarily and will not be resumed till about the first of next month.

Stratton No. 1, on 32, 32-24, came in Friday last and it is a big well. The gas pressure is so strong that boulders and sand are thrown high above the derrick.

Hickey & Vezie are down 300 feet on Nineteen and see the greatest promise in the well. The firm has about completed arrangements to drill a well for a concern in Napa county.

The Mountain Boy has fine prospects for a good well on section 22, 32-23. The drill has been sent down only 680 feet, but it has the sand necessary for a thrifty production.

California Fortune No. 2, on 34, 12-24, came in yesterday and produces more than No. 1. On account of the great quantity of gas, the crew could run by daylight only for the last ten days.

Development work in the Midway district is hardly so brisk as it was a short time since, still there are many rigs in operation and a number of wells already completed are making an excellent showing.

Mr. Spellacy and a number of associates are moving a rig into Midway and will shortly be operating on the Fox and Packard lease on section 26, 32-23. They have a derrick up and are now having the machinery installed.

Much development work is going on in the Kern River field, notwithstanding the talked of slump in the oil business. Stevens, Nineteen and Henrietta on 19, 28-28, the Falcon and Orient on 30, 28-28, the Persus, Continental and Transcontinental on 29, 28-28 are beginning new wells.

The well recently completed by the 1901 Company in the country south of McKittrick is a great producer. From 450 feet to the 850 foot level there is a continuous body of sand and all attempts to reduce the supply of oil in the well with the bailer have failed to lower it more than a few feet. There is much importance attached to this strike.

The pipe for the Chanslor and Canfield water system at Midway has been laid from the springs to a point back of McKittrick and will be continued on through the Midway district as rapidly as possible. The pipe for the entire system will all be in place by the 1st of August, and the plant will be ready for operation a little later in the season.

California Refineries.

KERR'S OIL RATING AGENCY,
July, 1900.

Union Oil Company Refinery, Rodeo, Cal.—Their present capacity is 16,000 barrels of crude oil and 6,000 barrels refined oil daily; Crude storage 96,000 barrels, refined oil storage 36,700 barrels. They manufacture all grades of distillates required for the market from gas distillate, 28 degrees; stove distillate, 35 degrees; gas engine distillate, 39 degrees; illuminating oil, 42 degrees; flash, 115 degrees; light and heavy paraffine oil, 15 to 28 degrees, up to benzine and gasoline from 52 to 63 degrees; 50 tons refined asphaltum daily.

Puente Oil Company, Chino, Cal.—The tank capacity for crude oil is 75,000 barrels, for refined 4,000 barrels with extra storage at their oil wells. Has three 400 barrels stills, manufacture gasoline 63 to 67 degrees; water white kerosene, 45 degrees; refined asphaltum, 18 degrees.

Paraffine Paint Company, Emeryville, Cal.—They have three 60-barrel stills; three 25 barrels lead-lined agitators, crude tankage, 5,000 barrels; refined 3000 barrels crude monthly manufacture light oil, neutral oils, lubricants and asphalt.

These facts of the above refineries (other reports later) may be regarded as accurate.—KERR'S OIL RATING AGENCY.

Personal.

Yesterday, W. C. Carpenter, one of our most energetic and reliable oil men, started east on a visit to his old home in Iowa. Mr. Carpenter is not only prominently connected with the noted Monarch Oil Company, which struck the great well in Sunset, but is also a prominent figure in two other successful companies, the Sultan, in Midway district, which has a well down 600 feet, and the California Fortune, in Sunset district, which has a well now going 600 barrels a day. Mr. Carpenter has worked hard for the success of his companies and deserves a much needed rest.

Kerr's Reports.

Those who desire absolutely correct information concerning oil companies, or are about to operate, or who desire to know the actual and relative value of oil stocks, or the financial standing and responsibility of oil companies should inquire through Kerr's Reports on Oil Companies, with offices at 318 Kearny street, San Francisco.

THE GUFFEY COMPANY.

Plans For Development in the Texas Fields.

J. C. McDowell, the vice president and general manager of the J. M. Guffey Petroleum company, is on his way to Texas to take charge of the extensive interests of his company there, and will at once assume the entire management of the company's business He will for that purpose open offices at Beaumont and Port Arthur.

He went into the Pennsylvania oil fields as an engineer and helped to open the Bradford field there. He has been identified with the fuel oil proposition for nearly twenty-five years, having held positions as superintendent of construction for the Standard Oil company before it assumed that name. He was identified with the Lima and Findlay, O., oil fields in the early days of the Ohio oil excitement and built the pipe line from the Lima fields to Chicago, a distance of 220 miles, introducing fuel oil into general use in the Windy city for big manufacturing enterprises. The people who are interested in the Guffey company are heavy capitalists, and a list of their interests makes it easy to understand how they could put up the necessary $15,000,000 for the organization of the big Texas company. Notwithstanding the names of the concerns backed by the capitalists interested with him in the Guffey company, and the fact of his own former connection with that concern, Mr. McDowell denies any connection between the Guffey company and the Standard.

"The great problem which we will have to deal with first is that of storage and shipping facilities.

"We are meeting the conditions very rapidly, and have already put up storage for 800,000 barrels of oil, while we have contracted for more than 3,000,000 more, which will be placed in position as soon as practicable. At the same time we are converting a number of barges into oil tank boats and will have a number of these in addition to the facilities already at our control. Tank building is progressing slowly just now, because of a small disturbance in the labor market, but that is a matter that will be of short duration and small extent.

"In the meantime it is but natural that there should be some talk of the lack of the market for the product and low prices and all that, but that does not amount to anything. The fuel is no new thing. It is well known and there is a good market for it at first class price. I have seen the stuff go down to 15 cents per barrel in Ohio, but as the facilities for furnishing the users increased the demand went up with them and the price kept pace so that there was but little comparatively sold at those prices. This is sure to be the experience in the development of the present field and the industrial development of the south will be beyond calculation. It means so much for the south that far seeing capitalists are willing and ready to embark now in almost any enterprise that promises any sort of present return, banking on their confidence in the future of the section."

We have to put up a refinery at Port Arthur. It is a necessary part of the business, even if the lighter illuminating products could not be very profitably sold here for the reason that the requirements of fuel oil in some markets, as prescribed by law, making it necessary. If the illuminating products are left in the oil, its flash point is proportionately low, and it is necessary to take those out in order to raise the flash point and make the oil conform to the foreign ideas of safety. For this purpose, if no other, it would be necessary for us to erect a refinery and that will be the primary object of the refinery which we shall erect at present, though we expect the demand to justify the extension of the plant from time to time until it shall reach considerable proportions."

Work on Mt. Diablo.

The Mt. Diablo, operating on the southeast quarter of section 25, 28-27, has completed well No. 3 at a depth of 1190 feet, with 340 feet of oil sand. The Mt. Diablo will do no more drilling in the Kern field, but will pump the wells already completed to their full capacity. The work of the company is again progressing smoothly in the Midway district, and it expects to bring in its second well in that field in the near future. As soon as well No. 2 on section 26, 32-23, is completed, the rig will be moved to the southwest quarter of the section where another hole will be drilled.

Oil Companies Incorporated.

Middle California Oil Land and Development company. Principal place of business, San Francisco. Directors: B D Pike, H A Crane, L S Hass, H Ach, J Edlin, M Marx and C M Martin. Capital stock, $600,000; subscribed, $70.

Globe Oil company, Arizona. Place of business Phoenix, with branch office at San Francisco. Capital stock, $500.000. Directors: T A Burns, W Austin, B Olcovich, D Keefe, M J O'Reilly.

San Carlos Junior Oil Mining company, West Virginia. Place of business, Merced, Cal. Directors: G H Bayfield, F Bancroft, A T Hyde, J M Davis, C B Harrell, all of Merced. Capital stock, $200,000.

Missouri Oil company, Missouri. Place of business, Kansas City, Mo. Directors: S G Turner, L Creason, R A Norton. E Hubbard, all of Kansas City. Capital stock, $160,000.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

Would You Give 20 cts. for $4.00?

That is what we offer you and that is what our stock will be worth at a conservative estimate when our six wells are completed.

WE WILL complete these six oil wells as rapidly as experience and energy allows.

WE offer you an investment that is secure.

AN investment that will increase the principal beyond your greatest expectations.

WE OFFER you at present stock in the Standard Consolidated Oil and Land Company at **20 cents per share,** which in a short period of time will be worth way up in the dollars.

ARE YOU ambitious to improve your financial condition?

DO YOU wish to share in the profits that will shortly be paid to the stockholders in this company?

Members California Petroleum Miners' Association.

A few reliable representatives desired.

For further information address:

STANDARD CONSOLIDATED OIL AND LAND COMPANY

532 MARKET ST., ROOM 7, SAN FRANCISCO, CAL.

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president, F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francsco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000. Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street, San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A, Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

GRAND PACIFIC OIL CO.
Capital.....$1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T R Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1
Location: NW¼ Sec. 15, Twp 23 S, R. 18 E., Kings county, 160 acres in Kettleman Hills district
Officers—Chas C Crowley, president; John Ferrin vice-president, Frank C Falsen, secretary and treasurer, Frank P Kelly, attorney, Chas W Nelson D Horland, Wm J O'Connor. Depository, Union Trust Co
San Francisco office—Room 408 Examiner Bldg
Member of the California Petroleum Miners' Association

LION OIL COMPANY Incorporated under the laws of Arizona Capital $100,000 Number of shares 100,000 Land, 320 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M F Cochrane, D. S Stanley, F P Weed, T. M. Gardiner, I J Truman, Jr., F F Betts Officers—Dr A S Cook, president, M. F. Cochrane first vice president, D S Stanley, second vice president, F. F Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock nonassessable. Incorporated, Sept. 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maitly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO. OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Coalking, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1 00
Incorporated under the laws of California
Location—140 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼, section 22, 32-23, and 80 acres, S ½ of SW ¼ section 4, 32-23 Officers—Geo. W. Turner, President; George R Hansbrow, Vice-president, E N Sewell, Secretary and Treasurer; H W Merritt, J H Dorn, W. W Hutchinson-Maurice V Samuels, Attorney; W. R. Stammers, Manager, Union Trust Company, Depository.
Office—521 Safe Deposit Building, San Francisco, Cal.

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

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Capital.....$1,000,000
1,000,000 shares, par value $1 each.
Organized under the laws of South Dakota
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Officers and Directors—J F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; Union Trust company, treasurer; W E Robinson, Springfield Ill., Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
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WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
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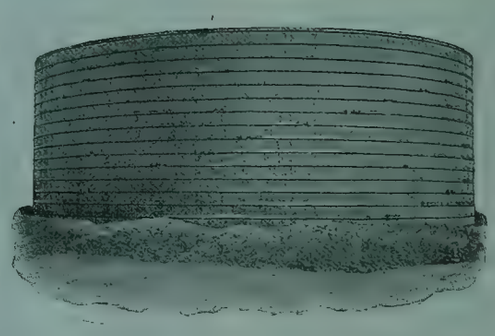

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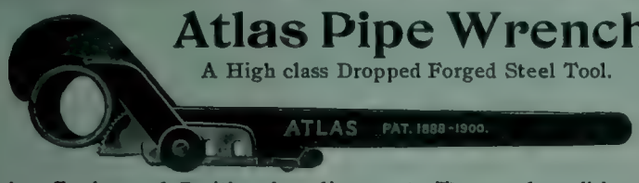

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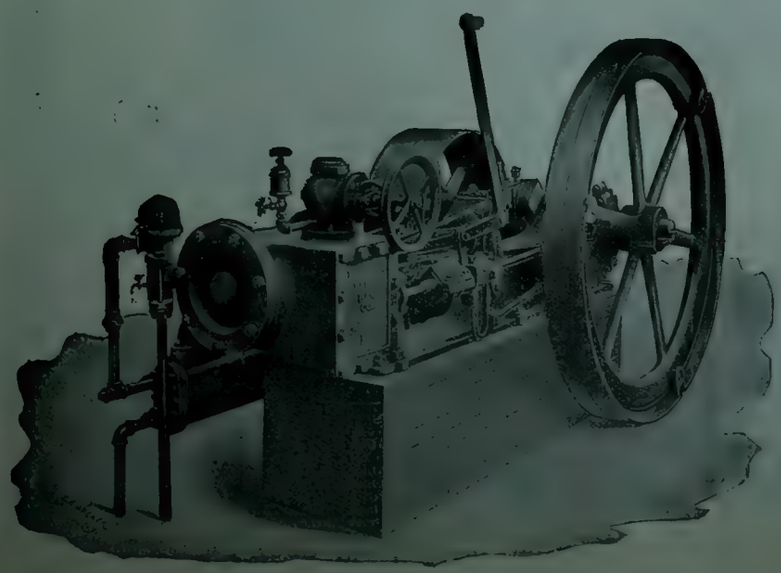

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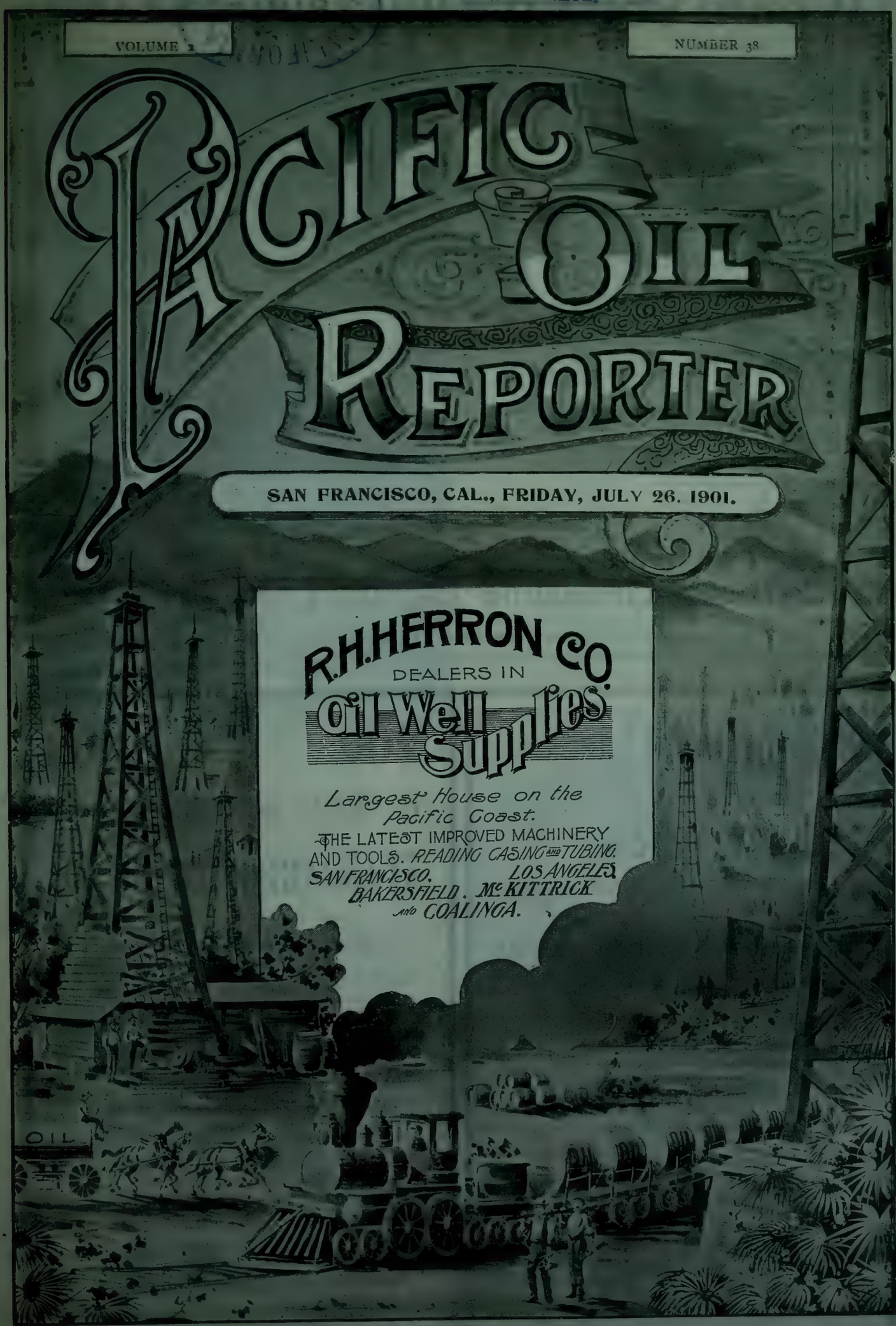
VOLUME 2 NUMBER 38

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, JULY 26. 1901.



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PACIFIC OIL REPORTER

VOL. 2. No. 38. SAN FRANCISCO, CAL., FRIDAY, JULY 26, 1901. PRICE, TEN CENTS

IN COLUSA COUNTY.

Summary of the Work Being Done in This New Oil Territory.

Many Companies Drilling for the High-Grade Oil That Underlies This District—Prospects Favorable for an Early Strike.

Colusa county is rapidly coming to the front in the oil industry not so much on account of the oil that it has actually produced as on account of the number of oil companies now operating or about to operate in various portions of the county where the geological indications as such as to lead to the conclusion that oil exists in abundant quantities at no great depth. There are also oil seepages in many portions of the county, some of which are of oil of an unusually fine quality.

Colusa County—Smith & Gorrill Wells on Sand Creek—No. 2 in Foreground—No. 3 Further Back—The Site of No. 1 Was Close to No. 2.

Of the companies now incorporated the following are the most important as shown in a brief summary of Kerr's Reports on Oil companies.

There are about sixteen oil companies attempting to do business in Colusa County, California with a capitalization of about $6,500,000. The earliest organization was the Lake & Colusa Oil & Land company, December 27, 1900. The following are the names of the companies:

Colusa Home Oil company, Alhambra Oil company, Chehalis Oil company, Arbuckle Oil company, Gibson Oil company, Hudson Oil company, Williams Oil company, Cortina L. & O. company, Herron Hill Oil company, Yolo & Colusa Oil company, Colusa County Oil company, Venando Oil company, Paraffine Oil company and White Gusher Oil company.

The Sulphur Creek Lubricating, the Washington California and the National Oil Investment and the Minor Ranch company have land in that county, but as yet have filed no articles of incorporation. The Sulphur Creek company has eighty acres leased on 14-4.

The Colusa Home Oil company has land located as oil and placer claims, but have no leases of record of any patented land. The company has done nothing in the way of development work. It has good business men at the head of it.

The Arbuckle Oil & Mining company work, has a standard rig and operating on the T. H. Harland land, leased to Orr & Meracle and assigned by them to this company. They have been drilling for sometime. Orr & Meracle are directors in the Colusa County Oil company and hold leases on perhaps 2,000 acres of patented land.

The Colusa county's land lies in good location and has oil indications throughout. The term of the leases are for twenty years, one-eighth royalty.

The Williams Oil company.—This company is drilling for oil with a standard rig. It controls about 1,400 acres of land, principally leased. The people behind this company are all prominent business men of some means and highly respected citizens of Williams and vicinity. They have sold quite a block of stock at 25 cents a share. They have done more work drilling, probably than any other company in the time they have been in operation. The land is located in township 15, range 4.

The Cola Oil company have about 2,160 acres more or less of government land which has been located as oil and placer claims. Most of the directors are non-residents of the county. Some of the land located by the people of this company has been previously located by other parties. Their land lies in a favorable location and is included in township 14, range 5.

The Cortina Oil company.—The directors are all Colusa people and had done no work in any way of development up to July 1st. This company controls about 2,000 acres of government land, located as oil and placer claims. The directors are good business men; have not filed their leases for record, and no stock has as yet been offered for sale we believe. They intend to establish an office in San Francisco.

The Lake & Colusa County Oil company has done nothing in the way of development; they have 2,060 acres of government land located as oil and placer mining claims by Percy W. Rochester and others and deeded by them to this company. The seven directors subscribed 500 shares each. Some of the land claimed by this company has been previously located by other parties as placer claims. This land has numerous good indications of oil. The company we believe has no oil stock to sell but sell leases, lands, claims, etc. The directors are C. T. Deane, Surveyor-General Gleaves, of San Francisco, and others.

The Hudson Oil company have done nothing in the way of development and none of their lands controlled by lease or otherwise have been filed in Colusa county up to July 1st. J. W. Hudson, one of the directors of the company is editor of the "Arbuckle Independent."

The Yolo & Colusa Oil company has done nothing in the way of development work. They have 8760 acres of land which has been located as mineral claims by W. B. Mayre for the parties interested and deeded to this company. This land is in the counties of Colusa and Yolo. There have been several locations and relocations in their land and part of their land we believe is out of the oil district.

The Venando Oil & Land company.—The directors are all Oakland parties and have done some assessment work. They own 157 acres of patented land and have some ten year leases (running for 20 years) with one-eighth royalty. The land is in lots. There seems to be good oil indications upon their locations. Oil obtained from one seepage is regarded as being of the very best quality. The land of this company lies one and one-half miles west from where the Colusa Oil company are drilling and about two miles west from the Williams Oil company land. The land lies in township 15, range 4.

The White Gusher Oil & Development company has done nothing at all in the way of development; the directors and officers are all Oakland people. They control about fifty-eight and one-half acres of mineral claims. The articles of incorporation show that about $900 have been subscribed. As yet no stock has been offered for sale we believe in Colusa county. Their land lies about one and one-half miles west of where the Williams Oil company are drilling. There is no record of assessment work having been done on this claim as required by the mining law. The land lies in township 15, range 4.

Apex of the Anticline on which Smith & Gorrill are Drilling. This Anticline Can Be Distinctly Traced on the Adjoining Property of the Colusa Consolidated Oil and Refinery Company.

The Gibson Oil company control about 10,400 acres of patented land and operate on land owned by A. A. Gibson, on which is the famous Gibson Gusher. The company has two standard oil rigs, which we believe they have, or soon will have in operation. They have put very little stock on the market for sale.

The Chehalis Oil company have made no move for drilling or development work up to July 1st. They have a rig and will begin drilling soon. They have sold quite a large block of stock at 10 cents to local people as well as to outsiders. On June 14th the stock had raised to 25 cents per share. Their oil indications are good and the company is composed of the best Arbuckle business men and San Francisco people. They have filed their papers in the Arizona land office twice and in Colusa county twice. The land lies in township 14, ranges 5 and 6.

The Bear Valley Oil & Development company is at work on its sub-lease, on one-eighth royalty. Land is located in township 14, range 4.

F. M. Smith and R. M. Gorrill have done the most work of anyone operating in Colusa. The first well was abandoned at 805 feet on account of a lost bit. Well No. 2 was drilled to a depth of 487 feet and was abandoned owing to the caving formations encountered. Well No. 3 is now down over 528 feet. The firm has a vast tract of land under lease and is confident of striking oil.

The Colusa Consolidated Oil and Refinery Company owns 4,414 acres in fee simple, in 14-3, 14-4, and 13-3, seven miles west of Arbuckle. A favorable report was made on this ground by Ex-State Mineralogist Ireland. The land is valuable as an investment without regard to the presence of oil, and stockholders will get full value for their money in any case, as 800 acres or the territory is good wheat land, and produces a good income under present conditions. The management have shown great prudence and foresight in arranging the company's affairs. The company has no promoters' stock, but there are 340,000 shares of treasury stock on sale for development.

Mining Bureau Notes.

State Mineralogist Lewis E. Aubury has returned from a visit to San Diego county, where he has been engaged in looking into the oil and copper deposits, and arranging for the compilation of an official mining map of that section. He reports that salt water was struck at a depth of 160 feet in the Barrett well, which is being sunk in the Carrizo Creek district It has been very warm in that section, the mercury ranging from 108 degrees to 122 degrees. A number of outfits are drilling.

Notwithstanding the court injunction against the running of the Occidental Water company's line across sections 3 and 10, 11-24, one and one-half miles of pipe were laid a few nights ago, and the line is practically completed from the springs in the hills to the south of the Monarch ground, on 2, 11-24, ten or twelve miles, and the humorous feature of the proceeding is the one that the water company disclaims knowledge of the identity of the persons who disobeyed the injunction, benefitted though it was by the act.

CALIFORNIA OIL TOWNS.

Types of Western Oil Communities Growing Into Prominence.

The California oil fields have a characteristic population of their own, which sometimes gathers into communities more or less representative. The pioneer oil town of California, Santa Paula, is one of the neatest of western rural towns, built along wide streets lined with neat cottages with roses climbing over the porches, much more like a fruit and grain country than an oil district, although the great white tank of the Union Oil Company is one of the local landmarks, and the company's machine shops furnish employment for a number of men. Piru, on the railroad east from Santa Paula, is about equally distant from the Torrey Canyon field on the south and the Modelo field on the north, cannot be called a typical oil town, as the fruit and stock interests of the locality are much more in evidence, and the fields though not far distant, have a population of their own. Los Angeles is by far the most characteristic of California oil cities, the long range of derricks extending along the entire northern fringe of the city, and presenting a very noticeable and unusual appearance. An oil field in the limits of a large city is an unusual and remarkable spectacle, and the Los Angeles field, with its derricks located in cottage gardens, is one of the unique features of the world.

The area of present development, however, is chiefly in the West End, beyond the limits of residence property. City ordinances have been passed to confine the oil men's operations to certain limits, and beyond this they cannot trespass. Certainly the oil men need restrictions in such a crowded community. When the heavy rain-storms were prevailing last winter, the residents had occasion to make many bitter protests on account of the oil men allowing sump-holes to be washed out and the oil to flow along the gutters and in the streets. An official called the Oil Inspector is appointed, whose duty is to look after the oil men and see that the city ordinances are enforced. The expense of this inspection is borne by the oil men through a tax of $1 a month on each well.

There are features connected with the oil storage system of Los Angeles which contribute much toward making it a characteristic oil town. Prominent among these are the storage tanks, the largest being those of the Oil Storage and Transportation Company, near the intersection of the Southern Pacific and Santa Fe lines. These tanks are three in number, with an aggregate capacity of 100,000 barrels. Besides these there are storage tanks belonging to the Standard Oil Company, the Southern Pacific Company, Union Oil Company, and others, which give a distinctively oil appearance to the railroad yards and neighborhood.

The oil business has brought prosperity to Los Angeles. Los Angeles county is at the present time the leading producer of petroleum in the state, and this has brought it to second place in value of mineral production. The output of last year amounted to 1,722,887 barrels, and of this at least one-half is from the city field. As the price of oil in the Los Angeles city field has been for a long time over the dollar mark, and at the present time is worth 65 cents at the wells, the profits from a single producing well are very large and the oil business in this field has been synonymous with prosperity. South of Los Angeles the fields of Whittier, Puente and Brea Canyon are tributary to the Quaker settlement of Whittier, which since the advent of the oil men has lost some of its original character. These localities have no settlement in the field, although a few of the Puente Oil Company's employes live in cottages on the lease. A little further south what is known as the Fullerton field lies a few miles east of the town of Fullerton on the Santa Fe, and is reached by a spur running directly from the main line. Already the nucleus of a village is beginning to grow at "Fullerton Wells," as it is called. On the railroad north from Los Angeles, just after passing through the San Fernando tunnel, lies the little village of Newhall. The town itself, one of the drowsiest of rural villages, has nothing to show that there is oil present, for the principal producing company, the Pacific Coast Oil Company, now the Standard, is located in Pico Canyon, seven miles to the west, and the oil is all shipped by pipe line to Ventura. The company has its own neat little village scattered along the sides of the canyon. On the east side of the railroad the company has its Elsmere canyon holdings, which produce a heavy oil which is shipped by rail, and the stand pipes may be seen along the railroad near the site of the refinery which formerly stood here. This lease of the company's is only a little over a mile from the town, and there is no settlement here.

North of Tehachapi, Bakersfield is the great business center for oil men. In the Kern River field there is a collection of rough board houses called Oil Center, now suffering from the general depression incident to that field. On the west side McKittrick presents the appearance of a distinct oil community, although there are as yet only a few rough buildings, with the exception of the new railroad depot. Derricks rise only a short distance from the town, and the loading racks and tanks are a conspicuous feature. Sunset district is having a town of its own now being laid out at the railroad terminus, which will doubtless become of importance in time, as it is a considerable distance from any center of population.

The most unique and remarkable of the oil towns of California is the famous Summerland field in Santa Barbara county, known everywhere as the most remarkable thing of its kind ever found in the world. The oil was originally struck along the bluffs overlooking the Santa Barbara channel, but W. L. Watts stated his belief that oil would be found in increasing quantities by going out to sea. Accordingly wharves were built and wells sunk in the beach beyond low-water mark. As these wells went further out to sea, they became deeper and more productive. The town of Summerland itself, originally planned as a home of spiritualists, has become a representative oil town of the West. A number of pumping jacks are distributed along the bluffs, and the cables cross in every direction, making caution very necessary for the unwary traveler.

Next to Los Angeles, Bakersfield has received the greatest amount of benefit from the oil industry, and as the oil output from that field for the first half of this year is already equal to that of 1900, it is probable that the close of the present year will see a corresponding increase in the city's prosperity. The magnificent new oil exchange building now under construction is a significant indication that the boom is not "busted" by any means, and that the coming fall will bring greater prosperity than ever to the growing oil towns of California.

A Typical Oil Town—Los Angeles, City Field, Looking East from Corner Belmont Avenue and Lockwood Streets—Residence Section Invaded by Tanks and Derricks.

The Stockton Mail says that a company was recently incorporated in San Joaquin county to sink an experimental well to determine whether oil can be obtained within the county limits. It has reached the stage of selling stock on a popular plan. The Mail further says that several experts have declared that oil can be obtained and that prospects are excellent. The Waverly region has been examined, and is looked upon as the most promising. The railroad to Oakdale runs through the company's property, and transportation will therefore be direct and with only a short haul to market.

Struck Oil in Texas.

She was a Texas maiden, she came of low degree.
Her clothes were worn and faded, her feet from shoes were free;
Her face was tanned and freckled, her hair was sunburned too,
Her whole darned tout ensemble was painful for to view.
She drove a lop-eared mule team attached unto a plow
The trickling perspiration exuded from her brow,
And often she lamented her cruel, cruel fate
As but a poor white's daughter down in the Lone Star State.

But yesterday we saw her dressed up in gorgeous style!
A half dozen fellows were basking in her smile
She'd jewels on her fingers and jewels in her ears,
Great sparkling, flashing brilliants, that hung as frozen tears!
The feet once nude and soil stained were clad in Frenchy boots,
The once tanned face bore tidings of miscellaneous fruits.
The voice that once admonished the mules to move along
Was tuned to new-born music as sweet as siren's song!

Her tall and lanky father, once known as "Sleepy Jim,"
Is now addressed as "Colonel" by men who honor him.
And youths in finest raiment now take him by the paw,
Each in hope that some day he'll call him dad-in-law.
Their days of toil are over, their sun has ris'n at last,
A gold embroidered curtain now hides their rocky past;
For it was not discovered their little patch of soil
Had rested there for ages, above a flow of oil!

—James Barton Adams.

OIL ON COAST STEAMER.

Experience of the "Pasadena" with Liquid Fuel.

The steamer Pasadena was built in San Francisco in 1887, by Alex. Hays, and the engine and boilers by Hinkley, Speirs & Hays. She was equipped for oil from the start and has been using oil as a fuel since that time, a period of 14 years, and she has the same boilers in use and apparently as good as new. There has been very little repairs on the boilers with the exception of a tube having occasionally to be renewed. The shell of the boiler is still in good condition. The steamer has been in constant use all this time with the exception of probably three months, or when necessary repairs were being made.

In convenience of handling for saving of time and cost there is much in favor of oil. A car of oil is run alongside the steamer while she is discharging, either using gravity or pumping it aboard, so that when the ship is discharged she is ready for sea without waiting for fuel as in case of coal.

As to its safety as a fuel, it is considered far superior to coal. In case of accident whether the machinery stops or the feed pipe breaks, the fire goes out instantly, as in the case of turning off gas, and there being no hot coals in the furnace there is nothing to burn.

For the time oil has been used on the Pasadena there has been no trouble or accident by reason of the use of oil.

In regard to cheapness as between oil and coal, there is no room for doubt in so far as this locality is concerned. Experience has shown that four barrels of oil is equal to one ton of Australian coal (we say Australian coal, for that was the fuel used when the steamers were compelled by the government to abandon the use of oil during the investigation of the "Julia" disaster, which was supposed to be due to the explosion of the oil which she had used as fuel.) Oil at $1 per barrel is equal to Australian coal at $4 per ton, and as such coal costs us, say $9 per ton and oil at present prices, not to exceed $1 per barrel, it is very evident where the saving comes in.

The saving to the engine and machinery is very marked by the use of oil. There is no grit or cinders to work their way into the bearings; the vessel is always clean, there being no smoke or or should not be any smoke if properly consumed.

Drilling at Beaumont.

The method of drilling the great gushers of the Beaumont field is novel and interesting to oil men who have been accustomed to the generally accepted method of the Western Pennsylvania, Ohio and West Virginia fields. The Texas formation is soft and the oil-bearing rock is found a comparatively short distance below the surface of the prairie. Quicksands also appear instead of the flinty rocks of the Pennsylvania fields, and ingenuity has been tried in efforts to overcome it economically.

There are no walking-beams or the straight up and down lift seen in local derricks. A heavy wire cable wound around a strongly built drum runs to the top of the derrick, through a sheave, and, roughly speaking, swings in several long loops through a pulley dependent midway in the derrick. The casing, capped by a bit shoe, is the drilling machine attached to this pulley. Screwed to the top of the casing is a fixed casting connected with two high-pressure steam hose. This casting works on a swivel, which in turn is fixed to the end of the casting. The bit at the bottom is so arranged that only a small portion of the end of the tubing is closed, leaving ample room for flow of water in drilling and the entrance of oil in case a gusher is found.

A horizontal shaft running from the engine is attached to a wheel which in turn locks the casing firmly, causing it to revolve rapidly as the drilling progresses. Rollers are so placed in the locks that the vertical movement of the casing, as the well is drilled deeper, is not interfered with.

The pumps are started as soon as the drilling is begun, two pumps forcing the water into the hole at high pressure. The casing is revolved and the water, loosening the soft clay and sand, permits the shoe to grind its way rapidly toward the oil-bearing rock. The water escapes and works its way outside of the casing to the surface and is allowed to run away under the derrick floor to dams to settle. It is then used over again. The pumps are never stopped unless additional casing has to be screwed on. Even then the interruption is only for a fraction of time, as the soft clay and sand would quickly clog the casing and bit and prevent further drilling if the pumping was stopped. An extra pumping set is attached to the new casing, which is quickly screwed to the one in the hole, while the workmen remove the old pumping set.

The drilling is remarkably swift, as the water so loosens the earth that grinding is keen. The speed is really much greater than would be possible with an old-time drill. In case quicksands are struck a mortar of clay and water is pumped into the well instead of water. This walls up the hole and keeps out the quicksand. One driller discovered this after ten days' futile efforts to complete his well. He found that at the end of that time the bottom of the well was twelve feet higher than it was before the quicksand was struck. He would have been pumping yet if he had continued to use either alone.

Judgment for Mershon.

Judge Hebbard granted a nonsuit Friday in the action brought by S. S. Simon against James R. T. Mershon for 52,000 shares of Monarch Oil company stock, and dismissed the case. Simon, who was formerly a detective, said that he assisted Mershon in promoting the formation of the company and that Mershon tried to defraud him.

View of Bakersfield.

A very handsome souvenir of Bakersfield has been gotten out by N. J. Stone & Co. of this city. Through courtesy of C. S. Bradford one has been placed on exhibition in the OIL REPORTER office. The souvenir consists of a birdseye view of the city of Bakersfield with views of the buildings and points of interest in the neighborhood.

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The Florence Oil Company

Incorporated under the laws of Arizona.

100,000 Shares of the Par Value of $1 Each. Stock Absolutely Non-Assessable

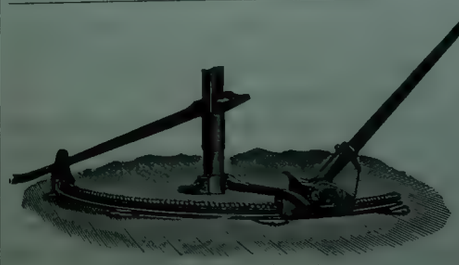
This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

Offices of the Company, Rooms 309-10-11, 503 California Street, San Francisco



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FRIDAY, JULY 26, 1901.

THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

The Strike and Oil.

The strike is temporarily affecting the oil industry. It has not only lessened the oil consumption by at least 50,000 barrels a month, but has been a great factor in lowering the price of stocks in the exchange, and making it well nigh impossible to sell treasury stock on the outside.

That business will pick up again when the strike ends there can be no doubt, and the sooner it ends the better for all—especially for the strikers.

* * * *

It is a nice commentary on our vaunted American civilization and equal rights for all that it is found necessary to protect the non-union driver of each dray in San Francisco by an escort of mounted policemen. We all ought to be proud of ourselves when we see a decent American trying to drive a truck and surrounded by a lot of howling, half drunken toughs who jeer and threaten and would beat the life out of him were it not for the blue coats. And it is safe to say the non-union driver is an American, born and bred, while most of the men who threaten are "citizens by adoption." It is a pity they cannot be returned to the land of their birth.

* * * *

While the strikes now on in San Francisco are hurting business it is curious to note how some people seem afraid to express an opinion on the subject. Some are looking for a chance for political preferment and are afraid they might lose a vote; some think they might lose a dollar in trade either from the laboring classes or their employers and accordingly sit on the fence and utter commonplaces to those on either side. Business men ought to denounce the strike, and denounce it openly and strongly.

* * * *

But the city newspapers are the worst of all. Instead of deploring the strike—instead of showing how it has affected the business of the city and state—instead of showing the strikers that they are the slaves not of their employers but of the officers of their labor organizations—the walking delegates, secretaries and "organizers," instead of showing how satisfactory is the condition of the working man, how he has been enabled not only to earn but to save money, these city newspapers, without exception, have fostered the strike, have encouraged the professional trouble breeders, have given the strikers a false idea of their strength and influence, and have done immense harm to business interests of every description.

Not a daily in San Francisco has dared to come out openly on the side of brains and capital, and decry measures that lead to riot, poverty and despair. If there is an editor in San Francisco who dares to express his honest convictions his name does not appear on any of our daily papers at present.

Apparently prosperity is bad for California. There never was a strike here except after a period of prosperity. The last two years have been friendly to the state. Work has been abundant. Wages have been high. The outlook was exceedingly good. But that is just the time for the walking delegates to get in their work. The laboring classes have the money to strike on and so they strike. If they were hard up and needed work there would be no strike. There never was any labor trouble in San Francisco when times were hard.

Falling Market in Russia.

California is not the only oil field in the world that is suffering from the effects of an industrial crisis resulting in a shut-down of iron works and other factories, so that there is no market for the oil as fuel, the purpose for which it is mainly used. In Russia this has been followed by producers making sales at any price, and in consequence the market dropped from a figure equivalent to about $2.50 a barrel down to about 45 cents, and the producers are united in stating that the business is no longer profitable at such rates.

To be sure, some of the Russian wells are enormous producers, running over 30,000 barrels a day in many cases, and a large proportion being gushers which require no pumping, so that production is inexpensive compared with other localities.

In view of this remarkable production, it is surprising to hear of complaints at a price which in Texas would be thought a good return. It must be taken into consideration that the production of the Baku fields is rapidly falling off and accordingly producers have a right to expect a better market.

The Supply of Oil.

The shipments of oil from the Kern River fields for the year 1900 aggregated 919,275 barrels—an average of over 75,000 barrels or 500 carloads a month. During the present year there were shipped from Bakersfield by both the Southern Pacific and Santa Fe 1055 carloads or 158,250 barrels during the month of January; 860 carloads or 129,000 barrels in February; 1294 cars or 194,400 barrels in March; 1296 or 194,700 barrels in April; 1459 cars or 218,850 barrels in May; and 1207 cars or 181,050 barrels in June. The total for the year so far is 7,175 cars or 1,076,250 barrels, which is more than the production of all last year. We have no report of the shipments of the present month to date, but they have been quite heavy, averaging seventy-five cars a day. There is also in the tanks of the Standard Oil company 315,000 barrels, and there is enough on storage with other companies to make the total reach the aggregate of 400,000 barrels, all waiting for an increase in price before being placed on the market.

To provide for this enormous increase in production, the Standard Oil company is putting up tanks as fast as possible, and nine have been already erected, with the material on hand for twenty-seven more. These thirty-six tanks will have a capacity of 35,000 barrels each, or an aggregate of over 1,000,000 barrels. It is a curious coincidence that the Standard's tankage should be the same as the output of the field for the first half of the present year. In the Bradford, Pennsylvania, field the Standard is reported to have put up a tank a day and filled each one as it went up, until the company had on hand 39,000,000 barrels, before placing the product on sale, and Kern River operators are hopeful that the same policy will be pursued on this coast.

According to a weekly market report published by an Oakland, Cal. commission house, the effect of oil upon the wheat market is alluded to in the following paragraphs, and to say the least the thought is a new one:

It is rather strange to contemplate, but it is nevertheless true, that the recent development of the oil industries in this state will, to some extent, affect the price of wheat. Oil is plentiful and manufacturers everywhere are rapidly changing from coal to oil as a fuel. This will necessarily result in the diminished importation of coal from foreign ports, and this diminution will in turn tend to maintain the prevailing high rates for ocean freights.

CALIFORNIA OIL STOCK DIVIDENDS.

Some California oil companies have been paying handsome dividends to their stockholders. Some of the best paying companies, such as the Coalinga Oil Company (Chanslor & Canfield), the Pacific Coast Oil Company (now the Standard), the Puente Oil Company, and others, are close corporations whose business is not accessible to the public. Part of the following list belong to the Producers' Exchange, others to the Los Ange es Exchange. The list does not comprise all the dividend-paying companies by any means.

NAME OF COMPANY.	Authorized Capital Stock	Shares		Dividends.			
		Issued	Each Share	Paid, 1901	Total to Date	Latest Date	Amt.
Arizona Western Oil	$500,000	500,900	$1	$12,000	$18,000	June, 1901	.02
Aztec Oil	250,000	115,000	1	2,300	2,300	April. 1901	.02
Buckhorn Oil	200,000	16,000	10	.....	3,800	Mar. 1900	.05
Burlington Oil	60,000	60,000	1	600	4,200	Jan. 1901	.01
California Oil and Gas	2,000,000	200 000	10	250,000	250,000	Jan. 1901	1.25
Central Oil	750,000	662,800	1	39,768	8[illegible],480	April, 1901	.03
Central Point Con. Oil	200,000	190,000	1	15,200	22,800	June, 1901	.02
Continental Oil	300,000	260,000	1	7,800	10,400	April, 1901	.03
Dabney Oil	1,000,000	1,000,000	1	10,000	10,000	May, 1901	.01
Diamond Star Oil	250,000	100.000	1	.....	6,250	Nov. 1900	.02
Four Oil	300,000	300.000	1	1,2000	12,000	May, 1901	.01
Fullerton Oil	25,000	25,000	1	730	750	June, 1901	.03
Globe Oil	600,000	600,000	1	3,000	3,000	April, 1901	.00½
Gray Eagle Oil	230,000	100,000	2½	97,000	217,404	May, 1901	.47
Great Western Oil	100,000	10.000	10	.....	10,000	Oct. 1900	.10
Home Oil	100,000	100,000	1	40,500	240,500	June, 1901	.07½
Homestake Oil	100,000	10,000	10	9 000	32,000	June, 1901	.15
Kern Oil	100,000	100,000	1	25.000	373,000	Jan. 1901	.25
Los Angeles Oil and Trans.	500,000	500,000	1	125,000	125,000	Feb. 1901	.25
Oceanic Oil	100,000	100,000	1	.....	2,000	Dec. 1900	.02
Oil City Petroleum	500,000	500,000	1	2,509	2,500	June, 1901	.00½
Park Crude Oil.	100,000	82.000	1	.....	4,847	Sept. 1900	.01
Producers & Con. Oil	1,000,000	10.000	100	4,000	57.000	Mar. 1901	.10
Reed Crude Oil	2,000,000	2,000,000	1	50.000	50,000	April. 1901	.02½
San Joaquin Oil & Dev.	100,000	100,000	1	10,000	10,000	Jan. 1901	.10
Southern Cal. Oil & Fuel	300,000	200,000	1	18,000	24,000	May, 1901	.01½
Union Oil	10,000,000	52,627	100	47.404	47,404	May, 1901	.45
United States Crude Oil	100,000	100,000	1	12,000	15,200	June, 1001	.02
Warner Oil	200,000	200,000	1	10,000	10,003	June, 1901	.01
West Lake Oil	500,000	500,000	1	.....	50,000	Sept. 1900	.01

INEXHAUSTIBLE.

What an English Oil Authority Thinks of the California Fields.

The "Petroleum Review" is the leading organ of the petroleum industry in England. The editor is Paul Dvorkovitz, one of the best posted men on the oil industry in the United Kingdom.

The following letter to the Secretary of the Petroleum Miners' Association is self-explanatory:

Dr. C. T. Deane, Secretary California Petroleum Miners' Association, San Francisco, Cal.—Dear Sir; Your favor of June 22nd to hand and I have accordingly arranged that a copy of the "Petroleum Review" should be forwarded to the address of your Association.

I congratulate the California Petroleum Miners' Association on the successful work accomplished by them in the first year and I hope that in the future they will be as useful to the industry as they have been hitherto. The acquisition of a gentleman, who has so much at heart the welfare of the California petroleum industry, as Mr. de Young as honorable President is an event which your Association has to be congratulated with. I have had the pleasure of a brief personal acquaintance with Mr. de Young in Paris at the meeting of the first Petroleum Congress, when he was good enough to address the members, and we all greatly appreciated the good wishes expressed by Mr. de Young to the industry as a whole, and by his remarks he attracted the attention of a great many people to the possibilities of the California industry.

I am very thankful to you personally, dear doctor, for your kind promise to supply us with information, which will enable me to publish all the facts about the California Petroleum Industry. I need hardly tell you how glad I am to see the rapid growth of that industry. The energy displayed by the Californians is really remarkable. I had a special opportunity of admiring the way how they brought Californian products before the whole world at the last Paris Exhibition. The courtesy shown by Messrs. Truman and Marais to every visitor has attracted a great deal of attention, and no one had anything but praise for the way in which they spread information about Californian industries.

I personally will always be very glad to assist your association by every possible means to draw the attention of the public. From the last few numbers of the "Petroleum Review" you have no doubt observed, that I am devoting a considerable part of the space in my paper to your industry, and I hope, that by means of making known all the facts many English capitalists will be induced to take an interest in your oil territories, which seem to be inexhaustible.

In a previous letter to your association I mentioned that I am establishing here a Petroleum Institute. I am now glad to announce, that the arrangements for the opening of such institute are nearing completion and herewith beg to send you the programme of the same. I would propose, that your association, in the interests of the industry which they represent, should send out here some of their leading men to deliver four or five lectures on California petroleum, naturally bringing with them samples of oils, maps, geological sections, etc. I am taking steps, that the lectures delivered at the institute having a general interest should be reprinted by the general press and widely circulated. By this means the attention of English investors would be attracted to your country.

I remain, dear sir, yours very truly,
P. DVORKOVITZ.

OIL EXCHANGE STOPS CALLS.

San Francisco Exchange Discontinues Leading Features.

The San Francisco Oil Exchange has been on the eve of dissolution or suspension. Business has been dull with the exchange. There is no attempt to conceal that. After it opened for business the demand for oil shares began to drop off and no reaction has set in. As the exchange has paid its rent one year in advance and has an income sufficient to pay a secretary and janitor, the members have decided to merely dispense with their caller for a few months, until the business begin to brighten up. Members consider that they will be benefitting holders of oil stock by suspending quotations for the time being. Some few favored dissolving the organization altogether, but they are not powerful enough to count. Another contingent favors suspension of business for three months, but the majority rules and the exchange will run along, with a reduced list of expenses and minus the daily call temporarily. Calling was discontinued last Monday, and trading will be hereafter confined to individual deals among the members on the floor. No printed sales list will be issued, but sales made will be reported to the papers.

Liked Diamonds.

James Walling, until lately secretary of the Oil Land company of which Colonel L. P. Crane is the president, was arrested on Tuesday on the charge of stealing the diamonds of his landlady. The gems were found in the lining of Walling's hat. Walling was secretary of the company up to the middle of this month. The Oil Land company is managed by W. O. Hilbish and has taken the contract to put the well of the Diamond Oil company down 2000 feet.

Oil in Costa Rica.

There is probably no oil company operating on the Pacific Coast which has a more liberal concession than the Costa Rica Petroleum and Coal Company, which has entire control of the petroleum and coal lands which may be found anywhere in the confines of the republic. The official documents confirming this grant for a period of fifty years have recently been signed by President Iglesias, securing the exclusive right to this company to exploit, develop and market all the petroleum and coal deposits of that territory for a period of fifty years.

A careful examination of the indications of the country has been made by Dr. E. Henrici, a German mining engineer and a geologist of eminence, and by Carlos Iglesias, also a mining engineer and brother of President Iglesias, and these gentlemen report that in extent and quality of product the coal fields of Costa Rica are equal to any in the world, and extend along the Gulf coast of the state for a distance of over one hundred miles. Now that the rights of the company have been secured, active development will begin immediately, and it is expected that coal from the company's property will soon be placed on the market. As soon as the legal forms have all been arranged the stock of this company will at once advance to 25 cents a share. Pending these final arrangements, however, which will be a matter of only a short time, the stock will be sold for 10 cents. Any one who desires to invest in a certain income-paying stock in a proposition from which the element of chance is entirely eliminated, will do well to buy a block or two of this stock while it can be had at 10 cents. One or two changes have been made in the board of directors, which add very materially to the strength of the company. The entire directorate is composed of business men who are known to be of unquestionable business ability and integrity, and their names alone are a guarantee that the affairs of the company will be administered in a perfectly business-like manner. The Pacific States Mining and Investment company, at 326 Post street, San Francisco, fiscal agents for the Costa Rica company, have the handling and management of the company's affairs, and all inquiries for stock or information should be addressed to them.

Personals.

Mr. F. R. Deremer will leave for New York on or about August 15th, where he expects to close up several important deals. Mr. Deremer will remain in the East until the middle of October.

R. W. Gorrill has just returned from Mexico, where he was sent by a syndicate to examine the oil formations. In the neighborhood of the city of Mexico he found oil oozing from crevices in an unmistakable granite formation.

Calistoga Oil & Development Co.

Work on well at Calistoga is progressing nicely. The drill is still in a stratum of shale at 400 feet. The second rig began drilling on section 18, township 17, range 12 in Vallecitos district, San Benito county, July 15th and the work is progressing in a rapid and satisfactory manner. At present water is being hauled from Vallecitos Creek while awaiting completion of Vallecitos Water company's line.

Texas Girls in Oil.

According to the Beaumont Enterprise, Texas is to have something new in the way of an oil company composed entirely of women. It seems that among a party of excursionists to Port Arthur were the Misses Millie and Margaret Cooper, Miss Maud Wisdom and Miss Davie Scott, who conceived the idea, and in about an hour closed a deal for 1000 acres of leases. That had no sooner been done than the charter fees had been subscribed and an organization formed. The company will be composed of thirteen charter members with a capitalization of $100,000. They have already received subscriptions for stock and by the time the charter is filed there is likely to be quite a gang of young men, and old ones, too, trying to get in on the ground floor.

There is no doubt but that these enterprising young women will be able to dispose of their stock with a great deal of celerity, but finding oil will be quite another proposition. Such companies are not unknown in Pennsylvania and several of them have proved quite successful. There are also quite a few individual producers among the female sex.

Sacrificing Their Oil.

The Home Oil company of Coalinga has been put in a quandary by the refusal of the Hearst Estate to fill its contract. As the matter stands, they cannot make any contracts, because the signature of the Hearst Estate is necessary to any contract if the company is to recognize the validity of the former contract, and this the Hearst Estate declines to do, as it would be an admission of liability. Consequently the Home company is forced to make sales to the Union Oil company at a price less than 30 cents a barrel for 34 gravity oil.

Gas Flares.

Findlay, Ohio, people, according to a report, are to drill an oil well, or a duster, as the case may be, large enough to permit a man, supplied with air in a diving suit, to go to the bottom and examine the different strata. He will come out when the well is shot.—Pet. Gazette.

Annual Meeting.

Notice is hereby given that the annual meeting of the stockholders of the Leased Land Oil company will be held in the office of the company, room 22, 212 Sansome Street, San Francisco, Cal., on Wednesday, August 14, 1901, at 2 o'clock P. M., for the purpose of electing a board of directors to serve for the ensuing year, and the transaction of such other business as may properly come before the meeting.

The transfer books will close on Wednesday, August 7, 1901, at 2 P. M.

JABISH CLEMENT, Secretary.
San Francisco, July 26, 1901.

To Capitalists

A reliable oil company incorporated under the laws of Arizona and having one of the strongest directorates in the State would like to pool their interests with some other good company in developing some portion of 400 acres of oil-bearing lands in Northern California. This company has a substantial amount of funds on hand, but not sufficient to complete the cost of sinking a prospect well. The lands of the company are within half a mile of the Southern Pacific Railway and within two and a half miles of water transportation. An abundance of water can be had on the property and fuel oil can be obtained at a very reasonable price.

Proposition will bear the closest investigation. Is first class in every respect.

Liberal inducements will be given to any one desiring to cooperate.

Full particulars at this office.

After Texas Lies.

A new Texas oil company is advertising its stock at 12½ cents a share; five cents a share down and the balance payable when oil is struck. If no oil is found nothing more is to be paid. The property of this company, which was organized at New Orleans and is known as the Maid of Orleans Oil company, consists of a ten-acre tract two and a half miles to the northeast of the Lucas gusher. The prospectus states that there are thirteen gushers between this property and the Lucas well. Of course the number of dry holes is not given.

The Derrick has no criticism to urge against the promoters, provided they go ahead and drill a satisfactory test, but long before they get started their territory will be condemned so thoroughly that little necessity will exist for making any test of it whatever.

It will strike the Eastern oil investor that a nominal capitalization of $300,000 for a ten-acre tract is a pretty good exhibition of nerve, even if the shares are offered at 12½ cents apiece.

The Maid of Orleans company is doing some heavy advertising work in the eastern press and makes the following astounding offer in its announcement to the public:

ONE HUNDRED DOLLARS

Will be paid for every statement in this advertisement which is not absolutely true. We will agree that any business man of standing be the judge.

1. The Beaumont Oil field has fourteen gushers, the smallest of which is larger than any other well ever discovered in the world outside of this district.

2. By actual test a 35,000-barrel tank was filled from one of these wells in a little over twelve hours.

3. The actual cost of producing this oil is not over a tenth of a cent per barrel.

4. All of these wells have been found during the past seven months.

5. These wells are capable of producing as much oil in fifteen days as the combined production of West Virginia, California, Indiana and Ohio for the last fifty years.

6. Any one of these gushers can produce, and does produce, at this ratio as much in two months as does the entire state of California in twelve months.

7. Any one of these gushers produces at a rate equal to all the wells of the state of Pennsylvania combined.

8. The production of one gusher for a year, at the rate it has actually produced, is equal to 7,000,000 tons of good steam coal; 7,000,000 tons of good steam coal, delivered at the Atlantic Gulf Coast, is worth more than $15,000,000.

9. The yearly production of a gusher, as above, delivered at the coast, should be worth $15,000,000.

10. The cost of delivering this oil to the coast should not be over 10 cents per barrel, and 3½ barrels of oil do the work of a ton of good steam coal.

11. The railroads, the Standard Oil company and the great coal interests, which carry with them a very large newspaper interest, are discouraging the opening up of the Beaumont field. The ability of the owners of Beaumont oil to deliver the goods direct from the wells to the sea prevent any combination of capital in thwarting this great southern enterprise.

The Derrick takes exception to most of the above assertions and enters claim for one hundred dollars against the Maid of Orleans company on the following propositions:

1. The Beaumont oil field may have fourteen gushers, but the rest of the statement is false. There are at least a dozen wells in the Russian oil field whose output, when first drilled in, exceeded that of any gusher ever struck in Texas. In the Bibi-Eibat district one well struck in 1898 produced 4,000,000 barrels of oil in less than sixty days. A number of wells have been struck at Baku that started at over 100,000 barrels a day. Last June a big well was drilled that continued flowing until August and produced over 2,000,000 barrels; its average yield in July was 37,000 barrels a day. The smallest well at Beaumont will not average 37,000 barrels a day for six days, to say nothing about a month. The Derrick claims a hundred dollars on this account.

3. This statement has been denied on good authority. The Derrick, however, will accept the figures of the Higgins Oil company if they can be procured. It is very doubtful if any well in the Beaumont field has ever yet filled a 35,000-barrel tank in 24 hours.

3. On territory that is said to have been sold for $120,000 an acre the actual cost of production will soon figure up more than a tenth of a cent a barrel. And as the wells decline the cost must be still higher. On Spindle Top heights an eighth of an acre of land has been sold for $15,000. This is regarded as sufficient area for a single well. Estimating the average price for drilling at $10,000 and the investment is $25,000. If a 35,000-barrel tank has to be built still more money will be demanded. At one-tenth of a cent a barrel such a well will have to produce 25,000,000 barrels of oil before the original investment is paid back. With eight wells to the acre, figuring on the above average, there must be 200,000,000 barrels of oil underlying every acre of ground on the top of Spindle Top heights This is more than three times the amount produced by the Pennsylvania and Buckeye oil regions during the year 1900. It is a physical impossibility that any well in the Texas oil field can ever produce 25,000,000 barrels of oil. The Derrick claims another hundred dollars on disproving the statement in the third proposition.

4. All of these wells have been found within the past seven months. As the first well at Beaumont was discovered on January 10, 1901, this statement is undoubtedly true.

5. The capabilities of these wells have never been tested, but the statement that they can produce in fifteen days as much oil as West Virginia, California, Indiana and Ohio for the last fifty years, is a monstrous and outrageous falsehood, to say the least. The above named states have produced since 1875, 365,000,000 barrels of oil. To bear out the assertion in the advertisement of the Maid of Orleans company 14 wells at Beaumont must produce 24,000,000 barrels a day for 15 days, or an average of about 1,800,000 barrels a day to the well. The assertion is a lie of the first magnitude, and an another hundred dollars is due the Derrick on account of proposition 5.

6. The State of California produced about 5,000,000 barrels of oil in 1900. The sixth assertion is to the effect then that any well in the Beaumont field is capable of producing 2,500,000 barrels a month or over 80,000 barrels a day. Inasmuch as no one knows that there is a single well in the field capable of doing 50,000 or even 25,000 barrels a day for six days in succession, this statement, too, must be written down as not in accordance with the possible facts. and the Derrick lays claim to another hundred of the Maid of Orleans' money.

7. If any one of these gushers can produce 40,000 barrels a day for ten days in succession, then it can be said to equal the entire production of the state of Pennsylvania; otherwise the assertion has no substantial basis of fact.

8. At 30 cents a barrel, a Beaumont gusher will have to produce 50,000 000 barrels of oil in a year, to amount to $15,000,000. A year is a long time to wait, but it can be confidently asserted that if there is a well now at Beaumont making 1,000 barrels a day, by this time next year it will be a most phenomenal one, and a greater wonder than the Pan-American Exposition.

9. This assertion is to the effect that the yearly production of a gusher, as above delivered at the coast, should be worth $15,000,000. Fifteen thousand dollars will probably be a long ways from the truth for the average production of a Texas well and even at this figure hundreds of experienced operators would be willing and ready to engage in the development of the field. The fifteen million dollar estimate is a fable pure and simple. The statement is untrue and cannot be substantiated. Another hundred dollars is due the Derrick on proposition nine.

10. The cost of delivering oil to the coast will depend largely upon the amount of capital that has to be invested in tanks, pipe lines and pumping stations, and the probability of a constant supply of oil. If the Beaumont pool exhausts itself within a year, as is altogether probable, and the pipe line companies have to continue making extensions of their lines, ten cents a barrel is a very small amount for taking the oil from the tanks of the producers and delivering it at the seaboard, even if the coast is less than twenty miles away.

11. No one is throwing anything in the way of the development of the Beaumont oil field. On the other hand, the oil fraternity everywhere is waiting anxiously until the demand becomes great enough to warrant the opening of the wells now drilled to their full capacity. No combination of capital is trying to thwart the great southern enterprise. On the contrary, it is concerns like this Maid of Orleans Oil company that are doing more to check the investment of legitimate capital in the field than all others combined. The promoter, who is offering stock at five or ten cents a share and promising a $15,000,000 well in return, is the worst enemy the Texas oil industry has to-day.

Out of the eleven propositions made by the Maid of Orleans Oil company in its advertisement, seven are wholly false, one is a self-evident fact, one is an idle and preposterous supposition and the remaining two are open to question. If the promoters of this company mean to live up to their promises, they will immediately forward the Derrick their certified check for $700, and promise to resort to less questionable methods of advertising in the future. A draft on New Orleans will be accepted in lieu of the check.

As a judge of the correctness of the above conclusions, the Derrick is willing to submit the whole matter to Colonel A. F. Lucas or John H. Galey, of Beaumont, Texas.

WILL USE OIL.

The Reclamation Districts Decide to Discard Coal.

A meeting and conference of the trustees of eight of the big reclamation district on the lower Sacramento river with representatives of three oil-producing and supply companies was held at Courtland, Sacramento county, on Monday, when the reclamation districts voted to substitute oil for coal as fuel for the several pumping plants and dredgers. The oil burners and tanks will be put in as rapidly as possible. It was voted to invite bids for fuel oil, to be opened at a general meeting to be held in Courtland on the 27th inst.

The action of the reclamation districts will mean that in the future an average of 75,000 barrels of oil will be used at their pumping stations and on their dredgers each year.

The Latest Maps.

A handsome set of up-to-date indexed maps has been published in book form with an indexed list of the companies operating in Kern county by Hall, Barlow & Austin of Bakersfield. It contains maps of Kern River, Sunset, Midway and McKittrick districts. The book retails for fifty cents.

WANTS MORE MONEY.

Peculiar Proceeding of an Oil Company's Agent.

An action was brought in a Los Angeles court by the Eastern Consolidated Oil company against the Bank of Bakersfield, W. S. Morton and the Eastern Star Oil company to straighten out affairs in the purchase of a tract of oil land in Kern county by the plaintiff recently.

According to the Herald, John F. Spoffard, acting as agent for the Eastern Consolidated Oil company, went to Bakersfield for the purpose of purchasing oil land from the Chanslor Oil company. A deed was made out by the latter concern and placed in escrow with the Bank of Bakersfield. As Spofford did not have the money for the first payment ($12,000) in his possession and was not known in Bakersfield, he secured an advance to this amount from Walter S. Morton, a representative of the Eastern Star Oil company, who took part in the negotiations between Spoffard and the Chanslor Oil company, and, through some peculiar arrangement, a deed was also made to Morton for the land in question and attached to the former deed. Spoffard goes on to state that he reimbursed Morton within a few days and got a receipt from him, as well as an acknowledgement that the property was to belong to Spoffard and not to him. Two other payments of $12,500 were made. Spoffard claims completing the transaction, but, before he secured the deed Morton came to him and demanded an additional sum of $2,500, before he would transfer his lease to the real owners. Upon Spoffard's refusal, Morton deposited $12,500 with the Bank of Bakersfield with instructions that, if the $2,500 requested was not paid within a certain time, this amount be applied toward the purchase of the land by the Eastern Star Oil company, to whom a lease should then be delivered.

Plaintiff states that a large amount of valuable oil-bearing land is rendered unavailable to its proper owners by this tangle and that the bank threatens to deliver the deed to Morton, unless the $1,500 extra, which is not due the Eastern Star people, is paid.

An injunction restraining the Bank of Bakersfield from delivering the deed to Morton is prayed for as well as a decree for the immediate transfer of title to the Eastern Consolidated Oil company.

Title to Oil Lands.

Among the questions which arise to any one contemplating an investment in oil stocks, and a very important one too, is the one as to how the companies hold their property.

There are three different ways in which they can control their property, the best of which is to own it in fee simple.

In some cases it is leased for a definite length of time, in addition to the regular rental of which the company pays a royalty, varying from 8 to 40 per cent., although the latter is unusual, and it is a question whether a royalty of more than 15 per cent. can be paid and the company still make money.

The third is to hold it under the Placer Mining Laws of the United States. Any association of eight or more persons may locate a claim on 160 acres of unappropriated government land, or any number of acres of land, so long as no two quarter sections adjoin, the only immediate expense being the fees for filing the papers. It is, however, necessary to do $100 worth of work on every 160 acres, within one year from the 1st of January following the date of location, providing that the property is located on after the 15th of February. This work can be done on any part of the 160 acres. After $500 worth of work has been done, aside from the annual work of $100, the parties can get a title, or patent to the land.

Many of the best lands, valuable for any mining or oil purposes on the Pacific Coast, are held in this way, and where the assessment work is kept up, the title is next best to owning land in fee simple.

It therefore becomes a question as to whether the officers of the company are reliable, and will see that the assessment work is kept up, as in case it is not done within the limited time, the property reverts back to the government.

While this makes an attractive proposition for "Wildcat" companies, it must also be remembered that a great many legitimate companies hold land in this way, hence the necessity to investigate very closely into the "personnel" of the companies holding lands under the Placer Mining Laws.

Oil Companies Incorporated.

El Karnak Oil company. Principal place of business, San Francisco. Directors: C Jurgens, A N Frost, G T Gardner, W R Jenkins, G R Warren, H M Allen, C Keene, H E Alden, G H Bebbett, W H Rhein and G S Roland. Capital stock, $500,000; subscribed, $4000.

Kennebec Oil company. Principal place of business, Pierre, S D. Directors: E F Atkin, M S Dewing, O I Denison, P C Lassen, A W Berry, W N Cornell and I L Chamberlain. Capital stock, $350,000.

Lower Kern Oil, Water & Land Development company. Principal place of business, Sacramento. Directors: H J Jones, F Nunaz, J Garcia, G S Garcia and A G Stoll. Capital stock, $500,000; subscribed, $280,000.

Miocene Oil company. Principal place of business, Stockton. Directors: H C Meyers, C L Ruggles, H R Campbell, H F Campson and G F Buck. Capital stock, $500,000; subscribed, $550.

Palo Alto Oil company, Arizona. Incorporators: John Dudfield, R S Downan, E O Webb, Jr, J C Franklin, J G Smith, E A Hettinger, O W Dunn. Place of business, Phoenix. Branch office at Palo Alto. Capital stock, $300,000.

Eastern Consolidated Oil company, Portland, Me. Directors: D N Morgan, Ernest Cady and O L Akerly. Capital stock, $5,000,000; paid in, $3.

Drillers' Superstitions.

It has been said that all persons are more or less superstitious. This is certainly true in regard to oil men, drillers especially. Many a contractor who is known as a shrewd business man, and well versed in the art of drilling oil wells, has his pet superstition, to which he looks with the greatest faith. One of the most common of the numerous superstitions is in regard to undertakings on Friday. It is said that nine-tenths of the drillers in Hancock County, Ohio, hesitate to start a well on Friday, and there is a large number of the best contractors in the local field who absolutely refuse to begin operations on that ill-fated day. In northwestern Ohio there are few, if any, drillers who can complete a well in less time and do better work than the firm of McCay & Anderson. These gentlemen make it a point never to start a well on Friday, and their success as contractors is looked upon as standing proof of the ill-luck to be met with by the man who makes the mistake of beginning his work on the hoodooed day.

Frank Young is another well-known contractor who hesitates before he starts to drill on Friday. Grant Burgess, who served as foremon for the Genessee Oil Company eight years ago, believes that Friday is not the right day on which to begin spudding.

When a contractor does not wish to begin his work on Friday he usually arranges matters with the rig-builder, who manages not to complete the rig in time to permit the drillers to begin work before the day following Friday.

A number of drillers are also particular about black cats. Many a time a contractor, dinner pail in hand, on his way to begin work, has turned homeward because a black cat has crossed his path. Other drillers won't start a well if they happen to see the moon over their left shoulder.

A well-known contractor, who has been drilling a number of years in the east field, believes in the efficiency of prayer. Whenever the driller has a fishing job instead of cussing a trifle, which seems to be the usual course pursued, he institutes a series of prayers. As soon as the tools are lost the contractor begins to pray, and the longer the tools remain in the hole the more fervid the prayers become. Last year the contractor prayed for over a year almost continually, and at last he was rewarded by securing the lost tools.

Superstition figures very prominently among many producers in regard to locating wells. Turner & Co. will never pull up a stake for a well after the location has once been made.

A. S. Weil, connected with a number of oil companies in Hancock County, locates his wells by a machine, which, strange to say, is able to indicate the presence of crude petroleum at 1,300 feet or more below the surface of the earth. Mr. Weil has located numerous wells with the oil indicator and has met with great success. About a month ago he located a well for the Filer Oil Company in the Hill Addition, some distance east of developments. Many producers operating in that locality thought that the Filer Oil Company would get a dry one, but the well is now upward of 100 feet in the sand, with 800 feet of fluid in the hole. Mr. Weil located a wildcat well on the Knepper farm, north of Rawson, some time ago, by his oil indicator. The machine showed strong indications of oil at a certain spot, and there a stake was placed for the well. When drilled in the well proved a large shale oiler, but nothing but water was found in the Trenton. The well at present is connected with a tank and occasionally flows three or four barrels at a time. The oil indicator is a contrivance equipped with an elliptical piece of metal fixed to a shaft so as to permit it to turn easily. When a farm is to be tested the machine is passed over the ground, and when it passes over a heavy oil sand the indicator points downward as long as it is over the petroleum. Mr. Weil firmly believes in the efficiency of his machine, and his success in locating wells has led many to believe that there really is something more than mere superstition in the matter.

Has a Large Acreage.

Dr. S. S. Partello was formerly with the army as surgeon both at Cuba and in the Philippines. Returning from Manila he was so favorably impressed with California and with its oil industry that he determined to remain here permanently and engage in the oil industry himself as a practical developer of new as well as of old oil fields. A company has been organized with Dr. Partello as president which now owns over 8,000 acres of oil land as follows: In the McKittrick district 800 acres, in Coalinga 1000 acres, in southeastern Monterey or Waverly district 3,000 acres, in Bitterwater 320 acres, in Vallecitos 3,000 acres, in Fresno-San Benito 800 acres.

The company is organized under the laws of Arizona and is called The American Mutual Oil and Mining Company with a capital stock of 1,000,000 shares at par value of $1.00 each. The main office is in the Crocker Building in this city, and branch offices are maintained in Grand Rapids, Mich., Chicago, Ill., Washington, D. C., New York and London. The eastern manager is E. F. Partello, the brother of the president, and the other officers are G. F. Randall, vice-president; R. H. Rusch, secretary; W. B. Estes, treasurer. Although the company has but just been organized it has already placed over 1,000,000 shares of stock principally in the east where the Doctor has hosts of friends both rich and influential.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

CONTRA COSTA.

The Harvey well, now being drilled near Antioch on land leased from the Tidewater syndicate, is down over 1000 feet. Much trouble has occurred from water which up to this time has not been entirely shut off.

COLUSA.

The Herron Oil company on the 16th inst. was down 80 feet and was progressing rapidly.

Quite a flow of gas has been discovered in the creek which runs through the Murdock ranch, near Willows.

The Smith & Gorrill well No. 3 has reached a depth of 500 feet. No. 2 was abandoned at 850 feet on account of casing.

It is reported that the well of the Colusa County Oil company is now down over 200 feet, and that the work of drilling is progressing very satisfactorily.

The Chehalis Oil company will soon have its standard rig erected under the direction of D. F. Houx. The machinery is now being placed in position and by August 1st drilling will begin. This company has shown commendable energy in pushing its affairs.

FRESNO.

Independence is pumping.

Blue Diamond is spudding on No. 1.

El Capitan No. 2 is waiting for a perforator.

No. 5 on "28" is running tower and the hole is down 650 feet.

Maine State Oil company is laying a pipe line to the railroad.

Mercantile Crude's No. 2 is down 500 feet and work is progressing finely.

A sixteen-inch drill will be used to start the first well of the Acme Oil company.

The Rock Oil company has suspended operations for a few days and is waiting for 7-inch drive pipe.

B. Zipperlein, the rig builder, and Chas. Kinney, his assistant, are putting up a rig for the Acme Oil company.

The Blue Diamond is completing a derrick, and will drill near a well recently drilled by Whittier & company.

The two producers of the K. L. and O. company are pumped twice a week with an average output of four barrels per day each.

Pipe has been ordered from the east for the H. H. H. Pipe Line company, which will connect the Caribou wells with Ora station.

Several Coalinga companies composed to a great extent of English and Eastern capitalists are preparing for quite extensive development work.

P. C. Fredrickson, a business man of Fruitvale, has purchased four hundred acres of oil land in the Coalinga oil fields. Part of this purchase lies near Alcalde and part in 6, 19-16.

Two more loading racks and side tracks will be built at Ora station to accommodate the two new pipe lines that are to be laid from the Maine State and Caribou companies' wells.

Capt. McClurg, president and manager of Sunnyside Oil company, has sold 35, 20-14 and 1, 20-14, and NE ¼ section 2, 20-14, also SE ¼ 20, 19-15 to the Zenith Oil company of Duluth, Minnesota.

At present there are a number of Coalinga companies which are keeping their drills in motion, and one or two of them are nearing the point of adding new producers to the list now in the field.

HUMBOLDT.

The Craig well on the Edmondston land is now down some 300 feet.

The Mackintosh well is still going down, being now about 1750 feet deep. Only a day shift is being worked so the progress is slow.

The Hoagland well, on the Upper Mattole, is now down about 900 feet and is still in very hard rock.

At Briceland the derrick is up, and all the boring machinery on the ground and in place, excepting the gudgeons for the bull wheel shaft, which are missing. The absence of these gudgeons may delay operation a short time.

The Humboldt well is now down about 1440 feet, and in a formation, which the drillers, who are old Pennsylvania oil men, say is exactly similar to the Trenton limestone in which oil is found in Pennsylvania and Ohio. This well encountered a small seepage at 1150 feet.

The Wild Goose struck a seepage on July 6th. The gas has been so strong at this well that it has prevented work in the night time, the drillers being afraid of the gas catching fire from the lights. The work is being rushed, however, during daylight, work beginning at 4 A. M. and continuing till 9 P. M. The seepage last struck yielded three barrels of oil per working day, this oil being the accumulation gathered between the hours of 9 P. M. and 4 o'clock the next morning—seven hours. At this rate this seepage would yield about ten barrels per day of twenty-four hours. The manager states that the various seepages already struck in this well, most of which have been cased off, would yield from twenty-five to thirty barrels per day. The well is now down 800 feet, and drilling is very difficult, the formation being very cavy. Great hopes are entertained that a gusher will be struck in this well because the great amount of gas met with indicates a good body of oil beneath.

KERN.

American Girl, on 7, 11-23, has a showing of oil.

Stephens is preparing for an active system of developing on 19, 28-28.

Kern Sunset has entered another stratum of oil sand at 1004 feet in its well at Sunset.

Sunset Center's water well on 10, 11-24 is throwing out large quantities of water, gas and oil.

Grace Oil on 8, 29-28 has well No. 5 on the pump and it is doing about 200 barrels.

The Sunset Diamond No. 2 which is to be a water well, is now down over 300 feet.

The Lion No. 2 is flowing thirty-two barrels a day and the Lion No. 1 is pumping thirty barrels.

A deal has been consummated on 5, 29-28 and active work will begin, but for various reasons the plans are not made public.

At many places in the field new work is being planned and it shows the feeling in regard to the future of the greatest of all coast industries.

The Maricopa has lately been hauling all the oil for the Jewett & Blodget refinery. The well is now flowing fifty barrels a day.

A sump hole of oil took fire in the local fields this week and caused quite a smudge during the afternoon and evening.

Development work in the McKittrick field is reported very slack and several of the new companies of the district have been closed down by the officers.

Del Rey No. 4 entered the first sand on section 2, 29-28, Saturday. The company expects to soon have another producer equal to Nos. 2 and 3.

Nos. 2 and 3 of the oil wells on the Senator property on 31, 28 28 have been sand pumped and will again take their place among the list of producers.

The Wichita has been having a good deal of trouble with heaving sand. It seems to have filled the hole and bridged the casing. They have a good well and have been getting quite a flow of oil. The company has decided to put in another rig, and the derrick will shortly be commenced.

The county assessor of Kern county has increased his assessment roll five million dollars over that of last year. The total roll of Kern county is now twenty million dollars.

The water in No. 3 of Kern River Mutual on 4, 29-28 has been shut off and the well is doing about 150 barrels of oil daily. No. 1 is producing about as much and No. 2 is good for 75 barrels.

Several contracts for oil are being signed up with the consumers down about the bay. The delivery is generally for a short time, the producers refusing to make long term contracts.

The Sunset Center is pulling casing from its well on section 12, 11-24 and will move the rig to a point nearer the Tiger. The latter has proven its property by the completion of a good well.

The National Crude is soon to begin sinking a well on 19, 28-28. The company is composed of Eastern men. It has holdings in McKittrick, Sunset and Kern River fields.

The Argonaut, section 2, 30-21, has been compelled to abandon its first hole on account of the telescoping of the casing. The rig is being moved to a new location where another well will be drilled.

Well No. 1 of Spring, operating on the flat on the south side in Kern, was put on the pump last Thursday, and for several hours produced oil at the rate of 150 barrels per day, and free from sand and water.

The Kern King, operating on 11, 30-21, has the casing stuck in the first well. It is the intention of the company to complete the hole with 200 feet of oil sand. It is now 1260 feet deep and has 116 feet of sand.

The Royal, 12, 32-23, has lost a bailer in the hole and has been fishing for it. Notwithstanding this mishap, the oil still continues to flow, and it is estimated that they have a thirty or forty-barrel well.

The material for the outfit to replace the one destroyed by fire, for the Century company last week, has been sent to the holdings on section 24, 28-27. The derrick will be erected at once and the well completed as soon as possible.

A sale has been made of 320 acres in the Kramer field and buyers are preparing to begin operations in drilling. A rig is ordered to be set up on 19, 10-6, two miles south of the railroad, and this will prove the basin as far south as the granite hills.

The Jewett & Blodgett refinery at Sunset will be enlarged. Two new agitators have arrived and will shortly be put in place. In one of the additions to the refinery will be installed that portion of the plant that will be used for the manufacture of lubricating oils.

The Supervisors of San Joaquin have contracted with J. B. De Camp to oil a section of the roads in that county. The oil will be furnished and applied to the roads at an expense of $1.25 per barrel and if the experiment is successful many more of the San Joaquin highways will be given like treatment.

Aladdin has again tested its well No 1 and it has proven to be a big one. The pump is 150 feet from the bottom of the well and there is 400 feet of oil in the casing. Well No. 2 is ready as soon as the pump arrives. The management is figuring for a complete plant using compressed air.

The Kern Valley Oil company on 14, 28-27 has its rig all ready for work but is not developing for the reason that it is the intention of the company to take the lease of the Lincoln Oil company on the adjoining section and complete their well which is now down over 800 feet.

Kern Oil and Development and the Falcon, operating on a lease from Chicago Crude on 30, 28-28, pumped their wells for the first time last week. The companies are putting in flumes for the conveyance of their oil, constructing several settling tanks, and building four 1200-barrel measuring tanks.

The Nineteen Oil company on 19, 28-28 has reached a depth of 500 feet, having spudded in less than a week ago. The hole is standing in good shape without being cased. This will undoubtedly be one of the big wells in the field, for it is going to the lower strata. Hickey & Vezie are doing the work.

Bear Flag, in Kern River district, is pumping wells Nos. 1 and 2. They are both good yielders. Over 2000 barrels were pumped from the wells last week. The Bear Flag is on a safe footing now, its lease calls for two wells per year and the company has lived up to its contract. The assessment (No. 2) will place the company out of debt The company have expended $20,000.

The Illinois Crude, a company recently incorporated to develop lands on section 29, Kern River, has organized by electing the following officers: President, A. K. Percival; vice-president, Colonel T. Spellacy; secretary, J. Benson Wrenn. President Percival is now in the east in the interest of the company, and operations are to be commenced at an early date.

With its loading racks completed this week, San Joaquin will be equipped to load in short order a train of forty or fifty cars. Two pipes extend from the big 35,000-barrel tank to the loading rack, and attached to the latter are fifteen swinging spouts that can be shifted so that thirty cars can be loaded without moving the train. A car can be filled in less than five minutes, and a string of thirty cars in a little more than two hours.

One of the Aztec's wells, on 4, 29-28, threw for two hours one day last week a stream of oil, at times, far above the crown block. The well has been pumped for a year or more and is a fine producer, but this was its first experience as a spouter. During the two hours one hundred or more barrels of oil were scattered about the premises. After this performance it settled down to its customary stunt.

In connection with the Sunset railroad, Jewett & Blodgett favor locating the depot near the refinery, and will probably bring influence to have it built at that place, while Queen Oil, which owns the town site is trying to prevail upon the company to locate the structure on a lot in the town. Work on the road is progressing. The graders are working near the Buena Vista reservoir, and the track layers are making good progress a few miles behind them. After the levee is left the work of grading across the the plains will be rapid, and in thirty days the end of the proposed route will be in sight.

LOS ANGELES.

The Philadelphia Oil company's well in Castaic Canyon was begun last week.

Well No. 5 of the W. P. Rice outfit in Rice Canyon is now down to a depth of seventy-five feet.

Slight indications of oil have been found in the Joyce well on the old Chandler property. Recently a gas pocket was uncapped.

The new well of the New Century company is showing up better every day, and there is good prospects that it will develop into a fine producer. At present it is yielding about four barrels of white oil per day.

The Whittier Grande company is not satisfied with the prospects of finding oil on its property in the East Whittier field and will begin operations in the Los Angeles local field if present plans are carried out.

From the plant of the Pioneer White Oil company comes word that it has succeeded in shutting off its flow of water at a depth of 1270 feet. Since the drill has been sent in deeper a flow of gas was encountered.

The Puente Oil company is now drilling three new wells, which are down 250, 650 and 700 feet. Development work is also being pushed day and night on the Brea Canyon Oil company's lease, a lot of late improved drilling machinery having been put in.

MONTEREY.

The Arroyo Seco on 20, 19-6 is down 400 feet. The drill has passed thirty-six feet of oil sand which produced about twenty barrels a day. This is now shut off and the well is being driven down to the large body of oil sand that is believed to lie below at a depth of less than 1000 feet.

NAPA.

A bad report comes from the Anglo-American Oil company in Napa county. When the hole was down 170 feet, the formation being soft, and while waiting for casing, a cave occurred, and the hole had to be abandoned. Drilling has been commenced on a second hole.

SANTA CRUZ.

The well of the Watsonville Coast Oil company on the Hughes farm is down over 300 feet, and is in very favorable

ground. Last week the drill passed through 40 feet of oil sand. This s an encouraging showing, and the officials of the company feel that they are boring at the right place and that the surface promises will develop into a fine showing of high grade oil.

The Pajaro Valley Oil company has resumed work on its well near Pescadero creek. The drillers who began sinking struck a flow of water at 270 feet and in attempting to shut it off broke some casing. Another force is now at work. The water has been shut off and drilling has been resumed. The directors of the company are well pleased with the prospects and are pushing work on the well with vigor. There are plenty of oil indications and they are being followed up.

SOLANO.

No change has taken place in the conditions in the Rochester company's well. A general meeting of stockholders was called for Thursday evening to determine whether it would be advisable to expend more money in an attempt to shut off the water in the well.

Work on the Vacaville well is progressing favorably now and the developments of the past few days have given the members of the company strong hopes of soon dropping into oil sand. Some oil was found this week and the sand brought to the surface by the bailer had a strong odor of petroleum. Considerable excitement was caused by this discovery. A strike of oil in the near future would not be surprising to those who have watched the progress of the work in the well.

Work on the Armijo company's well has been conducted only part of this week, the delay being caused by another shortage of water. Mr. Ferguson has purchased the old water wagon owned by the town and is having it repaired and tightened. In the future about one-half of the water used at the well will be hauled there. Although work has been necessarily slow on account of the hard stratas of rock encountered, indications are good and the drillers have every hope of finding easier drilling before reaching a much greater depth.

SAN BENITO.

The Grant Oil company, on the Topo, are now down 1200 feet, and are experiencing a heavy flow of gas.

SAN LUIS OBISPO.

The Downer company, in the same district, has suspended operations.

The Nacemiento company, in the Salinas district, has suspended work, but whether permanently or not can not be learned.

The Great American has for some time been trying to extract a twelve-pound sledgehammer, supposed to have been dropped into the well by an employe who had been discharged.

The Harkness company, in the Huasna district, is drilling away night and day, the hole being now 1200 feet deep. It is thought that 1600 to 1800 feet in depth will have to be reached before oil will be found.

H. H. Johnson of Guadalupe has given an option on his ranch to an oil company for $100,000. They are to put a well down 2000 feet and if they strike oil they pay for the ranch, but if they fail they move off.

The well of the Great American on 2, 10-25, near the Monterey line is down 531 feet. Since the 130 foot line heaving oil sand has been found. The well is now yielding a liquid asphalt said to be very valuable. Indications are good for an early strike of oil.

SANTA BARBARA.

The stopping of drilling at the Drexel well means that there is no drilling going on in the southern part of the county outside of Summerland. Some new work, however, is soon to commence at Carpinteria, and at Naples the Naples Oil and Land company hopes soon to add several hundred feet to the depth of its well No. 3.

The Drexel Oil company's property at Hope Rancho, has temporarily suspended work there on an 800-foot well. The well has gone down rapidly, but it is found that the rig in use is not up to the work required. A new rig is to be put in place. It has been ordered and will probably arrive about August 1. The prospects at 800 feet are favorable.

YOLO.

It seems surprising that no development work has been commenced in Yolo county. Those companies like the Yolo, with capitalists like T. L. Reed in their organization, do not need to wait to sell stock to test the question whether there is oil in paying quantity in the territory. The Yolo Oil company has had a load of material at the Guinda depot since before last Christmas, and nothing has been done yet.

A Strong and Safe Company.

The Standard Rock Oil company has leased ninety-two acres of absolutely proven oil lands in McKittrick, which are surrounded on all sides by producing wells. The oil from the Little Standard fairly runs over the Standard Rock lands. The wells surrounding these lands are too numerous to mention, and the distance to the Southern Pacific Railroad station, a very important factor, is only five-eighths of a mile and close to the five 35,000 Standard oil tanks.

The company also owns eighty acres of proven oil lands in Coalinga within two miles northwest of the famous Home Oil company in section 20, township 19, range 15 east and owns 160 acres in Napa valley adjoining the only oil well in Napa county, Cal., absolutely proven oil territory and oil up there is worth $8.00 per barrel as it is a lubricant.

When the first stock of shares of the Standard Rock Oil company was placed on the market at 5 cents per share, a great many people would not buy them, because as one Swedish lady remarked, "I tawt it was all a hoombug!" It is now advanced to 20 cents per share. That these shares were placed on the market by a reliable and strictly legitimate oil company, which is beyond reproach and who would not stoop to mispresenting the true state of affairs and such company should certainly be patronized by the investing public in preference to others. The assets of this company are sufficient to warrant any bona fide investments and, as the derrick in McKittrick is erected, as soon as sufficient money is subscribed the first well which is contracted for, will be drilled and it is not a question of striking oil on this ground, but of how many 100 barrels per day will they succeed in finding. It is safe to say that good returns will follow an investment in the Standard Rock Oil company, whose offices are at 475-76 Parrott building, 855 Market street, San Francisco, Cal., where stock can be had at 20 cents per share.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, July 24:

CARIBOU.		
200 at	87	174 00
CALIFORNIA STANDARD.		
200 at	25	50 00
FOUR OIL.		
200 at	37	74 00
HANFORD.		
5 (S90)at	95 00	475 00
HOME OIL.		
200 at	2 00	400 00
300(S90)at	2 00	600 00
50 at	2 05	102 50
50 at	2 10	105 00
JUNCTION.		
150 at	09	13 50
4250 at	10	425 00
KERN.		
10 at	5 25	52 50
MONARCH OF ARIZONA.		
100 (S30) at	19	19 00
300 at	21	63 00
100(S90)at	19	57 00
500 at	22	110 00
OIL CITY PETROLEUM.		
700 at	24	168 00
1100 at	25	275 00
OCCIDENTAL OF W. VA.		
100 at	42	42 00
200 at	40	80 00
200 at	37	74 00
1300 at	35	455 00
750 at	35	262 50
PETROLEUM CENTER.		
150 at	01	1 50
2400 at	02	48 00
4100 at	03	123 00
PEERLESS.		
50(B 60) at	5 25	262 50
15 at	4 95	74 25
50(B60)at	5 12½	256 25
100 at	5 12½	512 50
50 at	5 25	262 50
350 at	5 25	1837 50
500(B90)at	5 25	2625 00
REED CRUDE.		
500 at	33	165 00
300 at	36	108 00
SOVEREIGN.		
450 at	30	135 00
STERLING.		
75(B10)at	1 25	93 75
700 at	1 25	875 00
SAN JOAQUIN.		
10 at	7 62½	762 50
1 at	7 00	7 00
165 at	7 00	1237 50
TWENTY-EIGHT		
100 at	1 25	125 00
WEST SHORE.		
100 at	2 50	250 00
Shares	20,831	Amount $13,838.25

Pacific Coast Underwriting Company.

Incorporate companies; furnish everything complete.
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Handle all kinds of mining properties.
Promote any legitimate enterprise.
Information furnished investors regarding Pacific Coast Corporations. Address,
Main Office, 507-8-9 Parrott Bldg.
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FOR SALE CHEAP.—A good Standard Drilling rig with two strings of tools. Wagons, galvanized wagon tanks, second-hand 9⅝ and 7⅝ casing. Lot of good lumber, dishes, stoves, etc. Everything in good order.
Box 77, McKittrick, Cal.

WANTED.—I desire to purchase 40 or 50 acres of land in oil section near Bakersfield close to railroad. Give price. Describe property.
FINANCIER, Box 595, San Jose, Cal.

SOUTH DAKOTA CHARTERS,
STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

WELL-BORING OUTFIT

FOR SALE CHEAP.

SUITABLE FOR WATER OR OIL.
Apply 308 Sacramento street.
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WANTED.

A good second-hand Standard Rig. Address:
FLASHLIGHT OIL CO.,
23 Columbian Bldg., S. F.

LED F. WINCHELL

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Lands for sale and to lease. Also will deed in consideration of developmen work.

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A limited amount of Treasury Stock for sale for a few days at 25c. per share.

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Petroleum Without Wicks.

Gawalowski has spoken of the small use of naphtha for lighting purposes, and ascribes it to the tendency to form tar and coke at high temperatures. The same remark, says a German technical paper, applies with equal force to petroleum when used without a wick. There is no doubt that great progress has been made with petroleum lamps as producers of light. Whereas, not long ago, 10 to 12 candle-power was considered the ideal of petroleum lighting, 40 to 50 candle-power is not now uncommon, but the ideal has not been reached, as all the lamps in time get their pipes choked with tar and coke, and the whole apparatus becomes useless. The conclusion is, that the fault is not with the lamp, but that further improvement must take the shape of improving the fuel, and freeing the oil from those readily decomposable constituents which are responsible for the separation of free carbon. Researches have already shown the difficulty of the operation, and, also, that it cannot be done by chemical means.

The stability of a petroleum oil can be conveniently tested by heating the vapor of the oil by means of a parallelopipedal sandbath, two of the diagonals of which are traversed by the beaks of two retorts, in which petroleum is heated outside the bath. The two beaks are connected, after leaving the sandbath, with the same condenser. The sandbath is heated to a known temperature, and is kept quite full of sand. Five c. c. of the petroleum to be tested having been placed in each retort, the sandbath is heated to 275° C. and the petroleum is distilled. The process lasts about fifteen minutes, and leaves about ½ c. c. in each retort. When the apparatus is taken to pieces the following appearances in the retort beaks show the stability of the petroleum. In the case of petroleum of the highest degree of stability the beaks are clean. The next grade shows dull marks, the next a number of small black points, the next brown streaks, and the most decomposable oil shows a solid black deposit. The beaks are cleaned for further use with ether. With this apparatus a whole series of petroleums from Baku and Grosny was tested by the author, with the following conclusions:

1. The vapor of all naphtha products begins to decompose at or below 250° C., and raw petroleum decomposes most.

2. Supposed refined petroleum, which stands the usual tests, will often not stand this one.

3. The decomposition depends on the nature of the original oil as well as on the method of purification. The fewer fractions with high boiling points are present, the less the decomposition.

4. Petroleum which will not stand this test cannot be made to do so by any purification method yet known, although it may be made to stand the test better than at first.

The most important conclusion to be drawn from the test is, that lamps without wicks require a better quality of oil than those with, and that for wickless lamps of many candle power a sort of oil is wanted for which ordinary tests are useless. These must therefore be altered.

How then is such high class petroleum to be made? The answer is that the oil must be freed from all fractions boiling above 210° C., or oil must be used resulting from the dry distillation of heavy oils, so that all the separation of tar and coke is already over when the oil goes to the lamp. This can in all cases be insured at the refinery by passing the vapor from the stills through pipes heated to 275 to 300° C. before condensation.

If something of the kind is not done petroleum cannot compete with electricity as a source of light, in spite of its three great advantages: the low price of the petroleum the portability of the lamps, and the absence of all necessity for central power stations and wiring.

Lay Your Corner Stone.

A new period in the history of the world is dawning upon us. The pre-historic ages of iron, brass and of gold have given place to the age of oil, and it is somewhat significant that this new age is contemporaneous with the highest progressive development of man. Nature has reserved her greatest surprise for the first of the new century, and the year nineteen hundred and one will thunder down the corridors of time as the first incomparable age of oil.

An industry that offers the same advantages to all classes of men to obtain wealth, and there are many today who were recently of limited means and who laid the cornerstone of their fortune through a judicious investment in the stock of a meritorious oil company. A number of Eastern capitalists have been negotiating for some time past for the purchase of a large block of stock in the Standard Consolidated Oil & Land company, realizing that this company offers an exceptional opportunity to investors.

The company is negotiating with Eastern parties and is about to close a deal for the formation of several sub-companies to operate on lands belonging to the Standard Consolidated. The person of limited means will do well to make an investment in the stock of this company while the present affords an opportunity.

SECOND-HAND half-inch steel sand-pump line 1400 feet long for sale cheap. Addreas NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland, or F. CHAPELLET, 214 Pine Street, San Francisco.

Buy Pacific Petroleum

This is good advice because **Pacific Petroleum Company, Limited,** is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the sole purpose of the

PAYMENT OF DIVIDENDS.

The lands of this company are located in the Devil's Den Oil District of Kern County, where a much higher grade of Petroleum has been developed than is found in the famous Kern River fields, and is pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, we are actually at work. We have no promoter's stock and are selling only treasury stock, every dollar of which goes into the development fund, which is held intact to pay for drilling operations only.

25,000 more shares at 5c per share. Stock may be withdrawn from public sale on July 1st. This is an opportunity for you to share in the profits of a well-located and entirely legitimate business enterprise. Buy now. This is a sure, safe investment. Send all applications to

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PAUL R. LEWIS, Secretary,

Room 210 Hearst (Examiner) Building, San Francisco.

16,400 ACRES OF PROMISING OIL LANDS

In San Bernardino County, California.

are offered at a bargain. These lands have been most carefully selected by the best Oil Experts, and samples of the oil received therefrom indicate the highest quality. Besides oil, important mineral deposits have been disclosed, offering exceptional opportunity to a syndicate to push development on a most profitable basis.

On this land are oil seepages and outcroppings of the finest looking oil sands and shales, also deposits of nitre, borax, and in another part gold and copper ledges of unknown extent, all of which gives these locations a high prospective value.

Mr. M. L. Cook, County Surveyor of San Bernardino County writes regarding these lands:

"DEAR SIR:—Your communication of the 5th at hand. You ask me what my opinion is of the territory you have located for oil lands in the section of the country I have recently surveyed for you. I will state that I have gone over the entire territory and during the past two months have surveyed and examined the country along the entire length of this particular oil belt in which your locations are situated. I can state that your territory is as good as any located thereon, and I consider it superior to the country near what is known as the Black Ranch or the Hiawatha fields. I will further state that I was in the country early, and had my choice of ground, and I selected the same locality in which you have located, and I can also state that the company in which I am interested intend to put down a well on the ground immediately adjoining the lands which you have located. The lands which I surveyed for you contain 16,400 acres."

FOR FURTHER PARTICULARS ADDRESS:

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Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell

WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.

FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

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OIL DIRECTORY

Leading Companies Now Operating in California.

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Capital.....$500,000
200,000 shares at $2.50.
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Office: 807 Claus Spreckels building, San Francisco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000 Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street, San Francisco, Cal.

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Capital.....$150,000
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Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
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130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital.....$200,000
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GRAND PACIFIC OIL CO.
Capital.....$1,500,000
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL LAND AND DEV. CO.
Capital.....$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital.....$200,000.
200,000 shares at $1
Location: NW¼ Sec. 15, Twp 23 S, R 18 E., Kings county, 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president, John Perrin vice-president, Frank C Palens secretary and treasurer, Frank P Kelly, attorney, Chas W Nelson D Horland, Wm J O'Connor. Depository, Union Trust Co
San Francisco office—Room 408 Examiner Bldg
Member of the California Petroleum Miners' Association

LION OIL COMPANY Incorporated under the laws of Arizona Capital $500,000 Number of shares 500,000 Land, 800 acres in Sunset, Kern and Templor districts Directors—Dr. A S Cook, M F Cochrane, D S Stanley, F F Weed, T M Gardiner, I J Truman, Jr., P F Betts Officers—Dr A S Cook, president, M F Cochrane first vice president, D S Stanley second vice president F F Weed, secretary, T M Gardiner, treasurer Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000. All stock non-assessable. Incorporated, Sept 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M. A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO. OF WEST VIRGINIA
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary, D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st, San Jose, Cal
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block, Bakersfield. Cal.

THE RAVEN OIL COMPANY,
Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River, district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, Jonn R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.
Capital.....$500,000
500,000 shares at $1.00
Incorporated under the laws of California
Location—240 acres, Midway district, Kern county, leased from Bay City, being 60 acres in N ½ of NW ¼ section 22, 32-23 and 80 acres S ½ of NW ¼ section 4, 32-23 Officers—Geo W Turner President, George R Hanshrow Vice-president, E N Sewell, Secretary and Treasurer; H W Merritt, I H Dorn, W. W Hutchinson-Maurice V Samuels, Attorney W. R Stammers, Manager, Union Trust Company, Depository.
Office—311 Safe Deposit Building, San Francisco, Cal

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L M Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

WESTERN OIL ASSOCIATION.
Capital.....$1,000,000
1,000,000 shares, par value $1 each
Organized under the laws of South Dakota.
This is our property—2140 acres, Kern county; 131 acres, San Diego county; 320 acres, Glenn county; 800 acres, Tehama county, 4860 acres, San Benito county, 140 acres, Monterey county; 800 acres, Fresno county; 400 acres, Humboldt county—9594 acres
Officers and Directors—I F Harris, president Irwin D Martin, vice-president; R K Roberts, secretary; Union Trust company, treasurer; W E Robinson, Springfield Ill., Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland.
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 228 A street; Portland, Ore, McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office—552 Parrott building, San Francisco, Cal

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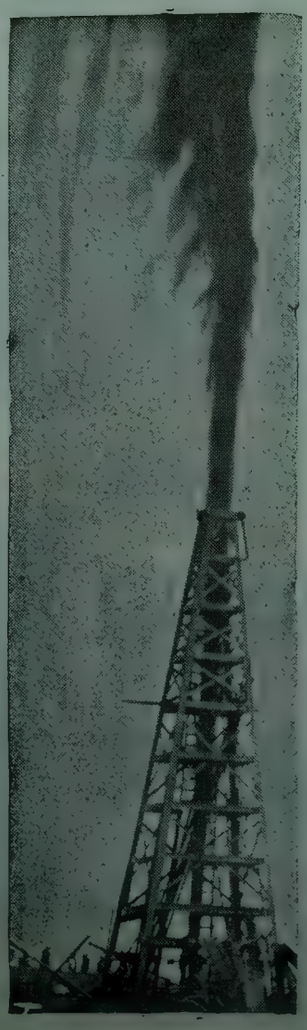

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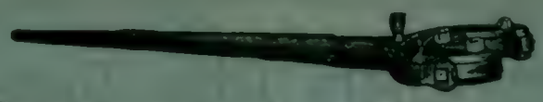

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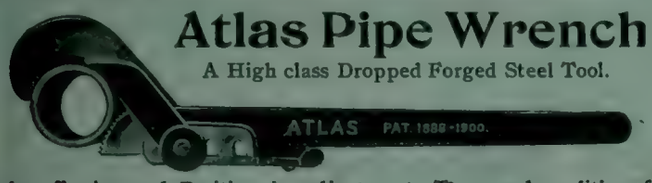

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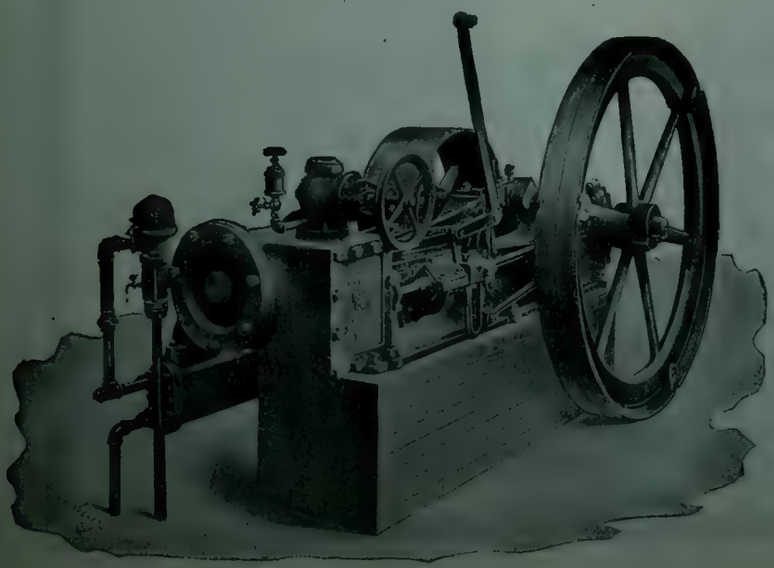

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VOLUME 2 NUMBER 39

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, AUGUST 2, 1901.

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This company owns in fee, title United States Patent, forty acres in the proven lands of the Kern River district, and surrounded by developments.

The company now offers 25,000 shares of its stock at the price of $1 per share, the proceeds to be used for development purposes.

The Directors are Samuel J. Brun, Stanford University; W. T. Reid, Belmont; H. A. Hedger, San Francisco; J. P. Lartigau, San Francisco, and John R. Aitken, San Francisco.

Full information, prospectuses, maps, etc., can be had on application to any of the Directors, or to the Secretary, J. C. CULLEN.

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All our neighbors have large producers!

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PACIFIC OIL REPORTER

Vol. 2. No. 39. SAN FRANCISCO, CAL., FRIDAY, AUGUST 2, 1901. Price, Ten Cents

TESTING CRUDE OILS.

An Oil and Gas Engineer's Valuable Practical Suggestions.

The following paper was read by Mr. L. P. Lowe, Manager of the California Light and Fuel company of San Francisco, before the Pacific Coast Gas Association at its recent meeting in this city.

One of the all important questions touching the successful management of any industrial or manufacturing concern, is a clear and comprehensive knowledge of the quality of materials used in connection with the daily operation of the work.

To the gas manager this means a precise knowledge of the materials used in connection with gas making; to the steam user a knowledge of his fuels, etc., and while there is but little doubt that one usually gets the quality of materials ordered when dealing with established, reliable concerns, there is yet a great degree of satisfaction in knowing from personal observation, that there is actually received that which is paid for.

To the gas men of the Pacific Coast, be they advocates of coal, water, or oil gas, no subject is of more importance than that of a suitable oil supply, that article entering largely in all kinds of gas manufacture, not excepting coal gas, for which it is used as an enricher and for firing benches and boilers.

In Eastern localities it is not necessary to pay such strict heed to the quality of gas making oils, as there are but few kinds in use, practically but two, one of which is the natural crude oil, of comparatively light gravity and good quality, and the other a distillate commonly known as "gas oil," both being well suited for gas manufacture.

The present oil supply of the Pacific Coast is, however, a very complex proposition, it being almost an impossibility to imagine a substance of that kind which can be more refractory and difficult of manipulation than some of the numerous grades of California crude oils. But these oils are exceedingly valuable, the development and recovery of which is now one of the leading industries of the west and a boon to fuel users in general, as they largely regulate the cost of coals, which would otherwise be much higher in price than they are now.

Of the crude oils of California but a very small proportion are of light quality, by far the greater amount being exceedingly heavy because of their large percentage of contained asphaltum, and such oils are also apt to contain considerable amounts of water and dirt, often running as high as several per cent, without being noticed in casual observation, as the water, in such heavy oils as 12 to 16 degrees Baume, does not as easily sink to the bottom as would be supposed, but remains in suspension in minute drops throughout the body of the oil, probably enclosed in microscopic capsules of asphaltum, thus easily escaping detection, as is also frequently the case with very much lighter oils.

It is the custom of some large dealers to store their crude oils in what are called settling tanks, where it remains sufficiently long to allow much of the suspended dirt and water to fall to the bottom, such stored oils being guaranteed to contain not more than one per cent of foreign matter, and while this is no proof that such a degree of purity is attained, it enables the purchaser to make a deduction for any amount of dirt or water found in excess of the one per cent guaranteed.

There are but few dealers who use such settling tanks, and those who do generally ask a somewhat higher price for their oil. Those who do not are, however, just as willing to guarantee their products and allow deductions for any excess of foreign substances.

From the foregoing there will be seen the importance of systematic oil inspection and testing and, therefore, the value of practical, ready means of determining the physical purity of all such materials.

While the chemical composition and relative proportions of oil are of interest to us all, and especially so as to the inventor and close investigator, for general practical purposes a knowledge of the gravity of oil, and its physical impurities, is all that is necessary for ordinary use, both of which are important and should be generally understood. It may, however, be well to state that generally speaking, the ultimate composition of crude oils is usually assumed as being about 85 per cent carbon and 15 per cent hydrogen by weight or, what is probably a more nearly correct analysis of such an oil free from foreign substances, 84 per cent carbon, 11 per cent hydrogen and 2 per cent oxygen, and in theoretical calculations of the evaporative efficiency of crude oils one or the other of the above sets of figures is used in the absence of knowledge of the exact composition of the oil under examination.

Personally, the writer has not as yet been able to secure an ultimate analysis of any of our California oils which he deems reliable, and is not, therefore, aware of their exact composition, but he thinks while the figures given will apply in a general way, he would rather expect the heaviest of those oils to contain a somewhat greater percentage of carbon and proportionately less of the other constitutents.

An ultimate analysis of an oil should not be confounded with a mere distillation test, as they are totally different and bear little or no relation to one another, the distillation test being of especial value to the oil refiner but to a less degree to the fuel user. The gas maker, however, derives much practical information from a distillation test as it informs him as to the ease with which any particular oil can be volatilized and converted into gas, and also gives him an idea of the amount of residuum which can be expected in the way of what we term "oil tears" in gas manufacture.

California oils are, as a rule, of that kind known as having an asphaltum base. That is to say, upon driving off the lighter oils by distillation, the residue, or base, remaining is of an asphaltic nature, and it is principally the varying proportions of this material which makes the difference in the gravity of our local oils, some being quite light, while others are extremely heavy, the lighter grades being of course the best for gas enriching purposes though the heaviest are also successfully used in the manufacture of an excellent quality of illuminating gas.

Throughout the foregoing the writer has used the popular term "gravity" in referring to oil, though, strictly speaking, the term is a misnomer, the use of which should be discontinued, as the uninformed are apt to confound, or associate it with "specific gravity" which has a totally different meaning.

It would unquestionably be more sensible to designate oils by their actual specific gravities, that is to say, by their weight as compared with an equal volume of water under standard conditions, but for some reason the accepted gravity test for oil is an arbitrary one known as the Baume scale which begins its registration, for liquids lighter than water, with 10 degrees that being the reading for water on the Baume scale.

For testing the grade of oils by the Baume method an instrument known as a hydrometer is used. It is made of glass and somewhat resembles a thermometer though graduated, of course, in degrees Baume. In using this instrument it is only necessary to carefully place it in the oil to be tested, allowing it to come quietly at rest, when the reading of the hydrometer at the surface of the liquid at once indicates the degrees Baume, or, as it is popularly called, the "gravity" of the oil, provided that during the operation it has been at the standard temperature of 60 degrees Fahrenheit.

Should the temperature have been more or less than 60 degrees which can be ascertained by testing with a separate thermometer if desired, a correction becomes necessary to determine the grade of the oil, corresponding to one degree Baume for each ten degrees difference in temperature, deducting for a too high, and adding for a too low thermometer reading. For instance, if the hydrometer showed a reading of 20 degrees, and the thermometer showed the temperature to be 70, the true grade of the oil would be but 19, while if the temperature were but

A Submarine Oil Field—Summerland, Santa Barbara County, the Most Remarkable Oil Field in the World.

50, the grade would be 21. A very convenient form of hydrometer is one having a thermometer and temperature correction scale attached. It adds somewhat to its bulk, but nevertheless is to be preferred to two separate instruments. It is well, in purchasing a hydrometer, to secure a standardised, or guaranteed instrument, which, though costing somewhat more than the ordinary kind, can be relied upon as being correct.

The testing of light oils, such as Coalinga, and the like, is a very simple operation, as the hydrometer quickly finds its resting place, and reading can be made after allowing a few moments for the thermometer to acquire the temperature of the fluid under examination, but in testing very heavy oils it is necessary to allow a considerable time to elapse before the instrument will fully settle to its proper place.

Probably a better method of testing these heavy oils is to first suspend the hydrometer in a testing jar or cylinder, using a thin thread for that purpose, and then slowly and carefully filling the jar until the hydrometer floats, after which the thread can be nipped off close with a pair of scissors and the reading be then made. It is a question, however, if the gravity of a heavy oil is ever accurately determined by the use of a hydrometer, owing to the great viscosity of the oil, some of which are so particularly thick and difficult to handle, that other methods of determining their gravity must be employed, of which the three following are easily handled and may be found useful.

1st. Heating the oil to cause sufficient fluidity for a test and making subsequent corrections for temperature, though this method is practical to but a limited extent.

2nd. Mixing thoroughly a given quantity of the heavy oil with a like amount of a lighter oil of a known specific gravity such as gasolines, and then testing the specific gravity of the mixture, from which data can then be calculated the specific gravity, and ultimately the degrees Baume of the heavy oil used.

This method requires the use of a hydrometer graduated for specific gravities, or if only a Baume hydrometer is at hand, a set of conversion tables for use in connection therewith, and to which references will be made later.

3rd. Suspending a drop of the heavy oil in an experimental mixture of alcohol and water, and afterwards testing the grade of the mixture, which necessarily corresponds with that of the oil.

In performing this latter test a single drop of the oil is placed in a tube containing alcohol, in which it will be found to sink and rest upon the bottom in a globular form. Water is then slowly added and well mixed with the alcohol by gentle stirring, until, by carefully moving the drop of oil preferably with a small glass rod, it will remain suspended in any portion of the mixture, thus showing it to be of like weight. The mixture of the alcohol and water is then tested to determine its gravity, which, of course, corresponds with that of the oil

This method has the advantage of being able to be worked with as small a quantity of oil as a single drop. Care must be used, however, to see that no air bubbles form and cling to the oil, as they will very materially tend to float it, and thus give rise to errors in the ultimate reading.

While the alcohol method described above is, undoubtedly, the best for determining, with reasonable accuracy, the grade of oil under examination, some observers find its use more or less unsatisfactory because of a lack of knowledge concerning the difficulty with which alcohol and water are thoroughly mixed, and probably the best way to perform this test is to first roughly determine the gravity of the oil by a hydrometer, if a sufficient quantity is at hand, or, if not, to roughly judge of its gravity in a general way by its appearance, which any one familiar with oil can easily do. Then prepare a mixture of alcohol and water of the assumed gravity, which can best be done in a large test tube, which can be closed with a cork or even with the thumb, and the mixture be made complete by a violent shaking. The mixture is then tested, and a little of same poured into a small test tube and a drop of the oil allowed to fall therein, when it will be at once seen whether it is lighter or heavier than the mixture, as the drop will either float or sink as the case may be, after which the sample can be discarded and a small portion of the original mixture be taken in the small tube and made either heavier or lighter by the addition of alohol or water, as necessity demands, and, after thorough mixing, another drop of the oil is tested, and so on, until the proper mixture is determined, which is usually accomplished within a half dozen trials, and these are performed in almost less time than it takes to describe the method.

While the scientific determination of the specific gravity of an oil, as with any other substance, would be determined by accurately weighing it on a sensitive specific gravity balance, that method is not applicable for ordinary use, and the foregoing covers the practical methods used.

The following description of a test for determining physical impurities such as water and dirt, is a simple and efficacious method, and is known as the gasoline test. It is performed as follows:

Procure a glass cylinder having a capacity of 100 cubic centimeters, (C. C.) graduated in either single or one half C. C. divisions, the cylinder being closed at the top with a cork, or preferably a ground glass stopper. Into this cylinder place exactly 50 C. C. of gasoline such as is used in ordinary gas machines, and which is readily procurable at any drug store. Then into the same cylinder carefully pour the oil under examination until it and the gasoline reach to exactly the 100 C. C. mark, thus giving a mixture composed of equal volumes of the two substances. Then insert the stopper and shake well to insure thorough mixing of the crude oil and gasoline, thus making a comparatively light weight emulsion, after which place it away and allow it to quietly settle for say twenty-four hours, when upon examination it will be found that the water and dirt, if there were any in the sample of oil used, will have separated from the emulsion and settled to the bottom of the testing cylinder, where it can be at once read of in direct percentage by volume. For instance, if ½ C. C. were the graduations of the cylinder, each division would be 1 per cent of the amount of oil used for the test, while if the graduations were but 1 C. C. then each division would be 2 per cent.

The exact amount of oil can, of course, be first placed in the testing cylinder if desired, and the gasoline added, in which case it is not necessary to carefully adjust the quantity of gasoline, the important point being to have the amount of oil exact, but it is preferable to add the oil slowly to the gasoline with frequent shaking as it is then more quickly and completely mixed.

The action of the gasoline is purely physical although it performs two important functions, in that it not only makes a light weight emulsion through which suspended sand and other foreign substances can easily fall, but it also dissolves what seems to be capsules, probably of asphaltum, and which contain minute quantities of water. The distension of these capsules, under the action of the gasoline, is enormous, the writer having frequently observed them as large as small sized peas. They sometimes collect at the bottom of the emulsion, and can be broken by violently shaking the mixture, after which it is allowed to re-settle when the reading can be made.

The cylinder most likely to be found in stock at ordinary dealers, is the having a capacity of 100 C. C. with 1 C. C. graduations. These divisions are, however, sufficiently far apart to enable readings to be made to as close as ½ per cent of any existing impurity.

It seems unnecessary to state that a cylinder with almost any scale of graduations, and of any capacity, can be used for this purpose, by making proper calculations conforming therewith, but the one described above will be found to be the most convenient.

Tests for gravity and purity are the ones likely to be most used and which will be found of value in constant practice, but it must be understood that they are in no wise an indication of the composition of an oil, being merely a guide as to its comparative gravity and physical purity.

For a knowledge of the composition of oil, fractional distillation and combustion must be resorted to, a description of which process is beyond the scope of this article, but in closing it may be of interest to refer to a deception sometimes practiced by unscrupulous oil dealers in the disposal of their products.

Commercially considered, the most valuable products of crude oil distillation are ordinary "kerosene" and lubricating oils, and as these are middle oils, there must first be driven off the light oils, amongst which are those having the trade names of "gasoline," "naphtha," etc., before the "kerosenes" and lubricants can be recovered, after which there remains a substance commercially known as "residuum," the value of which depends upon its composition.

It frequently happens that the light oils and residuum are not of much value separately, in which case they are often mixed into a compound closely resembling the original crude oil and are readily sold as that article as they can be made to have identically the same appearance and gravity by being mixed in the proper proportions, but such a mixture, while it makes an excellent fuel, is of indifferent

BEAUME SCALE AND SPECIFIC GRAVITY EQUIVALENTS.

Table of Beaume's hydrometers with corresponding specific gravity and also the number of pounds contained in one U. S. gallon at 60° F. For liquids lighter than water.

Beaume.	Specific Gravity	Pounds in Gallon	Beaume	Specific Gravity	Pounds in Gallon	Beaume	Specific Gravity	Pounds in Gallon	Beaume	Specific Gravity	Pounds in Gallon
10	1.0000	8.33	31	0.8695	7.24	52	0.6692	6.41	72	0.6930	6.78
11	0.9929	8.27	32	0.8641	7.20	53	0.7650	6.37	73	0.6896	5.75
12	0.9859	8.21	33	0.8588	7.15	54	0.7608	6 34	74	0.6863	7.72
13	0.9790	8.16	34	0.8536	7.11	55	0.7567	6.30	75	0.6829	5.69
14	0.9722	8.10	35	0.8484	7.07	56	0.7526	6.27	76	0.6796	5.66
15	0.9655	8.04	36	0.8433	7.03	57	0.7486	6.24	77	0.6763	5.63
16	0.9589	7.99	37	0.8383	6 98	58	0 7446	6.20	78	0.6730	5.60
17	0.9523	7.93	38	0.8333	6 94	59	0.7407	6.17	79	0.6698	5.58
18	0.9459	7.88	39	0.8284	6.90	60	0.7368	6.14	80	0.6666	5.55
19	0 9395	7.83	40	0.8235	6.86	61	0.7329	6 11	81	0.6635	5.52
20	0.9333	7.78	41	0.8187	6.82	62	0.7290	6.07	82	0.6604	5.50
21	0.9271	7.72	42	0.8139	6.78	63	0.7253	6.04	83	0.6573	5.48
22	0.9210	7.67	43	0.8092	6.74	64	0.7216	6.01	84	0.6542	5.45
23	0.9150	7.62	44	0.8045	6.70	65	0.7179	5 98	85	0.6511	5.42
24	0.9090	7.57	45	0.8000	6.66	66	0.7142	5.95	86	0.6481	5.40
25	0 9032	7.53	46	0.7954	6.63	67	0 7106	5 92	87	0.6451	5.38
26	0.8974	7 48	47	0.7909	6.59	68	0.7070	5.89	88	0.6422	5.36
27	0.8917	7.43	48	0.7865	6.55	69	0.7035	5.86	89	0.6392	5.33
28	0.8860	7.38	49	0.7821	6.52	70	0.7000	5.83	90	0.6363	5.30
29	0.8805	7.34	50	0.7777	6.48	71	0.6965	5.80	95	0.6222	5.18
30	0.8750	7.29	51	0.7734	6.44	..	.....	....	..	.....	....

TABLE OF TEMPERATURE CORRECTIONS

Temperature correction table for oils. Divide apparent quantity of oil by number opposite temperature.

Fah.		Fah.		Fah.	
45	.99040	81	1.01344	116	1.03584
46	.99104	82	1 01408	117	1.03648
47	.99168	83	1.01472	118	1 03712
48	.99232	84	1.01536	119	1.03776
49	.99296	85	1.01600	120	1.03840
50	.99360	86	1.01664	121	1.03904
51	.99424	87	1.01728	122	1.03968
52	.99488	88	1.01792	123	1.04032
53	.99552	89	1.01856	124	1.04096
54	.99616	90	1.01920	125	1.04160
55	.99680	91	1.01984	126	1.04224
56	.99744	92	1.02048	127	1.04288
57	99808	93	1.02112	128	1.04352
58	.99872	94	1.02176	129	1.04416
59	.99936	95	1.02240	130	1.04480
60	1.00000	96	1.02304	131	1.04544
61	1 00065	97	1.02368	132	1.04608
62	1.00128	98	1.02432	133	1.04672
63	1 00192	99	1.02496	134	1 04736
64	1.00256	100	1.02560	135	1.04800
65	1.00320	101	1.02624	136	1.04864
66	1.00384	102	1 02688	137	1.04928
67	1.00448	103	1.02752	138	1.08992
68	1.00512	104	1.02816	139	1.05056
69	1 00576	105	1.02880	140	1.051120
70	1.00640	106	1.02944	141	1.05184
71	1.00704	107	1.03008	142	1.05248
72	1.00768	108	1.03072	143	1.05312
73	1.00832	109	1 03136	144	1.05376
74	1.00896	110	1.03200	145	1.05440
75	1.00960	111	1 03264	146	1 05504
76	1.01024	112	1.03328	147	1 05568
77	1.01088	113	1.03392	148	1 05632
78	1.01152	114	1.03456	149	1.05696
79	1.01216	115	1.03520	150	1.05760
80	1.01280				

value to the gas maker, the most useful of its constituents for his purpose having been removed with the extraction of the "kerosene" and lubricants.

This deception is well worth bearing in mind, as it may some day, account for a sudden and unexplainable difference in gas making results.

In the examination and use of oils, it is frequently essential to have a more extended knowledge of same than is given by the hydrometer alone; for instance, a knowledge of the actual specific gravity as scientifically understood may be desired, and it will also frequently be found convenient to know the weight per gallon of an oil of either a given specific gravity or degree Baume, and accompanying this paper is a table giving this information.

It is also quite necessary, in the accurate measurement of oil, to make corrections for any temperature greater or less than the standard one of 60 degrees Fahr., as the expansion or contraction of the volume of oil, for temperatures higher or lower than the standard, is considerable. A percentage table for the temperature correction also accompanies this paper and its use in accurate work is advised, as it is necessary to heat the heavy California crude oils to quite a high degree, say from 120 to 150 degrees Fahr., before it can be easily handled by pumping in the usual manner, and at a temperature of 150 degrees the oil is expanded almost 6 per cent by volume.

L. P. Lowe.

KERN COUNTY ASSESSMENTS.

Oil Companies Which Have to Raise Money.

Sunset Center Oil and Development—No. 1, 1 cent, delinquent July 30th.

Gould Central—No. 1, 1-2 cent, delinquent August 12th.

Del Monte—No. 1, 10 cents, delinquent July 31st.

Grand Prize—No. 3, 1-2 cent, delinquent August 10th.

Vernon—No. 1, 10 cents, delinquent August 10th.

Gould—No. 1, 2 1-2 cents, delinquent August 12th.

Empire Oil and Development—No. 2, 2 cents, delinquent August 12th.

Shasta—No. 1, 4 cents, delinquent August 2nd.

San Francisco Grocers—No. 1, 1 cent, delinquent August 19th.

Big Chief—No. 1, 5 cents, delinquent August 10th.

Junction—No. 1, 10 cents, delinquent August 13th.

Karl Brown—No. 3, 2 cents, delinquent August 17th.

Century—No. 4, 5 cents, delinquent August 24th.

Sunset District—No. 3, 1-2 cent, delinquent August 16th.

Kern Sunset—No. 1, 2 cents, delinquent August 5th.

Bear Flag—No. 1, 2 cents, delinquent August 12th.

Hanford-Sanger—No. 1, 3 cents, delinquent August 15th.

Kings County—No. 3, 2 cents, delinquent August 28th.

Cassa—No. 1, 2 cents, delinquent August 10th.

DATE OF DELINQUENT SALES.

Peoples—August 6th.

Petroleum Basin—August 3rd.

S. P.—August 1st.

Little Standard—July 31st.

Kern King—July 29th.

Wellington—August 5th.

Mohawk—July 27th.

Western Petroleum—July 29th.

A $100,000,000 OIL COMBINE.

Plans of the New Organization of Kern Valley Producers.

What do you think of a commission of 5 per cent on $75,000,000? This is what W. S. Porter, the Los Angeles oil man, is credited with on the deal now in the course of consummation in the Kern River field. This deal up to the present time includes a combination of the twelve following companies:

San Joaquin
Petroleum Development
Imperial
Monte Cristo
Reed Crude
Canfield
Chicago Crude
San Joaquin
Kern Oil
Sterling
Bear Flag
Green & Whittier
Toltec

Of the above companies the following are listed on the Producers' Exchange:

	Acres	Capital
Monte Cristo	160	500,000
Reed Crude	1560	2,000,000
San Joaquin	490	100,000
Kern Oil	480	100,000
Sterling	160	100,000
Bear Flag	40	200,000
Toltec	80	450,000
	2970	3,600,000

In addition to these companies, support has been promised by Jewett & Blodgett, representing a large part of the producing territory in Sunset, also by Chanslor & Canfield, who have extensive holdings in Midway, comprising most of the lower Midway field, and by most of the companies operating at McKittrick, who are reported to have signed contracts of a similar nature. Contracts are reported to have been made also with the Coalinga producers which will prevent their coming into competition with the combine, and the Oil Producers' Association of Los Angeles will co-operate with the new organization. Probably the most important feature of the combination is the support given by the Union Oil Company, which has refused to countenance any of the plans for co-operative action hitherto proposed, and it is likely that the Union will have the marketing of the oil, unless satisfactory arrangements can be made with the Standard.

The Standard is not a factor in the new organization, although it is not the intention to antagonize this great corporation, and it is the expectation to allow the Standard to become an agent for marketing the oil of the combine if terms can be arranged to the satisfaction of both parties. It is the purpose of the combine to form an association with the ultimate view of buying outright the property of the members of the association. For this purpose a capitalization of from $25,000,000 to $75,000,000 will be required—some estimates place it as high as $100,000,000. I. W. Hellman of the Bank of California, has agreed to take bonds of the corporation to the amount of $5,000,000, and this money will be used for the purpose of equalizing the interests of the various companies in the combine. It is not the intention merely to market the oil, as previous plans have provided for, as these plans have been open to the objection that the producers could not trust each other, but it is expected that either the property or the controlling interest in the stock of the companies will be secured by the combine.

The plan of marketing the oil contemplates the construction of a pipe line to the bay, unless the railroad companies can be compelled to give reasonable figures. Those interested in the new corporation believe that when the organization is brought to a point where the railroad companies see that they mean business, and that the control of the necessary acreage has been secured, that the transportation companies will come to terms and not only give a low rate but will supply sufficient rolling stock to keep the supply moving, which they are afraid to do as long as there is a likelihood that a pipe line will be built which will take away their business and make their equipment useless, a contingency which would be removed by the establishment of one great producing corporation which would be able to guarantee a permanent condition of trade, and the necessity of a pipe-line would be removed.

EFFECT ON THE MARKET.

It is believed that the price of oil at the wells will be raised as soon as organization is perfected to 50 or 60 cents, making the cost in San Francisco about $1, after adding the freight and switching charges of 47 cents. Prices on Kern River oil have dropped as low as 17 cents, but as the new combination represents 65 per cent of the output of the field, and as a vigorous campaign is being made to bring in other and smaller companies, it is likely that the control of the price will pass into the hands of the new organization, and with it the control of seven-eighths of the oil land of this territory.

Already a stiffening of prices is reported from the field, and producers who are willing to sacrifice their oil are less frequently seen. It is more than likely that the coming meeting of members of the new association will develop new strength, and that the oil business will take on new life and development of new fields again become a profitable enterprise.

Joining Forces.

The companies commonly known as the Boston companies—the enterprises under the management of L. H. Bartlett—are performing more development work than at any time since these companies invaded the Sunset district. Among the companies included under this management are the Cunard, Tremont, Arcola, Extension, Dirigo and the parent company, the Arcola. All are located on section 2, 11-34, a particular choice portion of the district. Four strings of tools are now in commission and are busily engaged going down after the oil. Work on the Arcola No. 2 will be commenced at an early date, and one rig will continue development work on each of the other company's holdings. The object of this activity is to have wells enough completed by the time the railroad is finished to furnish the oil necessary for the new refinery down at Port Costa. This latter enterprise is backed by the same capital, and the intention is to continue developing the lands of these companies until an abundant supply has been secured. Mr. Bartlett says they want at least 1000 barrels a day, and hope to have the refining plant consuming that quantity at a date early in the fall.

Secures More Acreage.

Rabert B. Todd, general manager of the Calistoga Oil and Development Company, has just returned from the Vallecitos district in San Benito county, where he has been for some time in the interests of this company. He was so favorably impressed with the indications there that he secured 200 acres additional land for his company.

He reports that the well begun on section 18, 17-12 is now down over 200 feet, and is now in blue oil sand. A second shift will be put to work on this well August 1st, and the steam in the boiler will not be allowed to go down from that date until the well is completed.

The Calistoga Oil & Development Company's well at Calistoga is now down over 400 feet

In regard to the water well owned by the Henrietta company on section 19, 28-28, the president of the Mecca has written A. S. Butterworth thanking him for the good judgment shown by him in completing the water well before going for oil. The president further states that the water bills will be audited and paid in advance. The striking of water by the Henrietta has greatly facilitated drilling in the northwestern part of the local field, and according to the letter written by the Mecca representative, it is appreciated. The well is now producing 500 barrels a day and has apparently an unlimited supply.

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THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

FROM THE ENEMY'S CAMP.

J. W. Harrison, a local coal broker, says that the freight rates on coal from Great Britain, and Australia, still remain low, although there is a pronounced indication that bottom rates have been touched, and any change should be an advance, which may reach twenty to twenty-five per cent over current quotations; when these changes come, they are very rapid. The reports from the oil fields quote higher prices, and long contracts are being solicited by consumers at ruling figures, and are being refused. 1901 will be a memorable year for absurdly low figures for fuel oil. Consumers can well afford to pay twenty-five per cent more, and still largely profit by the change from coal to oil. When the Southern Pacific Company become more general consumers, which will be in the near future, we will soon ascertain that we are not over producing fuel oil, even if the capped wells were all marketing their output.

THE YEAR'S OIL CONSUMERS.

The list of fuel oil consumers as originally published in the PACIFIC OIL REPORTER of April 19 of this year, and since extensively reprinted by other publications, has been considerably increased in number since that date. The list below includes seventy-three firms and corporations which have adopted oil since the beginning of the present year:

Jan. 14, Spring Valley Water Works, at pumping stations.
Jan. 14, Merchants' Ice & Cold Storage Co., Montgomery and Lombard.
Jan. 14, Stauffer Chemical Co., Utah and Alameda, and Bay and Dupont.
Jan. 21, Hearst Oil Company, Potrero Block No. 271.
Jan. 21, Alcatraz Asphalt Paving Company, 411 Berry street.
Feb. 4, Pacific Oil and Lead Works, King, between Second and Third.
Feb. 4, Simons Font Brick Co., Eighteenth and Corbett Road.
Feb. 11, Oil Storage and Transportation Co., near Sixth and Channel.
Feb. 11, Cascade Laundry, 175 Tenth.
Feb. 11, New England Soap Co., near Santa Clara and Rhode Island.
Feb. 11, Lane Hospital, Webster, between Clay and Sacramento.
Feb. 18, F. Thomas' Parisian Dyeing and Cleaning Works, 27 Tenth.
Mar. 4, Miller & Lux, First avenue and Kentucky street.
Mar. 4, Olympic Club, Post street, between Mason and Taylor.
Mas. 4, Del Monte Milling Co., Stanford street, near Brannan.
Mar. 11, Union Iron Works, at works in Potrero.
Mar. 18, Geo. W. Pennington & Sons, 313 Folsom street.
Mar. 25, Market street Railway Co , at all engine houses.
Mar. 25, Martel Power Co., 149-155 Fremont street.
Mar. 25, Tubbs Cordage Co., at works in Potrero.
April 1, Crocker Estate Co. Building, Post and Market.
April 1, California and Nevada Ice Co.. 356 Tehama street.
April 1, Vermont Marble Co., 244 Brannan street.
April 8, Bay City Brick Co., 24th street and Corbett road.
April 8, Cal. Fruit Canners' Association, Vandewater street, near Taylor.
April 8, Cal. Fruit Canners' Association, 7th and Berry streets.
April 8, Consumers' Ice Company, 420 Eighth street.
April 15. Merchants' Ice and Cold Storage Co., 309-311 Davis street.
April 15, Golden Gate Distilling Co., Fillmore and Chestnut streets.
April 15, Z. U. Dodge, 2412 Geary street.
April 15, Fulton Engineering and Shipbuilding Works, Harbor View.
April 15, American Steel and Wire Co., Bay and Mason streets.
April 25, Joshua Hendy Machine Works, Kearny and Bay streets.
April 22, San Francisco Candle Co., Rhode Island and Alameda streets.
April 22, California Wine Association, Brannan street, near Third.
April 22, P. Noble, 17th and Texas streets.
April 29, Pacific Refining & Roofing Co., 16th and Mississippi streets.
April 29, La Grande Laundry Co., 228 12th street.
May 6, California Saw Works, 208-212 Mission street.
May 6, Pacific Packing House, 4th and Shipley streets.
May 6, The Oriel Glass Works, Sansome and Filbert streets.
May 13, King Keystone Oil Co., 415 Berry street.
May 13, Sutter Street R. R. Co., Polk and Sutter streets.
May 13, C. R. Splivalo & Co., 958 Bryant street.
May 13, Golden Gate Compressed Yeast Co., Minnesota, near 24th street.
May 20, California Canneries Company, 423-441 Brannan street.
May 20, Ruffino & Bianchi, 862-870 Bryant street.
May 27, The McPhee Company, 19th and Harrison streets.
May 27, Presidio & Ferries Railway Company, 111 Union street.
May 27, Southern Pacific Company, 16th Street Shops.
May 27, J. W. Downey Harvey. 410 Mission street.
May 27, The Eureka Laundry Co., 316-318 10th street.
May 27, King Keystone Oil Co., 415 Berry street.
June 3, John C. Kirkpatrick, Palace Hotel.
June 3, Olympic Salt Water Co., Larkin and Bush.
June 5, M. H. de Young, Chronicle Bldg.
June 3, French Benevolent Society (French Hospital), Point Lobos and Fifth avenues.
June 10, Producers Oil Storage Company.
June 10, Pioneer Varnish Works.
June 10, Lachman & Jacobi, Second and Bryant streets.
June 10, Abrahams, Heunisch Co., corner 15th and Harrison streets.
June 13, Guggenheim & Co., Filbert and Front streets.
June 7, P. McLellan, 652 5th street.
June 20, Deming Palmer Milling Co., 109-111 Commercial street.
June 11, Legallet, Hellwig Tanning Co., 6th and R. R. avenue.
June 27, Alcatraz Asphalt Co., 411 Berry street.
June 6, Geo. W. Caswell Co., 415 Sacramento street.
July 11, California School of Mechanical Arts, Potrero Block 96.
June 15, W. J. Martin, 217 Stevenson street.
June 26, Enterprise Brewing Company, 2015 Folsom street.
July 13, G. R. Lucy & Co., 123 California street.
July 13, San Francisco Savings Union, 532 California street.
July 15, City Street Improvement Co., Mills Bldg.

APPLICATIONS.

July 12, M. J. Keller Co., Cook building, Market, bet. Powell and Mason.
July 18, American Fuel and Power Co., 138 Beale street.
July 19, Fair Heirs, 212 Pacific street.
July 19, Executors Fair Estate, 215-217 Pine street.
July 20, St. Lukes Hospital, Duncan street and San Jose avenue.
July 27, California State Women's Hospital, California and Lyons.

The Post and the Strike.

The "Evening Post" has put itself on record as the enemy of every industry which employs labor. In an editorial last Monday it had the following:

The employers' Association has essayed a task impossible of accomplishment in the first instance and utterly destructive of social, industrial and governmental repose, if its object could be attained. The plan must have originated in the minds of men unfamiliar with the principles upon which time, experiment and progress have based the enduring foundations of modern society.

On Monday the Employers' Association, through its attorney, M. F. Michael, made a concise statement of its position. The statement represented the views of some of the most influential business men of San Francisco, such as Frank Symmes, President of the Merchants' Association; Percy T. Morgan, President of the California Wine Association; Isaac Upham of Payot, Upham & company; E. M. Herrick, President of the Pacific Pine Lumber company and Gray's Harbor Commercial company; Andrew Carrigan of the Dunham-Carrigan-Hayden company; Charles Hollbrook of Hollbrook, Merrill & Stetson; A. A. Watkins of W. W. Montague & company, President of the Board of Trade; A. H. Vail of Sanborn, Vail & company; Adolph Mack & company; S. Nickelsburg of Cohen, Nickelsburg & company; Frederick W. Dohrmann, Jr., of Nathan, Dohrmann & company; Jacob Stern, First Vice-President of Levi Strauss & company; F. W. Von Sicklen of Dodge, Sweeney & company; J. S. Dinkelspiel of J. S. Dinkelspiel & company; George D. Cooper of W. and J. Sloane & company.

It is of such as these that the "Post" says they are "unfamiliar with the principles upon which time, experiment and progress have based the enduring foundations of modern society."

What is it the Employers' Association desire? In what respect are they oppressing their workmen? Are they lowering wages? Are they lengthening the hours or labor? Are they imposing any burden whatsoever? No; they are not injuring their employees in any way, and the strike is declared simply and solely because:

"The recommendation and demand of the Employers' Association is that every employer be permitted undisturbed to employ his help without discrimination as to creed, race or membership in any external organization, and that every employee shall have the right to labor without interference in any situation he chooses to accept."

Justice is on the side of the employers. The "Post" knows this, and knows too that a large proportion of the strikers themselves condem the unions whose leaders have ordered them out.

The "Post" is the only daily paper that has seen fit to openly side with the labor leaders, and

condemn the Employers' Association. It is difficult to see what the "Post" expects to gain by taking the position it has.

But of one thing it can rest assured: It has brought upon itself the condemnation of every man, employer or employee, who has at heart his own welfare as an individual and that of the city and state at large.

The Post and Oil.

In trying to foment the strike situation and stir up further trouble between employers and employes the Post must have forgotten the great injury the strike has done the oil industry. Heretofore the paper has pretended to be the friend of the oil men and to be interested in the welfare of the oil companies, who are trying to develop their properties. In siding with the strikers the Post has taken a position where if it exerted any influence at all it might add still more to the burdens which the strike has placed on the oil business. The Post need not expect to longer have the support of the oil men, or in fact of any one who has the commercial and industrial welfare of the State at heart.

Southern Stocks.

The present condition of the Los Angeles stock market may be characterized as stagnant. Very little trading is being done on the board even at the low figures now prevailing. This inactivity may be attributed to two main causes: first, the indisposition of stockholders to part with their securities at the ridiculously low prices offered, and, in the second place, to the fact that many of the active brokers are away on their vacations; this also applies largely to the buying public. The summer months usually form a dull period in business generally and this is especially true of stock trading With all the apparent dullness of the market, however, it is a notable fact that some of the better known securities are readily taken up whenever offered below a certain point. On the whole the prices now ruling are far below the intrinsic worth of most of the stocks quoted and the fact that some securities are sacrificed at these figures is no criterion of of their real worth.

During the week ending Saturday the 27th, only a small volume of business was done. Westlake sold as low as 8 cents. Central has been offered as low as 92 cents with 90 cents bid. Another stock, the price of which has been weakened by ruling conditions, is Reed Crude which has recently brought out no better bid than 35 cents. Very little, if any, is offered, however, at less than 40 cents. Pacific Slope has made its appearance again, several thousand shares being knocked down at 3½ cents.

The apathy of the buyers at this period has had its effect upon the brokers who make little or no effort to create business. While the situation may appear discouraging to some who have purchased stock at higher prices there is nothing at all to be alarmed over and the only wonder is that shrewd stockholders are not quicker to take advantage of the opportunities which the present situation offers.

Work in Colusa.

The Independent, a local paper of Arbuckle, Colusa County, gives the following summary of the oil rigs now drilling or being erected in that neighborhood:

Colusa County Oil Company (Orr & Meracle), drilling on Harlan ranch, eight miles west of Williams. Reported to be down 800 feet, with gas in hole. Same company putting up plant on W. Williams place, twelve miles from Williams.

The Williams Oil Company, eight miles west of Williams, drilling on Brim ranch.

The Bear Valley Oil Company, in Spring Valley, drilling on H. P. Eakle's land, fourteen miles southwest of Williams.

The Minor Oil Company, derrick near Ingrim place, twenty miles west of Williams.

The Gibson Oil Company, rig on ground twenty-four miles west of Williams.

The Herron Oil Company, drilling, twenty-five miles west of Williams.

The Simpson Hanes, in Indian Valley, thirty miles northwest of Williams, standard rig.

Smith & Gorrill, drilling ten miles southwest of Arbuckle; about 600 feet. Well No. 2 in oil sand. Supposed to be 900 feet when completed.

The Chehalis Oil Company, twenty-eight miles northwest of Williams, rig completed, and drilling will commence August 1st.

Land Leases.

In the heart of the Kern River field owners of land are adhering rigidly to the terms offered a year ago for leases to land, but in some of the demonstrated oil fields of Kern county leases have recently been made at lower figures than were obtainable a few months since. The Californian says regarding leases:

"Letters from various parts of the Eastern states are received daily by local men asking what the prospects are to get in on the Kern county oil lands. A good many of the inquirers are apparently in hopes of getting holdings in the most valuable properties at a nominal figure, while others who have a better understanding of the conditions of the producing districts are willing to expend large sums of money in order to get a location in the heart of the fields.

"Only a very few leases have been made during the past two months, but those that have been agreed upon have been on practically the same conditions as that of previous months, showing that confidence still holds a place in in the minds of men who have an insight into the industry in the state.

High Price for Oil Land.

A deed was recorded recently transferring from G. Nat Reeves and wife, Susanna T. Reeves of Chicago, to the Lake City Oil company of Phœnix, Arizona, the NW ¼ of 28, 26-27, comprising 160 acres. The consideration was $350,000. The document was decorated with stamps in the sum of $173.75.

The Californian says that the transfer of the property at the price named has caused those who have learned of the transaction to wonder for more than one reason. In the first place it is known that G. Nat Reeves is the secretary of the Lake City Oil company which purchased the property from Mr. Reeves. It would seem that the price had been paid in stocks, but the fact that the necessary stamps were added to the deed, lead others to believe that the sum of $350,000 was actually paid for the property.

As is known among oil producers or those interested in the buying, selling or development of oil lands, the property in question is at least ten miles north of the oil belt.

You Will Have to Show Us

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We make monthly Advance Reports to the principal newspapers of the United States, General Reports monthly, reports to subscribers and Special Reports to patrons at any time about the oil companies of the West and South.

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Read over the following list of oil companies:

Central Point Consolidated Oil Co., Paxton Gold Bond Oil Co., Red Bank Oil Co., Santa Maria Oil Co., Seattle, Kings County Oil Co., Heywood Oil Co., Indiana Oil Co., Oil Land Co., Mercedes Oil Co., San Jacinto Oil Co., Union Oil Co,, Petroleum Oil Co., Eastern Star Oil Co., Maid of Orleans Oil Co., Bernalillo Oil Co., Famoso Oil Co.

PICK OUT

To the experts, as well as to the would-be oil Information Bureaus pick out and send to this office the names of the above companies to which the following remarks apply. You will have until the 17th of August to mail your answer.

1. Three of the above named companies are fraudulent and have dishonest directories.
2. Another company claims to have $35,000 in the treasury, two wells drilling, is in a wholly unproven district, have 6,400 acres of land T. 16 N., R. 16 W., a first-class directory, much hot air and blue sky. Where is it?
3. Two others pay 50 per cent royalty.
4. Another one ranks in solidity next to the Standard Oil Co.
5. Another has "Fiscal Agents" that have damaged the western oil interests incalculably.
6. Still another that has seven-eighths promoter's stock, ample capital and a greater daily oil production than the aggregate monthly output of the whole California oil field.
7. Another first-rate production, management and dividends.
8. Another that has made more monstrous misstatements in the briefest space than that of any other oil company's prospectus that was ever printed.
9. Another that has been "beared" on the exchanges for four months down to the death point. A Kern County company
10. Another twenty-acre company finely located in Kern County, who claim (over their signature) that they have two wells with a daily output of 4,800 barrels.
11. Another that will give real estate security to share buyers, protecting against any loss whatsoever.
12. Another that is selling stock, $1,200,000 capitalization, claiming to own 1040 acres in Kern County that has no legal existence and is practically unknown.

To the first one sending complete and accurate answers for his labor, information and brains we will give 500 shares of stock in a good oil company.

To the second 250 shares in a first rate oil company.

To the third, one year's subscription to Kerr's Investment Tables, worth about $50.

To the fourth, twelve Special Reports.

All answers confidential.

KERR'S REPORTS,
318 Kearny St., San Francisco.

Mechanical Conveyance of Petroleum.

Metal, wood and earthen pipes have long been in operation for conveying oils from the source of supply to the point where used or marketed. A recent investigation in the United States oil fields shows that there are at the present quite a number of new forms of pipes in service for this work. There are now glass, stone, brick and various other patterns of pipe lines doing good service in carrying oils. As to iron and steel pipes, their employment is so well known in the trade that it is hardly necessary to make lengthy reference, except in cases where used in the so-called combination plan. The combination oil pipe in which iron is used also calls for wood sheathing. Through the West, in places where long pipe lines are run over exposed sections, the iron piping must be protected from the heat of the sun in summer and from excessive cold in winter. This is done by wood sheathing at some of the oil plants, while in others the pipes are coated with wood sections that have been cut out in half-cylinder form and strapped to the pipes. Sometimes the pipes of iron are covered with cement compositions to a thickness of two or three inches, the cement being laid on with trowels. In a few years, however, the cement cracks and crumbles off. Patented compositions are, therefore, used, in which there is a mixture of hair in the material for aiding in holding the cement to the surface of the piping.

A great many new forms of wood pipes are in service for carrying oils, in which the interior is lined with a thin layer of zinc, copper, tin or lead. These pipes, made in square box form or round, are quite effective in use, and are cheap and light. Both wood and metal straps are now in operation. The latter are the best, as they are made with lipped ends, and the bolt and nut through these ends can be set or released at will when it is desired to remove the straps for examining or repairing the pipes. The sections of pipe can be about thirty feet long, and they are sent to the oil companies in this form, where they are put up on trestles and carried through valleys, or in some cases put underground. In the latter case the wood is charred in a fire, as the charcoal will protect the wood from decaying. Zinc lining is quite extensively used, and also some copper. Lead is also in service, but it is very thin. In some instances the plain wood troughs are used, the interior of which is coated with cement compositions or other preparations.

Open pipes or troughs may be observed in practical operation at the oil wells of a considerable number of Western concerns. The open trough is, of course, made for purposes of saving expense, as the closed descriptions require more material and more work. This arrangement is usually a temporary affair, being very easily clogged and more liable to being tapped by persons living in the vicinity than is the case with a closed pipe system.

In recent times, says a correspondent to the Oil Paint and Drug Reporter, there has been a great amount of experimenting with oil pipes in brick, stone and the like. Some of the old companies, which have made rich returns on their oil deposits, have put in brick systems for conveying oils. Where brick can be secured for about $3 per 1,000, and a good grade at that, the cost of building brick oil lines is not expensive. The brick is usually laid for a square run. The only cylindrical form I observed was where a rich company desired to convey a large volume of oil less than a mile, and then a round run was built. In some of the Southern California well districts they are building stone lines, and in Wyoming, where bluestone and sandstone of good grade is available, they are putting in systems of this material for carrying oils. Fire clay is also used and is claimed superior for purposes of making oil pipes. The clay seemed a mixture of oil stone stuff, the latter being soft and readily crushed. The clay was mixed with the pulverized oil stone and spread it in the sun for a few days, Then the material is puddled and formed into lengths of pipe with shoulders and flanges for joining, and finally baked in ovens.

At some of the larger plants there are usually two or three places in the system where the oils have to be elevated from a lower to a higher level. This is accomplished in three different ways. First, by means of pumps; second, by bailing devices; third, by elevators. The pumping system can be seen in service quite frequently. For this work, the single action pump is used, with two valves, receiving and discharging; also the double-action pump, with two and often three, discharging valves. The duplex pump is also employed, as well as the artesian pump, which is operated by a separate engine of the common vertical slide valve type in cylinder parts. Sometimes one sees home-made affairs erected in the form of suction pumps or pipes, and one recently observed by the writer is worthy of notice. It consists of an eight-inch pipe, twenty feet long, put upright in a wood frame, and arranged so that the lower end dips into a pool of oil from pipes running from the source of supply at the plant. The object is to get the oil from this level to another level, about twelve feet higher. Near the tops of the pipe is a section pump, and this is so set as to take the oil from the interior of the pipe and let it out into the atmosphere. The pipe being made a vacuum, the oil in the pool below is sucked up and let out from the upper portion of the pipe through a hole provided for the purpose. This device seemed to work readily and give satisfaction with little expenditure of power.

The writer noted that quite a variety of bailing devices were employed for lifting oils from a lower level to a higher one. Usually a combination derrick and trestle is built alongside of the place where the oil is to be elevated and a large iron or wood bucket is used for containing the oil. This bucket is allowed to remain under the flow of oil until filled, or it is dipped into the pool of oil and filled in that way. Then the bucket is brought up by means of a rope and windlass. The windlass, which is in bearings at the top of the derrick, is turned by hand, by animal power or by steam or water power, as the case may be. The filled bucket is thus run up to the top of the derrick, where an attendant is ready to dump the contents into the upper tanks or into pipe tunnels leading to a new pipe line. The work is rapidly done. In the course of the day, if large buckets are used, a very large quantity of oil is handled.

Builders of elevating and conveying machinery have lately given considerable attention to the designing and making of devices for the continuous lifting of oils from a lower level to a higher one. There are not, however, many of these improved patterns of elevating devices in use at the present time. The most ingenious contrivance noticed was that made by altering a coal-elevating machine over to an oil-elevating machine. There are not many changes needed, as the same metal buckets answer all purposes. Of course much of the oil is lost from the buckets enroute to the top, but this does not matter, because there are metal pieces arranged at the base of the machine to catch these oils and pass them back to the central tank, from whence they are lifted once more to the top. At the top, the same device used for taking the coal from the inverted buckets is employed, and the oil shoots through this raceway to the receiving tanks or pipe leaders at the new level.

Some of the oil companies are now putting in a system by which the oil is taken direct from the side of the bore-holes through pipes sunk ten or more feet below the surface and connected with the casing of the hole. In this way the work of bringing the oil higher than is necessary is avoided. The oil passes through an opening leading to a chest adjoining the case, and when this chest is filled the contents pass to the new pipe line and thence through to the destination.

Compressed Air at Summerland.

The compressed air experiment at the Duquesne oil plant has proved an unqualified success on the initial trial in the Summerland field. The experiment was tried on one of the first wells drilled by the company. While showing rich in oil, in perforating the casing had been cut and slashed so that it was impossible to keep the sand out. The well was finally given up as hopeless The compressor was attached to the tubing and in the first twenty-four hours it not only blew all the sand out of the well, but the tank registered 21 barrels of oil, almost a barrel an hour. The machine will be tested on several other hard propositions. It is the opinion of some mechanics that the system is too expensive for the small production of Summerland. A man cannot suck four barrels of oil out of a two-barrel well. The mode of operation is simple. Inch tubing is fastened to the end of 2-inch tubing Air is forced through the inch pipe and the oil and sand are carried to the surface through the 2-inch pipe. The system is in satisfactory operation in the Kern field, but the wells are more productive and the sand more troublesome than in Summerland.

Get Rich Quickly.

It is the desire of the multitude to get rich quickly. There are indeed some persons who do not desire to get rich at all, for they consider money the root of all evil and declare they will have none of it, but even these often fall victims to the seductions of the tempter and are compelled to admit that riches are good to have and that they bring many pleasures and enjoyments. The mining for oil today is one of the most profitable in the United States and offers to the investor the greatest opportunity to accumulate wealth by the tremendous profits which accrue from the production of oil. Among the many gilt edge oil companies operating in this state which offer splendid chances for investment, the Standard Consolidated Oil and Land Company seems to be most popular. They are experiencing a large demand for their stock from those who are always on the qui-vive for an investment that guarantees the safety of their principal, with the certainty of large profits being reasonably assured. The directors have recently ordered the expenditure of some $1200 for additional machinery necessary for their development work.

A local coal broker says that oil continues to be freely delivered without any marked change in price. Those who have changed their machinery adapting themselves to the use of oil, seem to be well pleased with the substitution, as it shows a monthly saving to their expense account.

The Mosquito Speaks on Oil.

I'm not as wide as a church door,
Nor as deep as a well,
But a little of me
Goes a long way,
And it doesn't have to be greased
With Kerosene,
Either.
Maybe I'm a greater
Disease disseminator
Than all the rest of the push,
And maybe I ain't,
Ain't or am,
But I sing my song
Right along,
And bite
Everything in sight,
Down in the swamps
And bosky dells
Where the rank grass grows
And the marshy smells
Fill the circumambient air
I lay
A million eggs
And go away
To make my living
As best I can
On all beastkind
As well as man;
And though I may get it
In the neck
And go to smash
In a hand-slap wreck,
Those eggs are laid
And they will arise
In time to make good
My sacrifice.
And as with me,
So with others, to
The extent of
Several billions who
Will never go forth
To set their pegs
Until they have laid
Their millions of eggs;
And those eggs hatch,
And they multiply
By millions of times
Their parents who die
As their parents did,
And theirs and theirs,
Since Noah let loose
His arkful of pairs.
Oh, we are hot stuff
And you cannot bust
The old reliable
Mosquito trust.
Gee whiz
That's the kind of a microbe
The mosquito is.
Talk about giving us
The greasy dope.
What kind of a jay
Do you think an N. J. is,
That we should have cold feet
To meet
Kerosene knock-out drops
Or petroleum paralyzers?
Why lubrication
Is what we need
To make you fellows bleed
Easy and free,
And save wear and tear on us.
So pour on your grease by the barrel,
And pull off your coats for the fight;
We don't care a cuss,
For your raid on us,
Because, by the ponds, we're all right,
And you'll have to meet
Our bills.
Wow!

SCRIPPERS AGAIN.

Like the Ghost of Banquo this Case Will Not Down.

The motion for review of the testimony adduced in the so-called "oil scrippers'" cases on appeal to the secretary of the interior, which were heard at considerable length last spring, has been granted to the attorneys for Clark, who contests the claims of the Kern Oil company, and an oral argument will be heard September 19 next.

The attorneys for Clark, who practically represents the contention of the "scrippers" generally, claim that they have certain new testimony which they desire to submit for consideration of the secretary of the interior, which they assert may lead to a re-opening of the entire matter. As the interests involved are so vast, Secretary Hitchcock has decided to grant the motion for review.

The granting of the motion for review and presentation of additional evidence does not necessarily indicate that there is any disposition on the part of the interior department to recede from its former decision, but it is, however, willing to hear any further oral testimony the "scrippers" may desire to present.

Reliable and Strictly Legitimate.

It is most difficult to select a reliable oil company in which to invest, because there are many of them. The investor should always consider several important points before doing so. The very first questions should always be: What holdings has the company? Is the management honest, and what is the price of the stock? If all three recommend themselves to the prospective investor then go ahead and buy. Don't hesitate until the stock gets beyond your reach.

The Standard Rock Oil Company, besides some most valuable leases in McKittrick, has acquired by deed 80 acres of the very cream of oil lands in Coalinga district, near the Home Oil Company and within two miles north of President Wm. Kinley's oil lands; it also own 160 acres of choice oil land adjoining the only oil well in Napa county, within four miles of Calistoga, immediately adjoining the Calistoga Development Company, the pioneers of Napa County. Oil up there is worth from $6 to $8 per barrel and it does not require but a very few barrels to each well to make these big dividend payers. If the land is worth a dollar it is worth $200 per acre at a very conservative estimate or $32,000 for 160 acres. The 80 acres at Coalinga belonging to the Standard Rock Oil Company are worth $100 per acre or $8,000, total $40,000. This company is incorporated for $300,000 at $1 per share and sells its treasury stock, 150,000 shares at 20 cents per share. The valuable lease of 52 acres in McKittrick, all of which is completely surrounded by large producing wells, within 5/8 of a mile of the S P. R. R. station is worth $10,000 readily, but could not be bought for three times that sum.

According to this plain statement the Standard Rock Oil Company owns land-holdings worth $50,000 or one-sixth of the whole capital stock, each share being worth at the beginning without any development, 16 2-3 cents and is sold at the company's offices for only 20 cents per share, not a very arbitrary price.

As soon as oil is struck on any one of these properties inside of 60 days stock will certainly be worth 50 cents per share and it does not require a man to be a prophet to predict that the Standard Rock stock will see $5 per share before many months are over and many a man will say: "Why, I could have bought that stock at 20 cents per share only in August, 1901."

For that reason we say: "Don't hesitate, but purchase now while you can afford it." An investment of $500 will at that rate purchase 2500 shares which when you least expect it may return you $12,000 or more. We know of one man, Mr. R. Ellis from Bradford, Pa., who took almost his last $100 about 15 months ago and invested it in 10 shares of the Home Oil company, Coalinga, then selling at $10 per share ($100 par value) and made a profit of nearly $32,000 in less than a year.

History repeats itself and is liable to do so in the case of the Standard Rock Oil Company. But don't wait a year until it goes to $5 per share. Buy it now at 20 cents per share at the offices of the company 475-76 Parrott Building, 855 Market street, as you cannot buy it anywhere else, at any price. If you have bought some, buy more before the price goes to 50 cents per share. The company has a large deal on hand and as soon as it goes through, which may be in a very few days, we under stand, stock will jump up. Be wise!

Since getting the casing to the bottom of the well and having some necessary repairs made to the machinery the Corning Oil & Gas company has continued boring at the rate of about forty-five feet a day and by Friday morning the hole was down 1155 feet. For about sixty-five feet the drill has been making its way through alternate layers of hard and soft sandstone, but on Friday morning a strata of slate was encountered. The gas which still escapes from the bottom of the well shows that the drill has not yet passed the strata where it is formed.

The Santa Fe Company has already oiled fifty miles of its track out of Bakersfield and begins at once to oil around the loop from Fresno back to Fresno. This is good and will met with approval.

Modesto is putting in machinery to make its gas out of crude oil instead of coal as heretofore, but it will likely be October before the change can be made.

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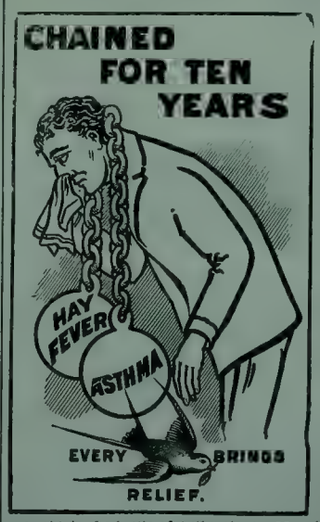

There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.

Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,

REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.

Dr. Taft Bros. Medicine Co.

Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease, Yours respectfully,

O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.

Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City.

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RIG IRONS

Sand Reels, Cants Arms and Pins. The Original Tool Wrenching Jack, the best and cheapest on the market.

D. HOOKER, Los Angeles, Cal., W. FORGIE, Washington, Pa.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

A fishing job was reported from the Herron well by the Farmer.

CONTRA COSTA.

The Call on Wednesday had a very fishy article about a big strike of oil in the Harvey well, near Antioch. The rumor was false. At Mr. Harvey's office in the Mills building it was stated on Wednesday there had been no strike of oil and that the well was full of water, which the drillers had not been able to shut off. There was lots of gas and some oil in the well.

FRESNO.

Maine State No. 3 is going down nicely.

Drive pipe is being put down by the California Rock company.

B. Zipperlen finished the rig for the Acme Oil company last Monday night.

Grading for the switch and loading rack of the H. H. H. pipe line has been started.

B. Zipperlen is putting up the rig for the Mt. Hamilton Oil company near Alcalde.

The average daily shipment of oil from the Coalinga field for the past week is 2000 barrels.

Having struck two good wells the El Capitan company will probably start a No. 3 soon.

Though the Echo well will have to be a deep one that company seems to have great faith in it.

Material for the Maine State pipe line has arrived and work of putting in same will soon be commenced.

No. 8 of the Home Oil company is still going down, and if no accident is encountered will soon be finished.

Drilling on Blue Diamond No. 1 is going steadily ahead and that well is now down about 250 feet.

There are twenty-five men employed by the California Oil Fields (Ltd) on that company's property.

Rig for Sauer Dough company was finished last Wednesday and the drill was started Thursday.

California Oil Field (Ltd.) No. 1 is down over 200 feet, No. 2 started Spudding last Monday and No. 3 a few days later.

Aetna No. 5 is pulling casing and has 1100 feet of water. No. 3 is pumping, No. 4 will be cleaned out and put on the pump again.

The Blue Goose was to have started No. 2 on the 6th of this month, but for some reason or other work on that well has been postponed.

The Zenith Oil company of Duluth, Minnesota, which purchased considerable oil land in this section lately will begin extensive operations here in a few weeks.

HUMBOLDT.

Nothing new from the oil wells, except at the Wild Goose they have struck a very strong flow of gas. It can be seen coming from the top of the casing. Visitors are requested not to light cigars near the well.

KERN.

Black Jack is pleased with the work of the air pump.

The Kern River Mutual has its storage tanks full of the products of its wells.

The Standard is filling its tanks in Kern River before they are fairly completed.

The McKittrick company ships one car of oil daily to a small smelter down in San Francisco.

Information from Kramer confirms the statement that oil has been struck there.

The Cortez, 5, 29-28, has closed down for the present. The company's tanks are all full of oil.

The Vernon on section 29, 28-28 is having trouble with the lowering of its five and five-eighths inch casing.

The Illinois Crude is putting its derrick on section 32, 28-28 and will soon be ready to begin spudding in.

The Provident resumed drilling on its hole which is partially completed on section 25, 28-28, yesterday.

The Provident will soon finish its well on 28, 25-27. The hole is about 1100 feet deep.

Anna Sams has deeded to W. L. Myers all of section 36, 25-32, comprising 640 acres.

The Crump Oil company has purchased its casing for a hole which will be sunk on its holdings in Sunset immediately.

Arcola Extension's new well in Sunset is producing heavily and work on Dirigo No. 2 and Freemont is reported to be progressing favorably.

Manager George E. Ames Jr. of the Wizard has bought a string of drive pipe and will at once begin lowering it. The well on 26, 29-28 is 1000 feet deep.

Famoso's No. 1 has been cleaned out 100 feet and is now pumping on a jack. It is still one of the best producers in the field. No. 3 is pumping about 300 barrels a day.

Although the nine and five-eighths casing of the Lion No. 2 is capped, the two-inch vent pipe leading from the cap to the oil tanks discharges so much oil that the tanks on the property are all full.

F. F. Weed and M. Schwartz of the Lion and Maricopa companies returned last night from Sunset and left for San Francisco. As a result of their visit work will soon be in progress on Maricopa No. 2.

The Jolly Joker, on section 23, 32-23, has pulled out some casing in order to repair a shoe that has been making considerable trouble. Aside from this the company is making very good progress with the drill.

The graders on the Sunset road have moved camp, and are now located on the other side of the lake levee, about twelve miles from Sunset. The force is making rapid headway with the work and will arrive at the terminus within a few weeks.

The Sinnemahoning, 19, 28-28, has been pumping water from its well for three weeks. The water is of a good quality and the supply is large. The company will probably abandon the hopes of making an oil well of the hole and will move to a new location.

It is the consensus of opinion among oil men that there will be a revival in Kern county development work soon. Nearly all the cheap oil has been contracted for, and the companies who have stood aloof will now be able to command a good price for their product.

The Missouri Oil company, operating on 29, 28-28 has made the final payment on its property and the officers are well pleased with the condition of its affairs. It has completed three good wells, all of which have been paid for in full, but are at present not pumping. The wells will be hung up until some adjustment of the oil marketing problem is made.

So eager is the Standard to get its tanks in the local field completed it has been giving its laborers seven days' pay for six days' work. The company is now preparing to erect six new tanks near Oil Junction. The motive it has for hurrying the work along is not thoroughly understood by the producers, but it is evident from the speed with which the large storage reservoirs are constructed and filled that there is something in the wind not in harmony with the wishes of the local companies.

There can be little doubt that the north end of the Sunset field carries the oil stratum—recent developments have proved it. One of the latest finds there is reported by the Beaver company, operating on section 35, 12-24. This company, after landing its casing below the second oil stratum, has decided to go deeper and tap the third owing to very flattering indications. It is said the second sand showed up very rich, and that the gas pressure there was so great the oil was forced over the casing.

Mecca No. 1 landed its nine and five-eighths casing and finished drilling recently. The well was completed at 1010 feet and has the indications of being a good producer and equal to any well ever before brought in from the northwestern part of the local field. The field is gradually broadening out toward the northwest, and many good wells have been completed in this part of the field. The Wisconsin, Century and Petroleum Center companies, on section 24, just west of the Mecca, have wells producing large quantities of oil.

Work on the Dixon well located near the center of 23, 32-23 has been suspended for the present, the contractors having gone the required depth, 1000 feet, as called for in their contract. The Dixon struck a very encouraging layer of oil sand a couple of weeks ago, and the drill was still working in the formation when work was suspended, though it had not gone far enough into the oil bearing strata to determine the value of the holdings. The company has not yet decided whether the hole will be sunk to a greater depth at present. Many of the companies having property on the same section are anxious to see the well completed, as the exact value of the property will then be ascertained.

LOS ANGELES.

Whittier Crude Oil company has its No. 5 down 400 feet.

The Central is rigging the derrick for No. 31 and grading for No. 32.

Rival Oil company has a new rig up near its other wells in the local field.

The Turner company of Whittier now has its wells on its new pumping jack.

Clark & Sherman are putting in a pumping plant at the corner of Belleview and Sunset avenues, local field, where they are drilling their fifth well.

Southwestern Oil company is increasing its tankage on Edgeware road, in the city field, and will rig up several small producers which have long been idle for pumping.

The Murphy Oil company is building a substantial bridge across the arroyo below No. 1, and preparing for its seventh well, which will be No. 0, between No. 1 and No. 1 east.

North Whittier Oil company has its No. 2 down over 700 feet, and finds but little difficulty in going through the conglomerate formation with the 10-inch drive pipe which it is using.

The deepening of the wells in the Los Angels field has caused the greatest activity in that district. The second sand which was recently struck near the 1150 foot level is proving to be very rich.

East Whittier Oil company is down about 800 feet on its No. 2. About 500 feet was lost in the operation of pulling the casing to straighten the hole, but that has nearly all been regained. It is using 9 5-8 casing at present.

The Raymond Oil company on the southwest of the Whittier field has completed its well at a depth of 2200 feet, after having gone through about 200 feet of rich oil sand. The well will be put on the pump in a day or two. The showing is for a good well.

The Central Oil company of Whittier recently finished its well No. 28 at a depth of 1500 feet, and it was put on the pump. It showed up for an average producer, but the results were not what the managers of the company thought they should be, and the hole was cleaned out and rapidly filled with oil. It was put on the pump again and threw out a fine stream of oil at the rate of about eighteen or twenty barrels an hour, and the latest reports from the field say the output is increasing rather than diminishing. The oil is of a light brown quality, of about 22 gravity, similar to the regular product from this section of the field. The location of the well is on the west line, near the Warner Oil company's property.

ORANGE.

The Brea Canyon company has well No. 9 down several hundred feet. It is showing up well and is easy drilling.

The Menges well in Brea Canyon is a splendid producer, but the company is not working it up to its full capacity on account of the low price of oil.

It is reported that the Crown of the Valley (Pasadena people) will make another trial for oil in Brea canyon, having decided to put down another well, which will be on the southwest corner of its tract, near the Menges well.

No. 13, a new well on the Union's Brea Canyon lease, has produced 200 barrels of oil in forty-eight hours. This company now has well No. 22 down 1100 feet and No. 13 is down 1630 feet in the third stratum of oil sand. Drilling will be resumed on No. 19 this week; it is now 600 feet deep with eleven and five-eighths inch casing. There are good oil indications in well No. 23. The Union wells in the Fullerton field are now producing over four hundred barrels of good grade oil daily.

SAN BENITO.

La Primera began drilling last week.

The Silver Creek Oil company has drilled over 900 feet.

The Fresno-Alpha is sending the drill downward energetically.

The Ashurst Oil company began spudding on well No. 2 last week.

The Fresno-San Benito contemplate putting in a Standard rig for No. 2.

Drilling will commence again soon at the Nonpareil Oil company's wells.

The Santa Maria Oil company has ordered a rig which will be shipped at once.

The Rothenberg Oil company has finished building roads to the site of the derrick.

The Hollister Petroleum Development company is now working two shifts. A depth of 90 feet has been reached.

The Portia Oil company is not losing any time in erecting the derrick and getting boiler and engine in position.

The London-Calistoga is drilling after a few days delay in connecting the system of the Vallecitos Water company. The drill is down over 100 feet.

The Indian Valley well is down but 130 feet, unforseen difficulties presenting that have greatly retarded operations. The seepage has increased 600 per cent.

F. Q. Alverez has served notice on the oil company operating on his ranch to vacate as they have violated the conditions of the lease in the long suspension of work.

The Western Oil Association has a man on its lands in the Bitterwater disdistrict looking over the property, studying the formation and selecting the best sites for the location of wells.

The Grant Oil company, operating on the Topo, is among financial breakers. Several attachments have been issued out of the Superior Court for material furnished and labor performed.

The water system of the Vallecitos Water company has been thoroughly tested and its working is all that could be desired. The system has a fine supply of water. The company can furnish water for running many rigs.

The Hollister Petroleum Development company commenced drilling last week. The night shift will be put on immediately. A consignment of 30 drums of oil was received from San Jose recently and immediately hauled out to the well for fuel.

The Ashurst well is down but 420 feet. Some three or four weeks ago a drill or drills were lost in the well by reason of a defective cable, and the operators have since been fishing to recover them or get them out of the way, without success so far. Increasing seepage reported.

The Calistoga Oil and Development company started work last week on section 18, 17-12, on its lands near the Hamiltonian well which is in oil and only awaiting the completion of the water system to finish its well. The Calistoga is hauling its water from Vallecitos creek for the present and will push operations with all speed. It is using a Keystone Driller No. 9.

SHASTA.

Progress in boring for oil in Shasta county has not been very marked in the past month. The Shasta Consolidated has made a complete change of crew and was closed down while the change was pending. The company is encouraged by a favorable change in the formation and greater headway will no doubt now be made.

In the Sand Flat district all work done has developed the most promising indi-

cations, but here also little progress has been made. A shortage of water for boiler use may force a delay of several months as neither the Mount Shasta nor Keswick Crude thinks favorably of incurring unnecessary expense on this account.

The Mt. Shasta has recovered its lost bit, but will be forced to deepen the well from which it draws its water supply, and if the water in sufficient quantities is then not discovered, the alternative of hauling a supply from some distance or awaiting the fall rains will confront the management.

The Keswick Crude Oil company has spudded in, but will not commence drilling until the water problem is solved. The pump used hitherto is inadequate, and a new one will be ordered unless it is decided to await the rains before beginning to drill. The well recently sunk has reached water, but some of the directors feel it is an uncertain quantity, and do not like to begin operations until a steady supply is assured.

SOLANO.

The Vacaville well will be sunk to 1500 feet, if sufficient money can be found.

The Canfield drilling machine in use near Vallejo has gone down 167 feet in nine days in a hard formation.

The Vanden well was stopped at a depth of 1500 feet. Heavier casing will be secured. Small amount of oil.

The Rochester Oil Company, which was reported to be contemplating abandoning their well, decided at a recent meeting to continue operations. They have oil at 1,500 feet, but the large flow of salt water and gas has been difficult to shut off.

SAN MATEO.

The Bella Vista Oil Company is down over 800 feet, the drill having passed through oil sand full of oil, and is now in a blue shale. Gas is abundant and there is every reason to expect an early strike of oil.

SAN LUIS OBISPO.

The Cuyama Valley Oil company has now considerable money on hand and is preparing to put a rig on their property to begin work at an early date.

The strike recently reported from the Grand Price at the western end of the Cuyama valley is very encouraging. Experts report that the indications of oil throughout this valley are splendid Contracts wlll soon be let for immediate active operations of this company.

STANISLAUS.

The Crocker-Huffman oil well on the line of the S. P., within a mile or two of Merced, is down 500 feet.

The X-Ray Oil company, operating near Oakdale, will resume boring in a few days, their standard rig about ready for work. Crude oil will be used for fuel.

The derrick and rig of the X-Ray company, operating a few miles from Oakdale, have been improved and operations resumed. The well was down 340 feet at last accounts, some days since.

It was not expert Onn who went over the hills west of Grayson recently, in the interest of the Mt. Oso company, but a second expert, Lightner by name. Onn spent the week preceding in the hills for the Mt. Oso people and was to have returned last week to locate a well, but he is detained down south by a trial. Both Lightner and Onn agree that the indications point to the presence of oil in profitable quantities.

SANTA BARBARA.

The Seaside company are preparing to extend the usefulness of their pumping plant by putting in another dynamo.

Along the Becker wharf many new derricks are being erected. o far the producers finished have only been average wells.

The Duquesne company, after going down 650 feet in its last hole, encountered a flow of water that has been almost impossible to shut off.

Manager Horace Cook is considering the advisability of putting in an air compressor to pump the Seaside wells north of the track if the experiment proves successful at the Duquesne plant.

Hickey & Robinson have completed the sixth well of their contract with G. F. Becker. The Becker plant is the pioneer beach plant of the field, the wells have always been good producers, free from water and averaging about 16 gravity.

The third wharf of the Marine Oil company is completed, and the sinking of wells will soon be under way. It is the intention of the Marine company to begin drilling at Loon point. So far work has not been as satisfactory as was expected.

J. W. Churchill reports the 14-inch well at Carpenteria down 500 feet It is expected that at a depth of about 1200 feet they will strike a body of low gravity oil, or liquid asphalt This is what the company are supposed to be boring for. The idea is to sink a 14-inch pipe and in the center a 10-inch pipe, the two to go down evenly. The space between the two casings will be filled with steam, which heating and liquefying the asphalt will enable it to be pumped to the surface.

VENTURA.

Drilling was begun on well 54 at Torrey last week.

One string of tools has been shut down at Modelo, but only temporarily.

Two new wells, Nos. 45 and 57 have been finished up at Torrey and are now pumping.

Successful operations are still progressing with the Bardsdale Crude Oil company.

The Skookum Oil company is down 250 feet, work is delayed on account of a fishing job.

The company who leased the Balcom property has the lumber on the ground for their rig.

The Searchlight Oil company operating north of Devil's gate are closed down waiting for fishing tools.

Well No. 24 of Modelo Oil company has just been completed and is considered one of the best pumping wells on the lease.

The California Consolidated company, having finished the road to the Big Sespe district are now hauling lumber on the ground for their rig.

There have been some important changes in the working force at Modelo, several of the men who have been here some time being about to leave, their places being left vacant.

The company working on the Lemmon place having the misfortune to lose a bit are obliged to abandon the hole. The rig will be moved six feet and drilling commenced at once.

The Santa Fe, which was first to introduce the use of fuel oil, has put the finishing touches on the last of its engines in California to equip them to burn oil. The railroad has 135 engines in service in California and has orders placed for a large additional number, of which sixty-five will be assigned in service in California. This will bring the number of oil burning locomotives in the state up to 200, with a consuming power of 1,260,000 barrels a year. One year ago the consuming power was only 350,000 barrels a year.

No one speaks more in the Pickwickian sense than the native who says he does not believe there is any oil on his place.

Steadily the leaven of education is getting in its work throughout the land. People who lease oil land on an eighth royalty in preference to a sixth are now comparatively scarce.

Pacific Coast Underwriting Company.

Incorporate companies; furnish everything complete.
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Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, July 31.

BEAR FLAG.		
3200 at	05	160 00
CARIBOU.		
100 at	95	95 00
CENTRAL PT. CON		
50 at	1 60	80 00
CALIFORNIA STANDARD.		
1100 at	24	264 00
100 at	23	23 00
FOUR OIL.		
250 at	37	122 50
93 at	35	32 55
1100 at	38	418 00
200(S90)at	37	74 00
HANFORD.		
1 at	98 00	98 00
HOME OIL.		
50 at	2 05	102 50
290 at	2 10	609 00
100(S90)at	2 10	210 00
50 at	2 12½	106 25
INDEPENDENCE		
1000 at	10	[illegible]
500 at	11	55 00
1500(Cash)at	10	150 00
1000(B60) at	11	110 00
JUNCTION.		
900 at	10	90 00
200 at	09	18 00
KERN.		
100 at	5 25	525 00
KERN RIVER.		
100 at	9 00	900 00
LION.		
1500 at	08	120 00
500 at	09	45 00
MONARCH OF ARIZONA.		
500 at	22	110 00
1150 at	20	276 00
900 at	21	189 00
1000(S90) at	20	20 00
500(B60) at	21	105 00
MONTE CRISTO.		
500 at	1 70	850 00
100 at	1 52½	152 50
100 at	1 60	160 00
OIL CITY PETROLEUM.		
400 at	26	104 00
OCCIDENTAL OF W. VA.		
466 at	33	153 78
200 at	34	68 00
1900 at	35	665 00
PEERLESS.		
20 at	5 00	100 00
PETROLEUM CENTER.		
1000 at	03	30 00
300 at	01	3 00
5150 at	02	103 00
McKITTRICK		
900 at	24	216 00
SAN JOAQUIN.		
200(B90)at	8 00	1600 00
20 at	7 62½	152 50
85 at	7 50	637 50
TWENTY-EIGHT		
900 at	1 30	1170 00
200 at	1 35	270 00
WEST LAKE.		
2000 at	08	160 00
Shares	31,595	Amount $11,821.08

Annual Meeting.

Notice is hereby given that the annual meeting of the stockholders of the Leased Land Oil company will be held in the office of the company, room 22, 212 Sansome Street, San Francisco, Cal., on Wednesday, August 14, 1901, at 2 o'clock P. M., for the purpose of electing a board of directors to serve for the ensuing year, and the transaction of such other business as may properly come before the meeting.

The transfer books will close on Wednesday, August 7, 1901, at 2 P. M.

JABISH CLEMENT, Secretary.
San Francisco, July 26, 1901.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

FOR SALE CHEAP.—A good Standard Drilling rig with two strings of tools. Wagons, galvanized wagon tanks, second-hand 9⅝ and 7⅝ casing. Lot of good lumber, dishes, stoves, etc. Everything in good order.
Box 77, McKittrick, Cal.

WANTED.—I desire to purchase 40 or 50 acres of land in oil section near Bakersfield close to railroad. Give price. Describe property.
FINANCIER, Box 595, San Jose, Cal.

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STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

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FOR SALE CHEAP.

SUITABLE FOR WATER OR OIL.
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WANTED.

A good second-hand Standard Rig. Address:
FLASHLIGHT OIL CO.,
23 Columbian Bldg., S. F.

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Oil Stocks

Lands for sale and to lease. Also will deed in consideration of development work.

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Correspondence invited. Information on oil stocks furnished gratis.

OIL AND GOLD
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Crude Oil Company

Owns 2720 acres Oil Land and Valuable Leases with Producing Wells. Also fine Gold Mine. Limited amount of Treasury Stock at 10 cents per share. Best Stock Investment in the Market.

WANTED, AGENTS.

W. G. YOUNG & CO.,
Fiscal Agents.
628-30 Laughlin Bldg., Los Angeles, Cal.

WHERE'S THE LAND?

Doubtful Transaction of Co-operative Claim Agent.

Along about April 1st, B. C. Weir of San Francisco and 150 other men paid $3 each for the privilege of having located for them a claim of twenty acres of oil land. That is, they paid their money and expected the oil claim. Now they have neither. From the story told by Weir, a lawyer of San Francisco named Burnette G. Haskell claimed to have data, statistics and much valuable information which would enable him to pick out the choicest lands belonging to the government and lying in Tulare, Fresno, Kings, Kern, San Benito and other counties. For the $3 in hand paid and a one-half interest in all claims he should locate, he would file for each of his clients a valid location on choice oil lands. That it would be all straight, he asked them to sign agreements to that effect, after giving receipt containing a clause referring to the agreement. The agreement was in reality a power of attorney from the client authorizing Haskell and one "Charles H. Ross, a searcher of record of Tulare county," to act for each of the investors. They waited several months and hearing nothing began to make inquiries, in answer to which the following printed letter circular was received:

"Office of Charles H. Ross and Burnette G. Haskell, Sultana, July —, 1901.

"My Dear Comrade—We have your power of attorney to locate on oil lands as per previous agreement. It is impossible for us to answer in detail the numerous inquiries made, so we send this circular letter. You must understand that the location work is hard and arduous and takes time. There are 150 members to be looked after. Each claim of twenty acres has first to be found on the records and maps. Then it has to be visited by one of us, measured 1320 feet by 600 feet in legal subdivisions with surveyor, then staked and recorded and labor performed and proof thereof made, and other work done.

"All this takes time. We are doing the best we can for all and you must understand that since we have a half interest in each of the claims located, it is to our interest to see that the best lands are selected.

"As soon as the allotment is filed we shall both be in San Francisco and give you a detailed report.

"Meanwhile be a little patient. You are not risking much and you stand to win a good deal.

"We are so busy we cannot answer letters asking details. Every member ought to be willing to wait for the general good.

"Yours respectfully, ———."

Mr. Weir made a search of the county records and also at the land office and could find no trace of any locations made in the name of either Haskell or any of the seventy members of the scheme who had sent him down here to investigate the matter. Ross, who is alleged to be a searcher of records, is not known here, at least a diligent inquiry failed to reveal any one claiming acquaintance with him. The only person bearing that name in the county of whom trace could be obtained was Charles H. Ross, a printer, who formerly worked at Dinuba. Just what action the 150 men will take with reference to their missing $3 each will not be known until Mr. Weir returns and makes his report.

Oil Companies Incorporated.

Valley Lands Oil company. Principal place of business, Sacramento. Directors: W J F Geary, J B Klune, H G May, J H Stocker, H Fisher, W O Bowers, all of Sacramento. Capital stock, $50,000; subscribed, $30,000.

Crump Crude Oil company. Principal place of business, Stockton. Directors: J M Bigger, San Francisco; F G Cary, Lodi; W W Westbay, A A Smallfield; L J Wagner, Stockton; W H Crump, J E Crump, Acampo. Capital stock, $500,000; subscribed, $250,000.

Fair Play Oil Land company. Principal place of businesss, Sacramento. Directors: Seth Gainsley, F M Egan, F S Ott, A K Varney, C Schoenbackler, Sacramento; J McKindley, Cosumnes; Morris Brooke, Oak Park. Capital stock, $19,200; subscribed, $10,200.

The Cortez Oil company. Place of business, Kansas City, Mo. Directors: R E Goodlett, S G Turner, F S Hall, L R Bolles, J H Snedaker, all of Kansas City. Capital stock, $500,000; all subscribed.

Northern Oil & Development company of Santa Paula. Directors: C W Ayers, San Francisco; W A Corney, Los Angeles; H H Yungling, H Bay, Santa Paula, and H E Jamieson, Rivera. Capital stock, $75,000; subscribed, $7.

Leniten Oil company (Arizona). Directors; H H Blood, William Ellery, J W Adams, G W Ellery, San Francisco, and E E Bush, Hanford. Capital stock, $1,000,000.

Union Consolidated Oil company (West Virginia). Place of business, New York City. Capital stock subscribed, $30. Subscribers: J H Plumer, G F Jacobs, H H Douglas, C H H German, J F Cresser, all of New York City.

Oil Land Cases Go by Default.

Three different quiet-title cases were tried last week before Judge Austin in the Superior Court of Fresno County, says the Republican. Two of the cases went by default. John La Blanc and others had sued the Old Keystone Oil Company and other parties for possession of some land in the Coalinga country. Defaults had been entered against several of the defendants some time ago and the trials were short. S. Shannon testified for the plaintiffs and after some documentary evidence had been introduced judgment was given for the plaintiffs.

A similar suit had been brought against the Old Keystone Company by the Hanford Oil Company, in which the same plaintiffs were interested. Judgment was given as prayed for in this case also.

SECOND-HAND half-inch steel sand-pump line 1400 feet long for sale cheap. Addreas NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland. or F. CHAPELLET, 214 Pine Street, San Francisco.

Buy Pacific Petroleum

This is good advice because **Pacific Petroleum Company, Limited,** is a first-class company, organized and directed by experienced, reliable and substantial business men, who have associated themselves together for the sole purpose of the

PAYMENT OF DIVIDENDS.

The lands of this company are located in the Devil's Den Oil District of Kern County, where a much higher grade of Petroleum has been developed than is found in the famous Kern River fields, and is pronounced by the very highest authorities second to none in point of formation. We have not merely contracted for our outfit, we are actually at work. We have no promoter's stock and are selling only treasury stock, every dollar of which goes into the development fund, which is held intact to pay for drilling operations only.

25,000 more shares at 5c per share. Stock may be withdrawn from public sale on July 1st. This is an opportunity for you to share in the profits of a well-located and entirely legitimate business enterprise. Buy now. This is a sure, safe investment. Send all applications to

PACIFIC PETROLEUM CO., LTD.

PAUL R. LEWIS, Secretary,

Room 210 Hearst (Examiner) Building, San Francisco.

16,400 ACRES OF PROMISING OIL LANDS

In San Bernardino County, California.

are offered at a bargain. These lands have been most carefully selected by the best Oil Experts, and samples of the oil received therefrom indicate the highest quality. Besides oil, important mineral deposits have been disclosed, offering exceptional opportunity to a syndicate to push development on a most profitable basis.

On this land are oil seepages and outcroppings of the finest looking oil sands and shales, also deposits of nitre, borax, and in another part gold and copper ledges of unknown extent, all of which gives these locations a high prospective value.

Mr. M. L. Cook, County Surveyor of San Bernardino County writes regarding these lands:

"DEAR SIR:—Your communication of the 5th at hand. You ask me what my opinion is of the territory you have located for oil lands in the section of the country I have recently surveyed for you. I will state that I have gone over the entire territory and during the past two months have surveyed and examined the country along the entire length of this particular oil belt in which your locations are situated, I can state that your territory is as good as any located thereon, and I consider it superior to the country near what is known as the Black Ranch or the Hiawatha fields. I will further state that I was in the country early, and had my choice of ground, and I selected the same locality in which you have located, and I can also state that the company in which I am interested intend to put down a well on the ground immediately adjoining the lands which you have located. The lands which I surveyed for you contain 16,400 acres."

FOR FURTHER PARTICULARS ADDRESS:

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Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell
WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO.

Capital.................................$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president, Wm E Stevens, vice-president; F J Brugnere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny
Office: 807 Claus Spreckels building, San Francisco, Cal.

COMMONWEALTH OIL COMPANY.

Capital stock only $100,000 Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28 Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street, San Francisco, Cal.

CYGNET PETROLEUM CO.

Capital.................................$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.

Capital.................................$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.

Capital.................................$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.

Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY

Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.

Capital.................................$200,[illegible]
200,000 shares at $1.
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California.

Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND

Capital.................................$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GRAND PACIFIC OIL CO.

Capital.................................$1,5000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in MKcittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 414 Parrott Building, San Francisco.
T R Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL LAND AND DEV. CO.

Capital.................................$600,000
par value $2.
Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.
Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.
Crocker-Woolworth National Bank, depository
Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO

Capital.................................$200,000
200,000 shares at $1
Location: NW¼ Sec 15 Twp 23 S, R 18 E, Kings county, 160 acres in Kettleman Hills district
Officers—Chas C Crowley, president John Perrin vice-president Frank C Fabens secretary and treasurer Frank P Kelly, attorney Chas W Nelson D Horland Wm J O Connor Depository, Union Trust Co
San Francisco office—Room 408 Examiner Bldg
Member of the California Petroleum Miners Association

LION OIL COMPANY

Incorporated under the laws of Arizona Capital $[illegible] Number of shares [illegible] Land, 88 acres in Sunset Kern and Temblor districts Directors—Dr A S Cook M F Cochrane, D S Stanley F F Weed T M Gardiner, I J Truman Jr F E Betts Officers—Dr A S Cook, president, M F Cochrane first vice president, D S Stanley second vice president F F Weed, secretary T M Gardiner treasurer Office, 927 Market street (Emma Spreckels building), Room 316 San Francisco

LINCOLN OIL COMPANY.

Capital.................................$200,000
Number of shares 200,000 All stock non-assessable Incorporated, Sept 20 1900
Lands, 1686 acres in Kern River Sunset and Coalinga Oil districts Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J H Edson, secretary and manager.
Directors, Amos Seaman, R T. McGinnis, Irwin D. Martin, M. A. Edson, John S Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.

Capital.................................$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository Office at Monterey City, Cal

OCCIDENTAL OIL CO. OF WEST VIRGINIA

Capital stock 600,000 shares.. ...par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA

Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY

Capital.................................$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE

Capital.................................$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st, San Jose, Cal
San Francisco office: Room 311 Adams bldg., 20[illegible] Kearny street.

SOLANO OIL AND DEVELOPMENT CO.

Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn vice-president; M. M. Kahn, secretary, Hugo D Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.

Capital.................................$300,000
Treasury stock.................................$150 000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block, Bakersfield, Cal

THE RAVEN OIL COMPANY.

Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.
San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY

Capital.................................$500,000
[illegible] shares at $1 00
Incorporated under the laws of California
Location—[illegible] acres Midway district, Kern county leased from Bay City being 80 acres in N ½ of NW ¼ section 22 12-23 and 80 acres S ½ of SW ¼ section [illegible] 32-23 Officers Geo. W Turner, President George R Hanslow Vice-president E N Sewell Secretary and Treasurer, H W Merrill J H Dean W W Hutchinson Maurice V Samuels, Attorney W R Stammers, Manager Union Trust company Depository
Office—[illegible] Safe Deposit Building, San Francisco Cal

U. S. OIL AND MINING CO.

Capital.................................$300,000
Par value, $1 per share
Location 320 acres in Kern River District, 160 acres in section 2?, 11-24 Sunset district, near Blodgett & Jewett wells 110 acres on fraction 26 12-24, near Monarch adjoining Jewett, Blodgett & Beal gusher L M Underwood, president, F Ketelhut secretary
Office—211 [illegible]th street, Bakersfield, Cal.

WESTERN OIL ASSOCIATION

Capital.................................$1,000,000
1,000,000 shares par value $1 each
Organized under the laws of South Dakota
This is our property—2140 acres, Kern county, 131 acres, San Diego county, 320 acres, Glenn county, 800 acres, Tehama county 4860 acres, San Benito county, 140 acres, Monterey county, 800 acres Fresno county 400 acres, Humboldt county—9594 acres
Officers and Directors—J F Harris, president Irwin D Martin, vice-president, R K Roberts, secretary; Union Trust company, treasurer; W E Robinson, Springfield Ill, Irvin D Martin, Oakland Judge J F Harris, Oakland, R K Roberts, Oakland
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street; St Louis, Chemical building; Washington, D C, 228 A street; Portland, Ore, McKay building; Chicago, Royal Insurance building; Albany, N L, 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.

Capital.................................$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

X L N T OIL COMPANY.

Capital stock.................................$500,000
500,000 shares, par value, $1 per share.
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office—552 Parrott building, San Francisco, Cal

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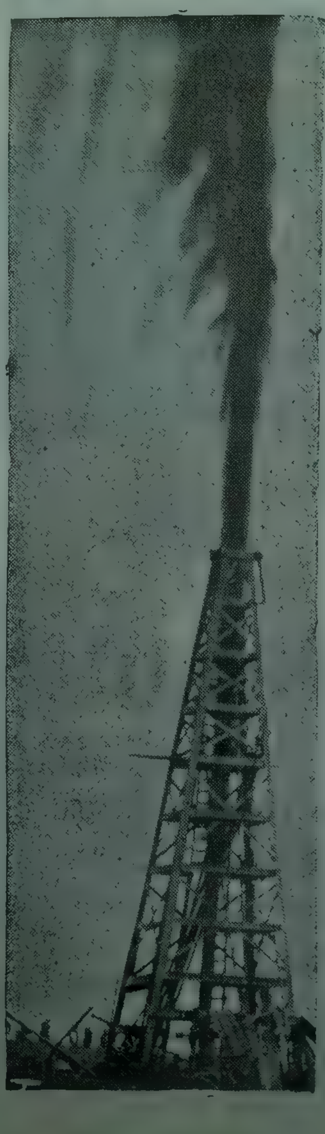

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It is only necessy to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.

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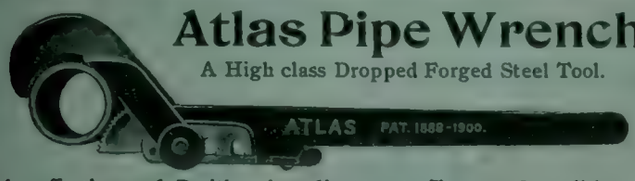

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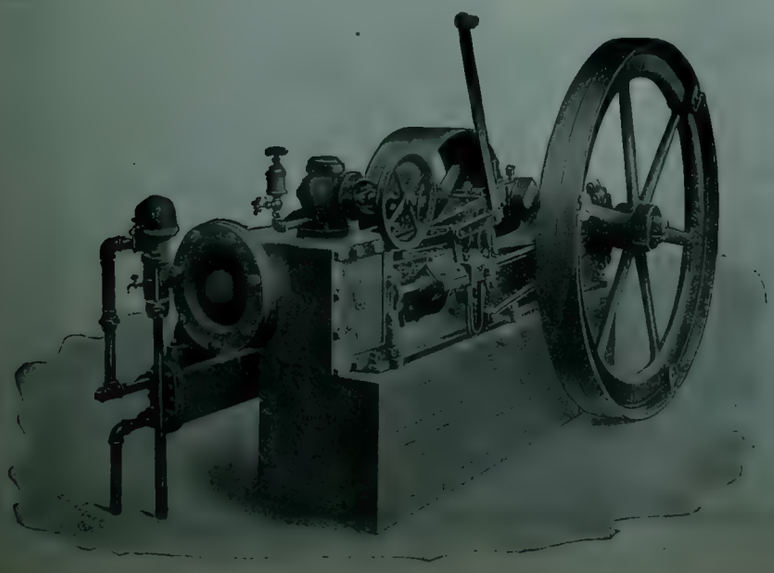

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VOLUME 2 NUMBER 40

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, AUGUST 9, 1901.

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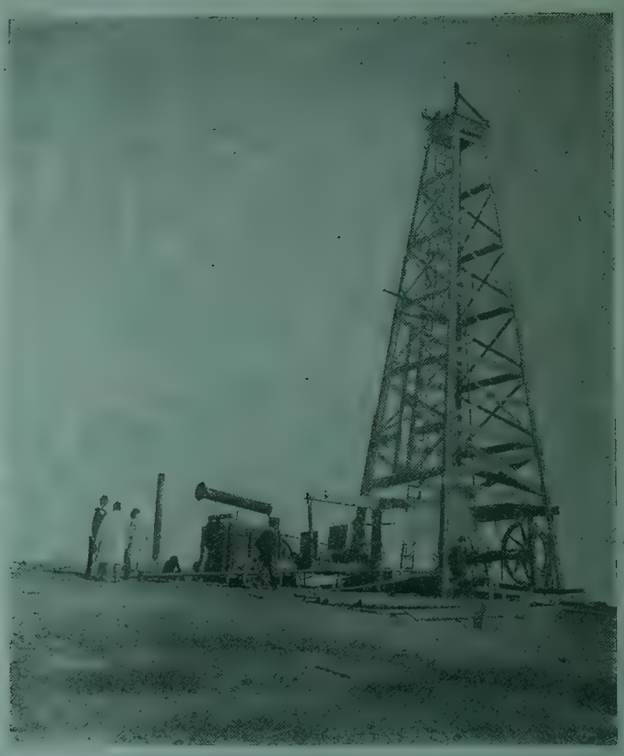

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50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near famous Home Oil Company and 160 acres adjoining an oil well in Napa Valley.

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PACIFIC OIL REPORTER

VOL. 2. NO. 40. SAN FRANCISCO, CAL., FRIDAY, AUGUST 9, 1901. PRICE, TEN CENTS

ASPHALT FOR STREETS.

How the California Product Is Now Being Utilized.

Specifications for Paving With Pure Natural Asphalt as Used by the Alcatraz Asphalt Company. Making Asphalt from Oil.

Refinery for Making Asphalt From Crude Oil in Los Angeles—Property of American Oil and Asphalt Company—General View, Showing Three Old Stills as Reconstructed, Capacity 125 Barrels Each, and Two New Stills, Capacity 250 Barrels Each.—Photo by F. P. Smith.

Asphalt is a term generally applied to impure bitumen. In different localities it has different significations. In France the word "asphalte" signified a lime rock naturally impregnated with bitumen In this country the term has a broader significance. Trinidad asphalt in its natural state signifies a mixture containing about 35 per cent of bitumen and 65 per cent of water, mineral salts and silicious material in a very fine state of division. Bermudez asphalt is a term applied to a material containing from 90 to 95 per cent bitumen, the remainder being made up of organic matter and mineral matter in a very fine state of division.

Laying Asphalt Pavement, Grant Avenue, San Francisco, Cal., in January, 1901, by the Alcat az Asphalt Paving Company.—One of the Best and Most Durable Pavements in the City.

The bituminous rocks of Kentucky, Indian Territory and California are also frequently called asphalt, regardless of whether they contain any limestone. The product obtained by the distillation of the various California oils is also classified under the same name.

It is generally conceded that the source of supply of the bitumen is from petroleum deposits which have parted with the more volatile elements and become oxidized and hardened under the influence of heat, pressure and exposure. Besides the natural asphalt there is a large amount which is made from oil by evaporation through the application of heat. Probably half of the asphalt on the market is produced from oil, and is naturally of a purer quality, and consequently better for paint and varnish purposes, but is more easily affected by heat. It runs more easily and is specially adapted for pipe dipping and similar purposes.

Natural asphalt in California is distributed in quantity through Kern, San Luis Obispo, Santa Barbara, Monterey, Santa Cruz and Ventura counties, and to a less extent in Marin, Mendocino and Santa Clara counties.

Broadly speaking there are two classes of deposits, one in which the asphalt is associated with sand, gravel or other coarse material, and one in which the mineral matter associated with the bitumen is in a very finely divided state. The first class occurs in the same form in which the mineral matter was originally deposited, subject, of course, to such geological changes as have taken place, while the second occurs in either kidney-shaped masses or a continuous fissure vein, the same as ordinary ore deposits.

The capacity of the plants which manufacture of asphalt is as follows:

	Tons per annum.
Standard and Union Refineries (estimated)	15,000
Alcatraz Co., Sisquoc, Carpenteria and Los Angeles plants	25,000
Jewett & Blodgett	1,000
Southern Refining Company of Los Angeles	3,000
Sunset Refining Co. at Obispo, Los Angeles County	15,000
Total	59,000

Of this amount about one-half, or say 30,000 tons per annum, is actually produced.

Bituminous rock usually receives a certain amount of preparation before being placed on the market, although some of it is used for paving without other preparation than crushing and heating. Bituminous rock usually averages 14 to 15 per cent pure asphalt, although the amount varies from 8 to 20 per cent. In mining on an exposed face selection is made of those layers whose composition makes them suitable for the purpose intended, as some of the layers contain a larger proportion of sand, clay and other foreign matters intermingled with them.

A typical asphalt mine can be found on the Sisquoc Rancho, belonging to the Alcatraz Asphalt Company of this city. The grant is eight miles from Los Alamos, in Santa Barbara County, and contains about 35,000 acres. On it are found two of the greatest asphalt deposits in the world, estimated to contain 100,000,000 tons of crude asphalt. The refinery put up there has a capacity of 3,000 tons of crude per month.

The Sisquoc bituminous rock consists of fine quartz sand without organic impurity, and for this reason is practically adapted for the continuous extraction system employed here. The ore is fed through a hopper into three sets of rolls, where it is disintegrated, thence into a revolving drum, where it meets the solvent, which is 50° gas distillate. The waste sand is drawn off and the solution carrying the asphalt is pumped through twenty-six miles of pipe line to Alcatraz landing, the shipping point. At the Alcatraz plant the solvent is distilled off and pumped back to Sisquoc, and the the residual asphalt, which is 95 per cent pure, is put up in packages for shipment. For paving purposes it is mixed with a fixed proportion of sand.

PREPARATION.

In the preparation of crude asphalt for the market, it is fluxed by mixture with maltha or other liquid asphalt to reduce the consistency desired for the purpose for which it is to be used. After heating in a kettle the top is drawn off from time to time, and an asphalt of from 55 to 75 per cent purity is secured. The contents of the melting kettle are often allowed to settle in a second kettle, and the refuse is sometimes used for fuel.

The manufacture of asphalt from oil is simply distillation, taking off the light naphtha and similar products and leaving the asphalt. The formation of coke is carefully avoided by regulating the heat, and the presence of steam is necessary to prevent cracking or decomposition. The asphalt is the prime object of the distillation, there being about 25 to 30 per cent of asphalt in Los Angeles oil of 14 degrees to 16 degrees gravity, but incidentally there are produced two distillates, a 32 degree gravity distillate for stoves and a 22 degree distillate for general use.

Asphalt formerly was shipped in boxes but this has become obsolete, and barrels are now used exclusively. From Santa Barbara, Ventura and Los Angeles coast points the product is shipped by steamer at a cost of between three and four dollars a ton for freight. The freight rate by rail on refined asphaltum from McKittrick to San Francisco is $3.50 per ton, and from Santa Cruz to same point is $2 per ton. Asphaltum hauled from the Sunset Refinery of Jewett & Blodgett has been subjected to an additional charge of $4 per ton or $1 per barrel for teaming, but the railroad is about completed to that point. Oil asphalt in the San Francisco market brings $20 to $25 per ton; natural asphalt, 95 per cent pure, commands $30 to $35 per ton. These are mixed with from 80 to 85 per cent of sand for paving purposes. The use of asphalt for paving purposes is shown in the following specifications, furnished by courtesy of F. P. Smith of the Alcatraz Asphalt Paving Company of this city. This company recently put down three blocks of paving on Grant avenue in this city, using the binder courses of asphalt cement described in the specifications on a basalt foundation and the pavement is now firm, smooth and unbroken, in marked contrast with similar pavements on intersecting streets, which have proved soft and yielding. The cost of such a pavement is between $1 80 and $2 a square yard or between $3500 and $4000 per block.

Bituminous Rock Mine in Santa Cruz County.

SPECIFICATIONS.

Upon the foundation previously prepared and thoroughly swept free from all rubbish, shall be laid a binder course prepared as follows:

This binder course shall be composed of the following material:

1. Broken stone or gravel.
2. Asphaltic cement.

Clean hard broken stone one inch in its largest dimension shall be heated by passing through revolving heaters to a temperature not exceeding 200 degrees Fahr. Stone containing more than 10 per cent of particles exceeding 1¼ inches in their largest dimensions or more than 15 per cent of particles passing a ten mesh to the inch screen will be rejected.

Gravel of suitable size may be substituted for the broken stone at the discretion of the city engineer.

The asphalt cement is of suitable quality and consistency and after being heated to a temperature between 250 and 300 degrees Fahr. shall be thoroughly incorporated with the heated stone or gravel in a power mixer in such proportions that each particle of stone shall be thoroughly coated with a sufficient quantity of asphaltic cement to bind the particles of stone firmly together when the mass is laid upon the street and finally compressed. Not less than six pounds of asphaltic cement to the cubic foot of stone or gravel shall be used, and as much more as the character of the stone or gravel may require in order to procure the above described result after final compression.

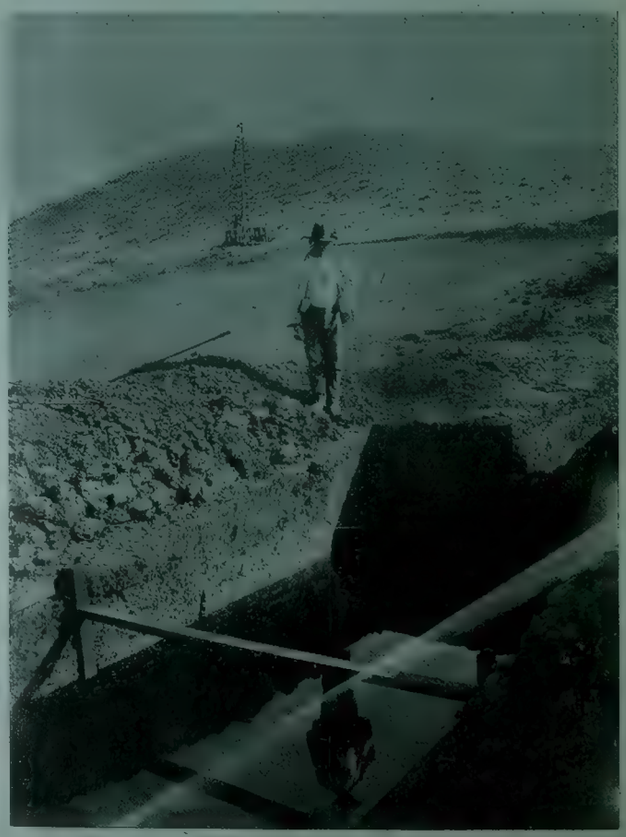
The binder mixture prepared as above shall be hauled to the street while still hot and carefully spread upon the foundation with hot iron rakes and shovels to such a depth that after having received its final compression it shall be at least one inch in thickness. It shall then be immediately rolled with a steam roller having an effective compressive weight of not less than 240 pounds to the inch, width of roller. This rolling shall be continued while the binder is in a hot plastic condition. Such portions of the binder course as it may be impossible to roll shall be thoroughly rammed with hot tampers. The upper surface of the binder course shall be made exactly parallel with the surface of the finished pavement, and the whole course when finished must be compact and the particles bound firmly together.

Upon the binder course prepared and laid as above described and thoroughly swept free from all rubbish shall be laid an asphalt wearing surface composed of the following material, and prepared as stated below.

This asphalt wearing surface shall be composed of the following materials:

1. Asphalt cement, 9 to 17 per cent by weight.
2. Sand, 86 to 65 per cent by weight.
3. Finely powdered carbonate of lime, granite, quartz or other suitable material, 5 to 18 per cent by weight.

The asphalt cement shall be prepared from a refined, natural, solid California asphalt mixed with a refined liquid California asphalt as described below, and shall contain not less than 85 per cent of bitumen, soluble in carbon



Open Cut Showing Deposit of Liquid Asphalt Near Surface in Kern County.

disulphide. It shall be of such temper and consistency as may be required to produce a suitable and lasting pavement and shall be heated to a temperature of 300 degrees Fahr. before adding it to the other materials used in making the asphalt wearing surface. In no case shall this asphaltic cement be heated above 325 degrees Fahr.

The asphalt used is manufactured wholly from natural solid California asphalt and must be free from a mixture with any residues obtained by the artificial distillation of coal, coal tar or petroleum oil. It must contain not less than 85 per cent of bitumen, soluble in carbon disulphide and not more than 4 per cent of non-bituminous organic matter, and the remaining 11 to 15 per cent of mineral matter must be of such fineness that all of it will pass a twenty mesh to the inch screen. It must be of even and uniform composition and when heated to a temperature of 300 degrees Fahr. for five hours must not lose more than 4 per cent in weight of vaporizable material. The bitumen contained in it must be of a permanent and cementitious nature suitable in all respects to make, upon proper admixture with refined liquid asphalt, a durable and satisfactory cement.

A highly cementitious liquid asphalt must be used properly refined so as to deprive it of all water and light oil. It must contain not less than 95 per cent of bitumen soluble in carbon disulphide and not less than 90 per cent thereof shall be soluble in 88 degrees naphtha. When heated to a temperature of 300 degrees Fahr. for five hours, it must not lose more than 5 per cent of vaporizable oils. Material which has been cracked in process of refining or which contains any admixture of paraffine or coal tar products will be rejected and shall not be allowed to enter into the composition of the asphalt-bearing surface.

The sand shall be clean, sharp, silicious sand and shall contain not more than 3 per cent loam, mica, clay or other earthy impurities. It must all pass an eight mesh to the inch screen.

Materials above described shall be prepared in the following manner: The sand shall be heated in suitable constructed revolving riers to a temperature between 300 degrees and 375 degrees Fahr. The hot sand and cold lime dust or other fine material shall then be thoroughly mixed together in a suitable power mixture. A quantity of asphaltic cement (previously heated to 300 degrees Fahr.) sufficient to produce a pavement containing not less than 9 per cent of bitumen soluble in carbon disulphide, shall then be added, and the whole mass be mixed until every particle of the sand and lime dust is thoroughly coated with a thin layer of asphaltic cement. The material so produced must leave the mixer at a temperature between 250 degrees and 325 degrees Fahr. and must be fine grained and capable of producing a compact pavement. Proper sand and sufficient asphalt cement and dust must be used in order to secure this result.

The surface mixture prepared as above shall be brought to the work in suitable carts or dump-wagons and shall not be colder than 250 degrees Fahr. or hotter than 325 degrees Fahr. when it reaches the street. It shall at once be uniformly spread over the binder course with hot shovels and hot iron rakes to such a depth that after receiving its ultimate compression the finished asphalt wearing surface shall be not less than two inches in thickness. After being spread the mixture shall at once be ironed and compressed with hot iron hand rollers, weighing at least 250 pounds to the foot run, and immediately followed by a steam roller having a compressive weight of not less than eighty-five pounds to the inch width of roller, after which a small amount of hydraulic cement or infusorial earth must be swept over the pavement and immediately followed by a second steam roller having an effective compressive weight of not less than 170 pounds to the inch width of roller. The rolling to be continued for not less than five hours for every one thousand square yards of surface: Such portions of the asphalt wearing surface as it may be impossible to roll shall be thoroughly rammed with hot tampers and smoothed with hot smoothing irons, care being taken not to burn the surface. The resulting pavement must show an even and smooth surface, true to grade and cross section, and free from all hollows and inequalities, and must be fine grained and thoroughly compressed. No traffic shall be allowed on the street until the pavement is thoroughly cooled and set. No binder or asphalt wearing surface shall be laid in rainy weather or when the foundation or binder is wet from rain or other cause.

Refinery Where Crude Oil Is Made Into Asphalt, Belonging to Jewett & Blodgett, Kern County.

Bituminous Rock Outcrop on the Southern Coast.

The demand for California asphalt is large and steadily increasing, as will be seen by the recent re-opening of the Carpenteria plant of the Alcatraz Asphalt Company, but the supply is largely in excess of the local demand. The California product competes actively with that of Trinidad and Bermudez in the cities of the Middle West like Chicago and St. Louis, and although some of the Eastern asphalt has been laid in Portland, comparatively speaking the Coast field is our own, and it is likely that familiarity with this, the finest of nature's paving material, firm, cohesive, and elastic, will result in greater demand and wider market for both oil and natural asphalts.

Another possibility opens for a large increase in the demand for crude. They are trying it as a mosquito killer down in New Jersey.

PACIFIC OIL REPORTER

Published Weekly

The Oil authority of the Pacific Coast

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, AUGUST 9, 1901.

THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

Dodges the Question.

The Chronicle, like most of the other city dailies, dodges the strike question. It tries to be friendly both with the employers and the employes, and seems afraid to put the blame on either side.

In this respect it is like the Call of to-day and the Call of years ago under the Fitch-Pickering regime. When the struggle over the new constitution was at its height one of the leading politicians went to Pickering and besought him to take a certain stand. Pickering promised to do so. So the next morning the politician anxiously scanned the Call editorial columns and found an article which ran about as follows:

> Voters should study with great care the merits of both sides, and on election day should, without fear or favor, cast their ballots on that side which they believe stands for honesty and the present and future welfare of this great commonwealth.

How was that for a straddle?

The Call to-day under Spreckels is as much of a straddler as it was under Pickering and Fitch, and the Chronicle is no better.

Listen to this emanation, assumingly from the Chronicle's managing editor. After speaking of the great injury the strike is inflicting in the mining and fruit industry it proceeds:

> Some one, or some few, are responsible for this fearful condition. When that responsibility is finally located those not in this city, but who suffer from the strike, will hold the authors of their calamity to a stern accounting. The cause of those who are finally adjudged to be in the wrong will have enemies created whose influence will be felt for years.

Why does not the Chronicle fix the "wrong" where it belongs? Why does it encourage the strikers by giving them a false idea of their power? Why does it practically encourage them to pursue a policy which may lose some of them them their lives, lead others into prison, bring poverty if not starvation upon hundreds of families, turn men out of positions and force them to seek odd jobs at distant points and at low wages? Why does it not bring statistics showing that over half of the men now on strike are striking simply because they are afraid to remain at work on account of the violence that may be done to them and their families?

Why does not the Chronicle and the other dailies show that the cause of this strike was not low wages and long hours, but was the desire of the strike leaders to compel the employers to submit to the tyranny of the unions?

Must the employer be compelled to hire only union men? Can his men be placed at work only on jobs that come from union houses? In other words, will the unions manage the business of this and other cities, or will the business men and manufacturers attend to it themselves?

The main cause of the trouble is that a few "labor agitators" have managed to stir up a rumpus in business and manufacturing circles.

They do not care who is hurt in the struggle—laborer or capitalist, or both. They are completely satisfied as long as they have succeeded in making trouble. Their chests fairly swell with pride. They turn a deaf ear to the cries of wives and little ones. They revel in suffering. The more the better. And the newspapers are aiding them all in their power.

San Francisco ought to be proud of its dailies.

Even John D. Spreckels is afraid to express what he thinks. Why? It might decrease the circulation of the Call.

Some one ought to "cave him down the bank."

A Baseless Attack

In its last issue the "Oil Era" of Los Angeles takes the California Petroleum Miners' Association to task because it sent a letter to a Los Angeles oil company stating that the Association had received inquiries concerning this particular company, which inquiries it could not answer as it had no knowledge of the company. Dr. Deane, the secretary of the Association, stated the Association would make an examination into the company's affairs so that it would be in a position to state of its own knowledge whether or no they were trustworthy and of a character to warrant the endorsement of the Association and the enrollment of the company on the membership list. The regular charge for examination and membership would be $10 entrance fee, and $25 yearly dues.

The "Oil Era" charges this letter with being an attempt to "hold up" the company and force it to pay a certain sum in order to have it well spoken of by the Association. It also charges the Association with being a scheme to wrest money from oil companies in order to benefit the members of the Association.

The "Oil Era" ought to know better than to make such a charge. The members of the Association are above any such suspicion. It is ridiculous to suppose that men like M. H. de Young, Gen. Gleaves, Dr. Deane, Arthur R. Briggs, Prof. Heald, W. A. Jacobs, etc., would form an association for the purpose of wheedling $35 out of oil companies for their own benefit. The Association was formed to protect the investing public against fake oil companies. No salaries are paid the officers, and the only expenses incurred are for rent, lawyers' fees for the examination of titles, etc., stenography, printing and the like. The aim is to secure reliable information concerning the various oil companies and limit membership in the Association to those companies which have passed successfully the most rigorous examination.

When the "Oil Era" goes out of its way to criticise the Association and those who compose it, it shows its own ignorance of the merits of the organization and the character of its directorate.

It is safe to say that the company which complained to the "Oil Era" about the letter it had received from the Association would not dare to have its affairs examined by the Association, for fear they could not stand the test.

Big Shipments.

Although field reports indicate that development work in the Kern River field is practically suspended except in the northwestern part of the field, where there is considerable new work in progress, and in the older parts of the field even the pumping has materially diminished, yet the figures for the month of July show a total of 1723 cars shipped, the largest amount shipped in any one month. This is equivalent to 258,450 barrels, about one-fourth of last year's product. The average is now sixty cars or 9,000 barrels daily.

Tampa Methods.

The citizens of Tampa, Florida, have been undergoing an experience with the gentlemen of the striking fraternity similar to that now being undergone in San Francisco.

After "arbitration" had no had no effect the citizens took the matter into their own hands and issued the following proclamation:

"To the anarchists and professional labor agitators: We say that your days in Tampa are at an end. We cannot and will not permit you to destroy this prosperous city. If you have regard for your safety you will shake its dust from your feet. In conclusion, we notify the manufacturers that this movement of citizens is not in their interest, but in the interest of the entire community."

The leaders of the strikers, foreigners mostly, were seized, placed in carriages between armed guards, and then hurried to a vessel which took them away from Tampa, never to return.

The example of the Tampa citizens can well be followed in San Francisco. If about fifty of the labor organization, presidents, secretaries, walking delegates and other professional labor agitators could be shipped down to Southern California or landed on some island the strike here would end as quickly as did that at Tampa.

Wouldn't fifty of these labor agitators make a nice collection of humanity? How harmonious would be their deliberations? How long would it be before some of them would inaugurate a strike?

Another esteemed contemporary, the "Oil Era" of Los Angeles, has found the grass too short in the oil fields to afford profitable grazing, and has discontinued publication under its present name. It will hereafter appear as Oil, Copper and Finance. We all know that finance is closely related to promoting oil companies, but fail to see how the copper makes connection. The paper might add other departments, such as a marriage bureau and a cure for one-lungers. These go well with oil.

A gallon of water will occupy a space of 231 cubic inches and weigh 8.33 pounds. A gallon of Eastern crude petroleum, of course, is of the same capacity but the average weight is 7.8 pounds. A barrel of crude oil of forty-two gallons thus weighs 326.76 pounds. The Beaumont oil of 23 gravity, according to the rates fixed by the railroads, weighs a little over 310 pounds. A barrel of refined oil usually contains fifty-two gallons.

THE OIL RATE CASE.

Hearing Before the Railroad Commissioners This Week.

After three days of testimony, the San Joaquin valley oil producers, represented by Attorney Frank H. Short of Fresno, completed their evidence Tuesday before the State Railroad Commission in support of their contention that the train rate on oil from Bakersfield to San Francisco should be reduced from 42 cents to 25 cents a barrel. Wednesday Chief Counsel William F. Herrin of the Southern Pacific company and Attorney Morton of the Santa Fe introduced the final evidence for the defense. At least a week's wait will ensue to permit the transcribing of something like 60,000 words of shorthand report into reading matter, and after that record of the evidence shall have been supplied to the lawyers a date late in this month or early in September will be set for the concluding arguments by the opposing legal representatives. It may be the middle or the end of September before Commissioners Edson, Laumeister and Blackstock will be able to render their decision.

Thus far in the case, even though the railroads have not begun their defense, the transportation companies seem to have an apparent advantage. None but railway officials, fuel experts, transportation managers and Los Angeles oil producers have been called upon to testify, and all of them have been manifestly railroad witnesses, who have not only combated the idea of reducing the rate, but have repeatedly argued from the witness chair in favor of the advisability of some organization among the valley oil men for the purpose of keeping the selling price at the wells up to about 60 cents a barrel instead of permitting it to be disposed of at the present unprofitable rate of 15 or 20 cents a barrel.

The witnesses called Tuesday in their order, were: William Sproule, freight traffic manager of the Pacific division of the Southern Pacific; A. D. Shepard, general freight agent of the Southern Pacific; W. A. Bissell, assistant traffic manager of the Santa Fe system; John Moss, assistant general freight and passenger agent of the San Francisco and San Joaquin Valley road; William H. Allen, Jr., president of the Los Angeles Oil Producers' Association; Captain A. W. Payson, vice-president of the San Francisco and San Joaquin Valley road and one of the officials of the Santa Fe, and Julius Kruttschnitt, general manager and fourth vice-president of the Southern Pacific.

The Santa Fe officials gave evidence to the effect mainly that the San Joaquin line from Bakersfield to San Francisco, including Point Richmond terminal, the ferry system and the San Francisco yards, had so far cost approximately a little more than $9,000,000, with improvements and additions still under way. Last year, ending June 30th, the Valley Road actually lost $45,000.

At the hearing before the Railroad Commissioners of the Fresno oil rate case, Mr. Sproule, freight traffic manager of the Southern Pacific, said on cross-examination that a carload of cattle would be worth $800 and the carload of oil is worth here about $1 a barrel. "We get double the rate per ton per mile on cattle," Mr. Sproule said, "than we do on oil."

Attorney Short asked for the rate on oil between Beaumont (Texas) and three points—New Orleans, San Antonio and El Paso. The reply was that the rate on petroleum from New Orleans to Beaumont, a distance of 278 miles, is $2.40 per ton, or five-eighth mills per ton per mile. Between San Antonio and Beaumont, a distance of 293 miles, the rate is $2 40 a ton or eight and one-eighth mills per ton per mile. From El Paso to Beaumont, 916 miles, the rate is $3.80, or 4 15-100 mills per ton per mile.

Sand, the witness said, is hauled from Kernville to San Francisco for $2.20 per ton, or 1 10-100 mills per ton per mile.

Attorney Short wanted to know which is the most expensive and difficult route to ship over Bakersfield to Los Angeles, or Bakersfield to San Francisco. Mr. Sproule said he believed that conditions favored to some extent the line between Bakersfield and this city.

Witness said the rate on oil from Los Angeles to San Francisco is 1 2-10 cents per gallon, or 51 4-10 cents per barrel, which is equal to 6 8-10 mills per mile. This rate had been made when the oil industry had been developed in Southern California, and in the face of water competition. Later on, when the Kern county wells were opened to producers, they wanted the same rate there, and they were granted it. Witness said the rate is not compensatory and he went on to explain how the company had in the Kern county fields, as well as elsewhere in the south, given every possible encouragement to the industry.

General Manager Krutschnitt followed Mr. Sproule in the witness chair, having been called mainly for the purpose of giving information regarding cost of constructing and operating the lines over which oil in California is carried.

Witness said the Kern or Oil City branch, about nine miles long, extending from the main line siding at Oil Spur to Oil City, cost $109,838. New rails and ties were used in the construction of this branch. The figures included the following items: Crossings, $5,489; track, material and labor, $58,500; ballasting, $3,765; turn tables, telegraph station, buildings and tanks, $15,910; fare and freights, $9,700; handcars, $1100; train service and train crews, $3975; from which was deducted $1576 earned for hauling some outside freight to points along the line of construction.

Mr. Kruttschnitt furnished much information relative to the running of trains through the valley the apparent purpose of which was to show that in the increase of the number of cars and trains as a result of increasing traffic, the expense of operating them decreased proportionately.

Mr. Sproule was recalled and read a tabulated statement showing the list of oil shipments in tons from the Coalinga and Kern county districts, beginning July, 1898, down to June, 1900. The Southern Pacific company handled, he showed, in the years 1898, 1899, and 1900 from the Kern river district the following quantities of oil:

In 1898-99, 56 tons, 1899-00, 5845 tons, 1901-01, 250,983 tons

At six barrels to the ton this would amount to 1,502,000 barrels. The bulk of the oil is shipped to San Francisco and vicinity. In May, 1901, 6,954 tons were shipped from all points to the Coalinga district. The heaviest month the railroad has had from all points in the Kern county district was 35,586 tons the witness said.

John L. Howland, a coal merchant of Oakland, testified as an expert.

"At what price per barrel may oil compete with coal in San Francisco?"

"That requires a qualifying answer. It would depend upon the kind of coal that is considered."

The witness then went into a discussion of coal and its values. Oil at $1 per barrel, he said, would make big business. He said the oil business had absorbed the most valuable fields for coal. He thought oil more economical than coal. He said the coal companies are finding it more and more difficult to be rid of their screenings by reason of the cheapness of oil for fuel.

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Red Bank Oil Co.	Union Oil Co.
Santa Maria Oil Co.	Petroleum Center Oil Co.
Seattle Kings County Oil Co.	Eastern Star Oil Co.
Heywood Oil Co.	Maid of Orleans Oil Co.
Indiana Oil Co.	Bernalillo Oil Co.
Oil Land Co.	Famoso Oil Co.

PICK OUT

To the experts, as well as to the would-be oil Information Bureaus pick out and send to this office the names of the above companies to which the following remarks apply. You will have until the 17th of August to mail your answer. Here are some of the best oil companies in America.

1. Three of the above named companies are fraudulent and have dishonest directories.
2. Another company claims to have $35,000 in the treasury, two wells drilling, is in a wholly unproven district, have 6,400 acres of land T. 16 N., R. 16 W., a first-class directory, much hot air and blue sky. Where is it?
3. Two others pay 50 per cent royalty.
4. Another one ranks in solidity next to the Standard Oil Co.
5. Another has "Fiscal Agents" that have damaged the western oil interests incalculably.
6. Still another that has seven-eighths promoter's stock, ample capital and a greater weekly oil production than the aggregate monthly output of the whole California oil field.
7. Another first-rate production, management and dividends.
8. Another that has made more monstrous misstatements in the briefest space than that of any other oil company's prospectus that was ever printed.
9. Another that has been "beared" on the exchanges for four months down to the death point. A Kern County company.
10. Another twenty-acre company finely located in Kern County, who claim (over their signature) that they have two wells with a daily output of 4,800 barrels.
11. Another that will give real estate security to share buyers, protecting against any loss whatsoever.
12. Another that is selling stock, $1,200,000 capitalization, claiming to own 1040 acres in Kern County that has no legal existence and is practically unknown.

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THE OIL SMELLER ABROAD.

How Farmers May Learn About Oil Locations.

P. Beck, a professional oil smeller, lives in one of the northern counties of this state, and occasionally takes a trip around the oil fields up Colusa way where he smells around a little, flourishes a twig of hazel or other mysterious plant, and then pronounces with great positiveness on the extent of the oil strata, their thickness and depth below the surface, all laid down with more accuracy than the most expert geologist would dare to assume. It is hardly necessary to state that all such representations are fraudulent in their very nature, and no one with the least pretension to knowledge or common sense would be deceived by them. A sample of "Professor" Beck's forecast on the Smith & Gorrill and adjoining territory on Sand creek runs as follows:

"I promised you a statement of my findings on my trip to Sulphur creek, the headquarters of the Chehalis Oil and Mining company. As I stated to you before, the lower stratum of oil sand gives out a little west of the wells bored on Sand creek. Another stratum is reached in Cortina valley at McClure's. It is 250 feet deep 460 feet from the surface, with a good artesian pressure with a good upper stratum. Two miles below at foot of grade, there is 380 feet of oil sand 480 feet below the surface. Near Jackson's, on grade, there is 540 feet of oil sand 560 feet below the surface. In Bear River valley, at several places, there is 400 feet oil sand at a depth, generally, of 400 feet.

At the Chehalis Oil and Mining company's land at well No. 1 it is 385 feet to oil sand; depth of oil sand 430 feet, with strong artesian pressure. I found places where the oil sand is from 400 to 820 feet deep.

At the sulphur creek, at Wilbur Springs, there is only 190 feet of oil sand at a depth of 440 feet, and at the town above, only 100 feet of oil sand.

Coming to Williams I found not many favorable locations, only sixteen feet of oil sand 500 feet down in the road opposite the derrick now used in boring west of Williams near the first mountains, while at Williams 400 feet of oil sand will be reached 630 from the surface."

Should the professional smeller's nose be true to the line, there would be some extraordinary developments in the way of oil sand found in this territory—for example he prophecies 400 feet of sand at a depth of 400 feet, and it is strange that this prolific belt was not struck by Smith & Gorrill at a depth of over 800 feet.

Not to be guilty of drawing it too mild the professor candidly states the maximum thickness of sand in this territory at 820 feet. It is likely that the development work now being done in Colusa will show this gentleman up soon in his true colors.

An Eastern smeller or bogus oil expert makes this frank statement about asphalt in petroleum:

"First—There never was a particle of asphaltum in petroleum oil.

"Second—There never was a petroleum oil without paraffine wax as a basis. Asphaltum is not the base of Texas or any other oil. It can be and it is an adulterant of and contaminator of Texas oil and has thereby destroyed the paraffine or solids of petroleum. In other words, the asphaltum, like a sponge, has absorbed the paraffine, the amalgamation can not be separated, but becomes part and parcel of the adulterant.

"I will explain just how this process occurs, so there need not be an ambiguity about this statement. It is a clean cut, ringing declaration that will neither take nor make any quibbling, and was one of the points in dispute that would have been illustrated or demonstrated had not Mr. Brule blocked my way by shutting the door on the proposed proof, making the adulteration occur this way. Asphaltum or bitumen, if you please, is always solid beds unless it comes in contact with and is dissolved or liquified by the action of petroleum.

"Be it understood that petroleum is one of the finest solvents for solid matter known to science, hence we have the law of partaking of surroundings, and the above disastrous results to Beaumont oil that should and would sell on even terms with the best Pennsylvania oil but for its bad surroundings described above. Beaumont oil, by being thus adulterated, sells for the small sum of 30 cents a barrel when it should bring at least $1.50 a barrel."

The only trouble with Texas oil, according to Mr. Watson, is that it got into bad company and absorbed too much asphalt. Its sulphurous characteristics were acquired in the same way. Originally pure and unadulterated, and the equal of the first-class product of Pennsylvania, it allowed its evil proclivities to get the better of it, and exercised its absorbent qualities upon the beds of asphalt and sulphur in its immediate vicinity. The result spelled ruin to the asphalt as well as the petroleum.

Mr. Watson absolutely refuses to give any theory in regard to the origin of petroleum. He thinks the subject entirely too profound, and only gives demonstrated facts as he knows them. He says, "there have been a great number who have given up deliverances on this subject who only put their foot in it when they attempt to do so.

LOS ANGELES PRODUCERS.

Form of Agreement Made with the Oil Storage Company.

Los Angeles producers have received the agreement which is to be signed between themselves and the Oil Storage and Transportation company of that city. It is summarized by the Herald as follows:

The producer agrees that he will deliver to the storage company all the oil he will produce from September 1, 1901, to September 1, 1906, from all wells he now owns or may hereafter own or control in the city or within three miles of the boundary of the city.

Oil delivered is to be practically free from sand and not contain more than ten per cent of water.

The oil is to be sold by the storage company, which agrees to accept the oil as fast as it can be produced on any day, Sundays and Saturdays excepted.

Payment is to be made for oil sold each month on the 15th of the succeeding month, payments to the producers to be in proportion to the amount of oil delivered to the storage company.

The storage company is to receive 5 per cent commission for handling the oil and marketing it, guaranteeing returns from all sales made.

A committee of the producers shall fix the price of oil each month or oftener.

The storage company collects 1 cent a barrel a month for all oil carried over without a sale.

If the tanks of the company, having a capacity of 175,000 barrels, should be filled, the company is relieved of the necessity of accepting any more oil.

Responsibility for damage from fire or accident to the oil stored rests with the producers, to be borne by them in proportion to the oil held by the individuals on storage.

The storage company will issue storage certificates for unsold balances at any time to any producer, the certificate being transferable.

No oil will be accepted which runs below 12½ degrees Beaume scale.

The storage company agrees that so long as the oil of the members of the association meets the requirements of the public, it will not buy from other producers oil of the gravity of the oil of the Los Angeles city field, the contract applying to oils from 12½ to 18 degrees.

Southern Stock Market.

The Los Angeles Stock Exchange has shown a little more life than usual the last week and contrary to expectations there was more trading than has been done on the board for a number of weeks past. There were no sensational features and prices generally remained about stationary. In one or two instances small advances were registered.

Reed Crude stands just about as it has for the past three weeks, 35 cents bid, 36½ to 38 cents asked. Westlake now brings out a bid of 8½ cents with 9½ cents asked. Columbia is considerably stronger. After a lapse of over a month, during which time no trading was done at all, Pacific Slope is again figuring in exchange business, seven thousand shares being sold at 3½ cents. A bid of 3¾ cents was unable to bring out any further offerings, the present asking price being 4½ to 5 cents. Globe seems to have checked its downward course at the 20 cent mark. Bids and offers on other stocks are so wide apart that trades are impossible. In fact this statement may be applied to the market generally.

The absence of buyers, the usual summer apathy, and the lack of effort on the part of brokers prevents anything like strong bidding, while on the part of stockholders there seems a disposition to withdraw their securities from the market until better prices can be obtained.

The petroleum situation is undoubtedly stronger than it has been in months. Dull stock trading will probably rule during the remainder of the summer, when better prices and livelier times may be expected.

Calistoga's Progress.

The well of the Calistoga Oil and Development company, north of Calistoga, has now reached a depth of nearly five hundred feet. The drill is still in a formation of blue clay; work is progressing rapidly, and this well should be completed at an early date.

Mr. Robert B. Todd, general manager of the Calistoga Oil and Development company, is at present in the Vallecitos district in San Benito county, superintending the operations of the company at that point. He reports the well on section 18, 17-12 to be in a formation of blue, sandy clay at a depth of about three hundred feet. A second shift has been put to work on this well and it will undoubtedly be completed by September 1st.

Cost of a Change.

The Mail and Express of New York says that the Southern Pacific company is about to issue from $10,000,000 to $15,000,000 of new bonds, to be used largely for making the change in motive power on the Texas and California lines from coal to oil, for construction pipe lines to transfer oil and for oil properties, which the company has acquired, or is about to acquire, in order to guarantee abundant supplies for years to come.

STANDARD'S POLICY.

Representatives Believe Oil Will Go Up.

The Pacific Coast Oil Company, otherwise the Standard, is pushing work as rapidly as possible on its tanks in Kern County. There are now fifteen tanks in the Kern River district nearly completed, and as soon as completed are filled with oil. This work is being pushed to completion as rapidly as the weather will permit. The hot weather is especially severe on the riveters, who are obliged to have their fires inside the tanks to heat their rivets, and the sun's heat absorbed by the tanks added to that of the furnaces has been stifling and made it very hard to keep the men at work.

As soon as these fifteen tanks are completed work will be begun on another fifteen tanks, which will give the Standard a storage capacity of 1,080,000 barrels in the Kern River district. Besides these the Standard has three at McKittrick, one at Fullerton, two at Los Angeles and two at Ventura. All these tanks average 36,000 barrels capacity. Besides these tanks in Southern California the company has large tankage capacity at the refinery in Alameda, and also has sufficient capacity to meet the local demand in San Francisco. The Pacific Coast Oil Company is purchasing oil to fill these tanks as rapidly as they are completed.

The present low price of oil has occasioned the work of finishing the tanks to be hurried as fast as possible, as the company does not believe that the prevailing rates will long continue.

W. S. Miller, the representative of the Standard Oil Company on the coast and one of the directors of the Pacific Coast Oil Company, stated to an OIL REPORTER representative that he believed and hoped that oil would soon increase in price. As far as the Standard Oil Company was concerned it did not believe in a policy that discouraged the producer, for the reason that it does not believe in "killing the goose that laid the golden egg."

Petroleum Production in 1900.

It appears from the official report of Mr. Oliphant that the industry proved profitable to all concerned, better prices being realized both for crude and the products than during the year preceding. The production was four and one-half million barrels in excess of the requirements for consumption, that being about the amount of increase in stocks held above ground.

The report shows that the total production of petroleum in the United States during the year 1900 was 63,362,704 barrels, valued at $75,752,691. These figures have never been exceeded in the history of the oil industry. Of the total amount, Ohio produced 22,362,730 barrels, West Virginia, 16,195,675 barrels; Pennsylvania 13,258,202 barrels Indiana, 4,871,[illegible]2 barrels California, 4,089,480 barrels and New York, 1,300,925 barrels. The production in the state of Texas during 1900 was 836,03[illegible] barrels, which will be enormously increased the present year as a result of the discovery of oil at Beaumont. Of the remaining oil producing states, Colorado and Kansas are the only ones of importance. A great deal of exploration has been done in Kentucky and Tennessee, but the amount of oil production developed is, as yet, not large.

More wells were drilled in the Pennsylvania and Trenton rock oil fields during 1900 than during any previous year in the history of the petroleum industry. The total number recorded is 14,583, which shows a gain of 1,215 wells, or more than 9 per cent, over 1899. Of the whole number completed in both these field 11,761 wells were productive and 2,822 proved to be dry holes or did not produce oil in paying quantities. There were 13,308 wells completed in 1899, and of this number 2,418 were dry holes. The percentage of unproductive wells in 1900 was twenty-four per cent, as compared with twenty-two and one-eighth per cent in 1899. In 1898 there were 1,786 wells completed, of which 1,539 were dry or unproductive, the dry wells amounting to twenty-one and one-half per cent of the total wells drilled, showing that the percentage of dry holes is increasing from year to year, due to the search for oil in new sections.

The value at the wells of the crude oil produced in 1900 is estimated at over $75,000,000. The average price of Pennsylvania oil was $1 35¼ per barrel, as compared with $1.31 in 1899, a gain of four and one-quarter cents per barrel. The general average of the price of Lima-Indiana petroleum was ninety-eight cents in 1900, as compared with seventy-one cents in 1899. The average price of Texas petroleum in 1900 was $1.04½ per barrel, as compared with seventy-one cents in 1899. The value of the crude petroleum produced in 1900 was over $11,000,000 greater than that of 1899 as compared with an increase of more than $20,000,000 in 1899 over 1898 amounting to over $31,000,000 increase in the two years.

The production of petroleum in foreign countries also appears to have been larger in 1900, the total amounting to about 86,000,000 barrels. The country showing the larger production was, of course, Russia, which produced the enormous amount of 77,230,561 barrels. Then follows Galicia, with a little over 2,000,000 barrels. It will surprise many that Sumatra is credited with only 1,520,000 barrels, the impression having been general, based on reports from abroad, that the production was far greater. Japan produced 1,110,720 barrels, while Canada is reported with only 625,650 barrels. From accounts heretofore printed in foreign papers the importance of some of these countries as producers of petroleum has been greatly overestimated, the tendency abroad being to exaggerate the extent of the fields and the output.

The total production of the world during the year 1900 may be stated in round numbers at 150,000,000 barrels, and as new sources of supply are constantly being discovered, while the other fields are being extended and their resources more fully developed, it is more than probable that the production will increase from year to year. The increasing use of fuel oil will tend to cause the rapid development of those regions where that grade of oil is found and the prospective importance of this can scarcely be gauged. While the United States stands second as to the quality of oil produced, the value of the product was far greater than was that of Russia.

Upon the Threshold.

The adoption of crude oil for fuel by the railroads and large manufacturing concerns in this State, as far as they are assured that a sufficient supply can be obtained, is evidence that crude petroleum will never be a drug upon the market. The Pacific Coast stands to-day upon the threshold of immense possibilities, and is being spurred on to greater activity by reason of Oriental possibilities that can scarcely be approximated. The use of fuel oil will enable our manufactories to compete in the markets of the Orient. A prominent writer and keen observer said, "the Pacific Ocean will one day carry the bulk of the commerce of the world," and the fuel of these great carriers of the deep will be crude petroleum. As an investment oil-mining offers to capital a very profitable and substantial channel from whence large profits can be derived, and in consequence capital has eagerly sought investments among those oil companies where the security of the principal is assured. This being the situation the question naturally arises how and where can investments be made.

California can boast of dozens of perfectly strong oil companies such as the San Joaquin, Monte Cristo, Peerless, Sterling and the Standard Consolidated Oil and Land Company. The last named company offers a very flattering inducement to investors, and stock can be purchased at present for a nominal price, which in a few months' time will probably be worth way above par The properties of the Standard Consolidated are rich and promising, and when fully developed will yield an abundant supply of crude petroleum.

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Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.
Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,
REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.
Dr. Taft Bros. Medicine Co.
Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease. Yours respectfully,
O. D. PHELPS, M. D.

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Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.
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PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

Driller Stowe lost a bit in the Harlan well last Saturday and came in and telephoned to the R. H. Herron company for a fishing tool. The implement arrived Wednesday and it took just twenty minutes to get the lost tool.

The Chehalis Oil company has begun drilling on its lands along Sulphur creek, and will push the work with the great energy it has shown since it was incorporated. The company will also run a tunnel to prospect a cinnabar lead which has been found on the property.

FRESNO.

Aetna No. 4 is being cleaned out.

Esperanza has not resumed operations as yet.

Santa Clara No. 2 is pulling seven and five-eighths casing. This hole is down over 1300 feet.

Merced hole has been straightened, is down 1100 feet in blue shale with fair prospects.

Sauer Dough No. 1 is in blue clay and will soon be in first sand—prospects being good for a well equal to those of the Caribou.

Mercantile Crude is running tower and work is going on smoothly under management of Superintendent J. W. Montgomery.

W. M. Thomas, of St. Paul Oil company informs us that his company will commence operations on 23, 20-14 by the first of September.

Maine State No. 3 is working in blue clay at a depth of 550 feet and will soon be in first sand. Eleven and five-eighth casing has been put down.

J. W. Livermore will soon move engine and tools from Producers' Guaranteed to the Fresno-San Francisco No. 1, which well he has contracted to put down.

Drilling was to be commenced on Double Eagle the first part of this month but so far nothing has been done further than the building of derrick.

Captain McClurg will superintend the work for the Zenith Oil company and will commence drilling a well in a few weeks for that company, which will be sunk to a depth of 2500 feet or more.

California Oil Fields (Limited) has struck oil in No. 1 and putting in first string of casing. Drilling on No. 2 and 3 is being pushed vigorously ahead and No. 4 will be ready for spudding next Monday.

Prospects for the hole that the Commercial is now putting down are not very encouraging, though this company has not given up as yet, but is putting in 7 inch drive pipe on account of heaving sand.

California Rock No. 2, which is down to first sand, has driven pipe down 950 feet. Work on this well has been suspended until another driller arrives, when tower will be run and work pushed until well is completed.

The Visalia Times described recently a new needle drill and machinery to run it invented by Mark Rowland and Milt Fesler of that city. The machine will drill for oil, and no casing will be used unless to keep out water or oil seepage. The first work of the outfit will be at a point west of Coalinga.

KERN.

The name of the Diamond Jubilee Oil company has been changed to the California State.

The Kern Crown in the Midway has suspended work for a few days.

York on 8, 29-28 will spud in next week and keep the drills going till several wells are completed.

Henrietta No. 3 is down 740 feet and has a showing equal to that of Nos. 1 and 2 at the same depths.

Aztec, Central Point and Senator companies are shipping between 2000 and 3000 barrels of oil daily from Kern River.

The "19" of Fresno has shut down awaiting the arrival of 8-inch drive pipe, which will be on the ground this week.

McKittrick has about completed arrangements for work on No. 3 and will probably be spudding in by the first of the week.

The Oil Land company has purchased a carload of eight-inch drive pipe and will start sinking a hole on section 11, 29-21 within a few days.

Dr. Briggs of Pasadena has been in Bakersfield, arranging for the Perseus Oil company to begin drilling on 29, 28-28.

The A. W. Barrett company on Sunset will start its fourth well in two weeks. R. L. Peeler of the company is here arranging to begin operations.

The Maricopa's new well in 22 in the Midway really starts a new district. The company is about to sink a new well at Superior.

Provident on 25, 28-27, is nearing the finish on its first well. The drill is in over 1100 feet and has gone through a good depth of sand.

Eastern Star has sold to Potomac the E 1-2 of the SW 1-4 of the NE 1-4 of 29, 28-28, comprising 20 acres. The consideration was $70,000.

Bear Flag's two wells are on the pump on 31, 28-28 and are doing fine. The Bear Flag is one of the charter companies of the twelve in the new combine.

The Oil Land Company in McKittrick, 14, 21-21, will complete its well as soon as possible, and has the men on the ground to do it. The well is down 930 feet.

everal companies which were working vigorously in the Midway field a few weeks since, have been forced to suspend operations on account of the extreme heat.

Milton McWhorter is in Bakersfield from the north. It is understood that his visit is for the purpose of inspecting the refinery plans for Port Costa that are being drawn by H. T. Austin.

Del Rey No. 4 is in the oil sand with the 11 5-8 casing and those in charge hope to complete a good well with the next string. The first three wells completed are all excellent producers.

The Midway pipe line of Chanslor & Canfield is being constructed as rapidly as possible and is expected to be ready to supply the field with water early in the autumn, when active work will be resumed.

The Oregon-Midway's wells Nos. 3 and 4 will be good producers. The company has encountered the oil sand in quantities near the 950 foot level and is much encouraged. It has been running two shifts on each of its wells for several weeks.

Dixon on 23, 32-23, will be drilled to a greater depth. The driller's contract was completed at 1002 feet and the company will finish up the well. Considerable oil sand has been penetrated, and those interested are encouraged with prospects.

The Illinois Crude, section 32, 28-28, began spudding Wednesday afternoon. About ten days ago the land was purchased from the Claremont and since that time the field houses have been built, the derrick erected and the rig installed.

Work on Tim Spellacy's lease of the Fox property will not be pushed as fast as it has been, owing to the lack of water on the property, but as soon as the pipe line of the Chanslor & Canfield camps is completed into the district, the work will be resumed.

The Jacalitas Oil company has bought the old Falcon lease on the Chicago Crude property on the northwest of 30, 28-28, and one well completed has been made ready to put on the pump. This company is making arrangements to put down another well.

New York-California has at last succeeded in dragging the casing from its well where the oil stands 500 feet in the hole. It is said the company will not put the well on the pump until it has finished drilling another well for which it has made arrangements to spud in at once.

A company to be known as the York has purchased of the Grace ten acres of land on 9, 28-28. By the acquisition of the property on the west half of the section, York is clearly in the oil producing territory, as Grace has a good well to the east of the purchase.

Sunset Center has decided to abandon the idea of obtaining oil from its hole in which it recently struck a large flow of water, on 10, 11-24. The well is producing 300 barrels of good boiler water, which is a valuable acquisition in the Sunset field.

Great Northern, a company composed of Seattle capitalists, will obtain property in the various fields of Kern. The company has the refusal of several valuable holdings and it is understood that it will soon complete pending deals in order that it may begin development work early in the fall.

Monte Cristo has another gusher. A day or two ago, as the casing was being lowered in hole No. 16, the well began spouting at the rate of about 700 barrels a day, and the flow has not ceased, but on the contrary is increasing. This well is located on 5, 29-28, and is but a short distance from the company's other producers. The company believes this well will be as good as the old gusher, which has in three months produced 70,000 barrels of oil.

Hart Crude is going ahead with development work on 36, 27-27. Well No. 1 is down 850 feet and No. 2 300 feet. The rig for No. 3 will be started up as soon as No. 1 is completed. This company, though it is considered by some to be without the oil-bearing territory, has confidence in its holdings and is determined to bring in a producing well equal to those on 36 on the east and north.

According to authenticated report Kern Sunset will have as good a well as can be found on 1, 11-24 at the 1000-foot level. The drill is working in the sixth stratum of oil sand, which is by far the richest encountered. The completion of a good well by Kern Sunset will prove up quite a strip of territory to the north of the Lion and to the east of the Arcola and Occidental wells.

Rapid progress is being made on the new road to connect Kern City with the oil fields across the river. After the grading has been finished, the men will start at the work of building a bridge across the river and then work will be commenced on the north side. Supervisor Shaffer says with regard to a recent criticism from the northern part of the county that he will begin work on the roads up Delano way this fall.

Mecca No. 1 landed its 9 5-8 casing and finished drilling last week at 1010 feet with indications of a good producer equal to any brought in from the northwestern part of the Kern river field. The field is gradually broadening out toward the northwest and many good wells have been completed in this part of the field. Wisconsin, Century and Petroleum Center on 24, west of the Mecca, have wells producing great quantities of oil.

Chanslor & Canfield's well No. 8 on 29, 28-28 is producing a large quantity of oil and water combined. The weight of the casing, which was landed on a thin stratum of clay, broke through the layer and allowed the water to enter the pipe. The product of the well is being pumped into a large reservoir and the water drawn off through a tap, leaving the oil in the tank. The well produces daily about 120 barrels of oil and six or seven hundred barrels of water.

The Sunset railway camp is on the west side of the levee and work is going on grading the final section to Hazleton. Beginning this week the company will carry passengers on the work trains, starting in the morning and returning at night, making close connection with the stages. The depot and grounds of the company at Sunset will occupy the present grounds of the town of Hazleton and the postoffice, the present town being moved bodily to make room for the much-desired railway.

Eastern Star, Diamond Star and Central Star have been merged into one corporation and henceforth will be known as the Potomac Oil company. The capital stock of the new company is $2,850,000, or as much as the combined capitalization of the Star combination. The property of Eastern Star, or rather a twenty-acre tract of its holdings, is located in the Kern river and has four or five completed wells. An air compressor plant is installed on the ground and is doing good service at landing the oil on the surface.

So eager is Standard to have its tanks in the Kern fields completed that it has been giving its laborers seven day's pay for six days' work. The company is preparing to erect six new tanks near Oil Junction. The motive it has for hurrying the work along is not understood by the producers, but according to the Bakersfield Californian it is evident, from the speed with which the large storage reservoirs are constructed and filled, that there is something in the wind not in harmony with the wishes of the local companies.

The Echo of Bakersfield reports on what it says is good authority that the Standard has advanced the price for oil in the local field 2 1-2 cents per barrel, and is anxious to make deals on the new basis. Even with this raise it is not very probable that there will be much of an increase in sales of the product, but it is very good proof that the tendency of the market is upward and that prices will be higher later on. The suspension of active development work by many of the larger companies and the refusal to make contracts at low figures has improved the general tone of the market. Of course there is a wide opportunity for the producers to make a still greater improvement in the line of profits from the produce of their wells, but this will not come about until they (the producers) get into line, stand pat and refuse to sell at less than profitable figures.

LOS ANGELES.

The discovery of oil sand, or what is supposed to be oil sand, near Signal

Long Beach, has again raised the hopes that that town is to be an oil producer.

The Union Oil company is connecting its wells on the Sansinena ranch with the pipe line.

Contractor C. O. Kiser, who is putting down well No. 2 for the El Moro Oil company has made over 500 feet of hole and progress is good.

The Whittier Crude Oil company put well No. 1, which it has been deepening, on the pump Monday. Good progress is being made on No. 5, the other drilling well.

The Whittier-Fillmore Oil company, which recently purchased the Tubbs & Evans property, has a derrick up, and will begin spudding the first of the week.

The East Whittier Oil company has succeeded in straightening the hole on No. 2, and has a string of nine and five-eighths casing down over 1000 feet. The seven and five-eighths was put in this week and good progress is being made.

The Home Oil company has completed the derrick for No. 13 which is located just southwest of No. 12, the latest completed well. Drilling will not begin, however, until a crew can be transferred from either No. 10 or 6, which are now being deepened.

Superintendent Isaac Collins of the Warner Oil company has the derrick for well No. 6 completed. Mr. Collins has made a contract for a well with William and Grant Babbitt to be drilled on the property which he and President G. C. Warner recently leased in the La Habra valley. The well will be put down on the ranch of W. J. Hole.

Yesterday afternoon 362 wells had been signed up for the Los Angeles Oil Producers' Association, being wells for which individuals could take action. Other companies will require time for the boards of directors to formally enter the association. The promoters of the association movement are well satisfied with the progress being made.

The Central Oil company's new well, No. 28, is proving to be one of the best in the field. The well, which has been in progress of drilling for nearly a year, started off last week at 300 barrels a day, and is holding up in the vicinity of these figures remarkably well. The oil is light gravity, about 22, and the production will make a material addition to the output from the Whittier field.

MARIN.

Bolinas Bay Oil is down 1530 feet with five and five-eighths casing. There is considerable oil seeping from the shale, but the oil sand has not yet been struck.

SOLANO.

The string of drive casing ordered by the Rochester company arrived last week and the work of putting it down commenced. W. E. Marley has charge of the work and if he is successful in the landing of the casing the company stands an excellent chance of striking oil. There is a heavy flow of gas in the well.

In the Vacaville well, after reaching a depth of 1300 feet it was found necessary to under-ream the hard strata of rock through which the drill had passed, and in performing this work the under-reamer and the drill attached were lost in the well. The work of fishing for the tools has been in progress and if they are not recovered the well will have to be abandoned.

Considerable progress was made in the Armijo oil well last week. A depth of 758 feet was reached last Saturday when work had to be stopped on account of caving caused by water in the well. The largest flow of gas yet encountered was struck on that day and there was oil in evidence. The string of 7 5-8 casing ordered has not yet arrived and work has been at a stand still on that account. The drill has passed entirely out of the hard strata mentioned in our last report and is now in a dark blue shale

SAN BENITO.

As yet the Esmeralda has not done anything on their property.

It is being rumored that the Santa Maria company intend putting in a Standard rig.

The Calistoga well is now down 165 feet, and owing to the soft nature of the formation, which is blue shale, they are making rapid progress.

The World Oil company of Panoche, since recovering their tools have placed two first class drillers in charge of their work, and are now working night and day.

The Riley Oil company will begin hauling in their machinery for a rig some time in the near future to operate on section 8, township 17 south, range 11 east, M. D. M.

Having had some trouble with their first well, which was down 425 feet, the Ashurst Oil company has moved their rig about twenty feet further north and started a new hole which is now down 200 feet.

The Vallecitos Water company, having completed their water line and having made connections with the Hamiltonian and La Primera companies' rigs the same commenced drilling on Monday, the 29th inst.

KERN.

The Panorama, on 14, 29-28, south of the river struck oil at 1185 feet. This opens up a wide scope of oil territory.

Moneta begun spudding on its second well on the southeast quarter of section 30 Saturday afternoon. Well No. 1 which was reported as having such a large capacity was pumping more water than oil. The water has now, however been cased off and it is expected that within the next ten days the pump will again be set in motion. It is thought the production of the well will be very large.

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San Francisco, Cal.

Big Oil Sale.

A big sale of oil or rather a contract for the delivery of a large amount of oil s reported from the Peerless Oil company.

Hon. J. M. Wright, the president of the company, will not give the details as to the price which will be paid for the oil nor the names of the party or corporation which has agreed to purchase the oil. Said Mr. Wright yesterday:

"We have just signed a contract by which we agree to deliver to the Hawaiian Islands 4,000,000 barrels of crude oil within the next five years. I cannot tell what price we receive for the oil as that would be giving away our hand, neither can I say how the oil will be delivered—whether by tank steamer or otherwise. The contract has been made and signed and the deliveries will commence this fall."

It will require the output of twenty-two wells averaging 100 barrels a day to fill this contract alone. Besides this contract the Peerless has other valuable contracts which will keep them busy drilling, putting up tanks, pumping plants, etc., for some months. The company has 164 acres of proven oil land in 21, 28-28 which will easily go one if not two wells to the acre. The company will soon be paying handsome dividends.

Annual Meeting.

Notice is hereby given that the annual meeting of the stockholders of the Leased Land Oil company will be held in the office of the company, room 22, 212 Sansome Street, San Francisco, Cal., on Wednesday, August 14, 1901, at 2 o'clock P. M., for the purpose of electing a board of directors to serve for the ensuing year, and the transaction of such other business as may properly come before the meeting.

The transfer books will close on Wednesday, August 7, 1901, at 2 P. M.

JAMES CLEMENT, Secretary.
San Francisco, July 26, 1901.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, August 7:

BEAR FLAG.		
300 at	05	15 00
500 at	04	20 00
CARIBOU.		
100 at	90	90 00
CALIFORNIA STANDARD.		
300 at	21	63 00
500 at	20	100 00
1400 at	22	308 00
1500 at	23	345 00
CENTRAL PT. CON.		
100 at	1 60	160 00
FOUR OIL.		
50 at	38	19 00
HANFORD.		
3 at	98 00	294 00
HOME OIL.		
100 at	2 15	215 00
100 at	2 17½	217 50
150 at	2 25	337 50
50 at	2 30	115 00
INDEPENDENCE		
1000 at	10	100 00
JUNCTION.		
1400 at	11	154 00
19700 at	10	1970 00
1200 at	09	108 00
500 at	08	40 00
LION.		
1600 at	08	128 00
400 at	07	28 00
MONARCH OF ARIZONA.		
200 at	21	42 00
1100 at	20	220 00
MONTE CRISTO.		
200 at	1 57½	315 00
300 at	1 60	480 00
OCCIDENTAL OF W. VA.		
200 at	34	68 00
100 at	30	30 00
50 at	32	16 00
OIL CITY PETROLEUM.		
200 at	26	52 00
PETROLEUM CENTER.		
100 at	01	1 00
500 at	02	10 00
PEERLESS.		
360 at	5 50	1980 00
150 at	5 25	787 50
300(B90)at	5 87½	1762 50
100(B60)at	5 87½	587 50
100(B90)at	6 00	600 00
100(B90)at	6 25	625 00
50 (B60) at	5 75	287 50
SAN JOAQUIN.		
20 at	7 75	155 00
50 at	7 62½	381 25
5¾ at	7 12½	41 00
5 at	7 50	37 50
SOVEREIGN.		
50 at	30	15 00
300 at	31	93 00
400(B30)at	32	128 00
150(B30)at	31	465 00
200 at	30	60 00
300 at	27	81 00
STERLING.		
100 at	1 22½	122 50
100(B60)at	1 25	125 00
TWENTY-EIGHT		
850 at	1 30	1105 00
100 at	1 32½	132 50
Shares	37,693¾	Amount $15,632.75

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STOCK NON-ASSESSABLE
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FOR SALE **CHEAP.**

SUITABLE FOR WATER OR OIL.
Apply 308 Sacramento street.
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WANTED.

A good second-hand Standard Rig. Address:

FLASHLIGHT OIL CO.,
23 Columbian Bldg., S. F.

FOR SALE CHEAP.—A good Standard Drilling rig with two strings of tools. Wagons, galvanized wagon tanks, second-hand 9⅝ and 7⅝ casing. Lot of good lumber, dishes, stoves, etc. Everything in good order.
Box 77, McKittrick, Cal.

WANTED.—I desire to purchase 40 or 50 acres of land in oil section near Bakersfield close to railroad. Give price. Describe property.
FINANCIER, Box 595, San Jose, Cal.

Refining California Petroleum.

The completion of additions to the Sunset Oil Refining company's refinery near Los Angeles, under the management of J. A. Dubbs, of Pittsburg, gives to California its first refinery of a modern capacity. It is capable of refining 2,000 barrels of crude oil a day, and the company has not only placed asphaltum, stove oil and distillates on the market, but is producing a water white illuminating oil which, it is claimed, is free from the smoke making elements which have prevented the successful refining of illuminating oil from California crude in the past.

A correspondent of the Oil Review writes that efforts to produce illuminating oil in California dates back almost as far as in Pennsylvania, early in the '60s crude oil produced in Pico canyon having been put through a still for that purpose. Later the Union Oil company, Pacific Coast Oil company and Puente Oil company each established a refinery and brought from the East expert refiners and chemists, who have worked for years over the problem of producing a high grade illuminating oil, but in each case the efforts have admittedly fallen somewhat short of the deal aimed at. This has led each of the three companies to dispose of their product to be mixed with Eastern oil before being retailed, the mixture giving fairly satisfactory service. If the results of Mr. Dubbs' efforts are found to be as satisfactory as claimed, the achievement is especially notable, for his first object is the production of asphaltum, and he consequently uses the heavier oils for refining. The Union, Pacific Coast and Puente companies have used oils ranging from 20 to 35 degrees B., while the Sunset company's refinery uses crude running from 12 to 18 degrees B. The best oils in California produce but 35 per cent of gasoline and illuminating oil, and the heavier oils hardly produce half the quantity.

It is also claimed that a Cleveland refiner has been experimenting with the oils of Texas and California, and has devised a process so satisfactory that he is now planning the building of a refinery in California; while several other refineries, designed especially for the production of asphalt, are being planned.

Of how great value the discoveries in refining are it will take time to determine, but the efforts now being made in various sections indicate a wide belief that refining of the product is held by many people to be an important element in solving the oil marketing problem of California.

The production of the Los Angeles field has stood for four years at about 100,000 barrels a month, and it is therefore evident that a refinery which found its capacity of 1,000 barrels a day inadequate to meet the demand and has increased its capacity to 2,000 barrels a day, is an important factor, while the several smaller factories about Los Angeles are combining to consume a very large percentage of the southern fields, and were it not for the Kern county fields the increased production in the south would not meet the increased demand.

An illustration of the spread of the use of fuel oil is its adoption for power and evaporating purposes by the copper smelters in Shasta county, some 700 miles by rail from the place of production, the consumption at one smelter being about 200 barrels a day. Arizona mines are also making increasing levies on California oil fields, while the Secretary of the Treasury has just issued permits for the use of fuel oil on some of the ferryboats on San Francisco Bay.

As a direct result of the new fuel, several new factories are promised Los Angeles, among others being a large copper refinery and wire pulling plant, which will manufacture from the copper matte produced in California and Arizona electric wire and appliances, at a great saving in freight, the matte now being shipped to New Jersey to be refined and manufactured, and thence, in large part, reshipped to the West, or from this coast to the Orient, the Pacific Islands and Central and South America.

A Clever Toolie's Reward.

The cleaning of the Rio Bravo hole on section 8, 29-28, which was accomplished a few days ago, has brought forth a considerable amount of favorable comment. According to the Californian, the driller in charge of the well had tried for three weeks to clear the hole but was finally obliged to give up the idea and was of the opinion that it could not be done. One of the toolies by the name of Collen Havel was, however, of adverse opinion and decided to undertake the job.

A spud was first used to drive the sand down in order that the rope socket in the end of the tools could be got at. By the use of a horn socket, which was filled with soap, he took an impression of the upper end of the tools together with its size. A slip socket was then lowered into the hole, the string was grappled and after a good deal of work succeeded in jarring it loose and raising it to the surface. Mr. Havel then walked to the office of the company and received his $700, which was offered to the successful person, together with the tools and a box of cigars. He was also given a position as driller for the Rio Bravo at a salary of $7 a day.

Water Boiler Tube Cleaner.

The Atlas Pipe Wrench Company of New York and San Francisco, manufacturers of the Atlas pipe wrench, have a new specialty — the Atlas tube cleaner for water boilers. The tube cleaner is in use among the largest plants in San Francisco, as well as in Honolulu and different parts of the United States, and has received the indorsement of some of the best-known engineers in the United States. A large quantity of the Atlas water boiler tube cleaners are now being manufactured and in the course of the next thirty days deliveries can be made from the New York office. The San Francisco office can deliver a few 4-inch, 3½-inch and 3¼-inch tube cleaners.

The above cleaner can be used on Sterling water tube boilers having a crooked tube. An electro of the cleaner is shown above and will prove of great interest to all engineers whose boilers are affected by scale.

In a recent test of the 4-inch cleaner a tube 18 feet long in a boiler of the New York Life Insurance Company in New York City, with scale part of the way one quarter of an inch thick, was cleaned in five minutes.

What They Believe in Texas.

Down in Texas they believe any old thing. Look at this:

The Providence (R. I.) Journal attaches but little weight to estimated capacities of petroleum wells, but likes the proof, plain to the eyes of every person on the ground, when a gusher in the Beaumont field between sunrise and sunset actually filled a tank that holds 37,500 barrels. The Journal is satisfied that for a full day of twenty-four hours 100,000 barrels would be produced. At that rate the capacity of that well alone is 36,500,000 barrels a year, and that is only one of sixteen gushers already developed in the Beaumont field.—Beaumont Daily Journal.

The Derrick adds that it is only necessary to multiply 36,500,000 by 16 to have an annual production of 584,000,000 barrels of oil from the new Texas oil fields without drilling another well But at eight wells to the acre it is possible to drill 1,600 wells on the 200 acres on top of Spindle Top Heights, and then there will be a production of a hundred times this amount, or 58,400,000,000 barrels in the course of a year. Who is going to build the tanks to hold all this oil, or where is it going to be sold or consumed?

The total production of all the oil fields in the United States since Colonel Drake's discovery on Oil Creek in 1859 is only a little over 1,000,000,000 barrels, yet Texas alone is going to increase this 58 times from a plot of territory less than half a mile square. Truly figures won't lie, but the liars will continue to figure.

It doesn't take very much to convince the credulous editors of the Beaumont papers to believe almost anything. Some of their deductions will make highly amusing reading next January.

Oil Companies Incorporated.

Mission Transportation and Refining company. Principal place of business, Los Angeles. Directors: T R Bard, D T Perkins, L Stewart, W L Stewart, F H Rindage, W F Botsford and J S Torrence. Capital stock, $2,500,000; subscribed, $700.

Colusa Gas and Electric company. Principal place of business, San Francisco. Directors: J Martin, F H Pierson, H U Roeding, H R Noack and W R Pierson. Capital stock, $100,000; subscribed, $500.

Star Oil company of West Virginia. Principal place of business, San Jose. Directors: C M Shortridge, W H Christmas, T C Barnett, Clara Foltz and Julia A Bettys. Capital stock, $600,000; subscribed, $125.

SECOND-HAND half-inch steel sand-pump line 1400 feet long for sale cheap. Addreas NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland. or F. CHAPELLET, 214 Pine Street, San Francisco.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO.

Capital.............................. $500,000
200,000 shares at $2.50.

Location: 160 acres in Sunset district, Kern county.

Officers and Directors—O B Burns, president; Wm E Stevens, vice-president, F J Brugiere, secretary and treasurer: Samuel Hubbard, J F McCarthy, G G Kenny.

Office: 807 Claus Spreckels building, San Francisco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000 Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28 Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president: G. B. Hoagland, M. D., vice-president, R F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street. San Francisco, Cal.

CYGNET PETROLEUM CO.

Capital....................................$150,000
50,000 shares at $3.

Location—Fresno county.

Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.

Office—561 Parrott Building.

Tel.—South 184.

CARIBOU OIL MINING COMPANY.

Capital....................................$100,000
100,000 shares at $1.00.

130 acres in the Coalinga district, Fresno county.

Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.

Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.

Capital.............................$1,000,000
1,000,000 shares at $1.00.

Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota

Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.

Pacific States Mining & Investment Company, fiscal agents.

Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.

Incorporated.

McKittrick district. 16 completed wells; 110 acres proven ground.

Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers--John P Albro, President; A J Munton, Vice-president; T. A, Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.

Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.

Capital.............................. $200,000
200,000 shares at $1,

Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.

Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.

Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.

Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND

Capital....................................$250,000
250,000 shares at $1
125,000 shares of treasury stock,

Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.

Officers, B F Arnold, President, Geo A Gray Secretary.

Office, 476 Tenth street, Oakland,

GRAND PACIFIC OIL CO.

Capital.............................. $1,5000.00
1,500,000 shares at $1 each.

Location: 160 acres in Sunset district, Kern county; 160 acres in MKcittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.

Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.

Office: Rooms 412, 413, 414 Parrott Building, San Francisco.

T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL LAND AND DEV. CO.

Capital.............................. $[illegible]
par value $2.

Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.

Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.

Crocker-Woolworth National Bank, depository

Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO

Capital .... $[illegible]
[illegible] shares at $1

Location NW¼ Sec. 15 Twp 23 S R 18 E Kings county, 160 acres in Kettleman Hills district

Officers—Chas C Crowley president, [illegible] vice-president, Frank C Fakens secretary and treasurer; Frank P Kelly attorney, [illegible] Nelson, D Holland, Wm J O Connor. Depository Union Trust Co.

San Francisco office—Room 608 Examiner Bldg

Member of the California Petroleum Miners Association

LION OIL COMPANY Incorporated under the laws of Arizona. Capital $[illegible]. Number of shares [illegible]. Land [illegible] acres in Sunset, Kern and Temblor districts. Directors: Dr A S Cook, M F Cochrane, D S Stanley, F F Weed, T M Gardiner, I J Truman Jr, F J Betts. Officers: Dr A S Cook president, M F Cochrane first vice president, D S Stanley second vice president, F F Weed secretary, T M Gardiner, treasurer. Office 927 Market street (Emma Spreckels building), Room 316, San Francisco

LINCOLN OIL COMPANY

Capital .... $[illegible]

Number of shares 200,000 All stock non assessable Incorporated Sept 20, [illegible]

Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district Kern county, with our own Standard rig.

Officers, Irwin D. Martin, president, J. H. Edson secretary and manager

Directors, Amos Seaman, R T McGinnis, Irwin D Martin, M A. Edson, John S Wash, A L Todd, Jennie Ralston

Office, Rooms 509-510 Central Bank Building, Oakland Cala.

MONTEREY OIL DEVELOPMENT CO.

Capital..............................$1,000,000
1,000,000 shares at $1 each.

Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres, Monterey county oil belt, 4280 acres.

Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary, D J Boughton treasurer; Bank of Monterey, depository Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.

Capital stock 600,000 shares ....par value, $1.00.

Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C E Hailstone, secretary; T L Moran, manager; Kern Valley Bank, Cal. Depository.

M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA

Capital stock, 600,000 shares....par value, $1.00

Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.

Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY

Capital..............................$600,000
600,000 shares par value $1.00 each.

Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district

Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.

Farmers and Merchants Banks, depository.

Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE

Capital..............................$500,000
500,000 shares, par value, $1.

Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.

Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.

Brant and Brown, attorneys.

Office: Room 1, 85 S First st., San Jose, Cal.

San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.

Incorporated under the laws of the state of Arizona, October 3, 1900.

Capital stock, 200,000 shares, valued at $1 per share, or $200,000.

Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.

Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.

Depository: First National Bank of San Francisco.

Safe Deposit Vaults, Union Trust company, San Francisco, Cal.

Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.

Capital..............................$300,000
Treasury stock..............................$150,000

Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.

Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.

Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal

THE RAVEN OIL COMPANY, Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.

San Francisco office—Hon. Jonn R Aitken, Clunie building, 503 California street.

TESONA PETROLEUM COMPANY

Capital .... $[illegible]
[illegible] shares at $1.00

Incorporated under the laws of California

Location [illegible] acres Midway district, Kern county leased from Bay City, being 80 acres in N ½ of NW ¼ section 22, [illegible], and 80 acres S ½ of SW ¼ section [illegible] 32-23. Officers Geo W Turner, President; George R Hanslow Vice-president; [illegible] Sewell Secretary and Treasurer; H W Merritt, [illegible] H Dean, W W Hutchinson, M[illegible] Samuels Attorneys, W R Stammers Manager. Union Trust Company Depository. Office [illegible] Safe Deposit Building San Francisco, Cal

U. S OIL AND MINING CO

Capital $300,000
Par value $1 per share

Location [illegible] acres in Kern River District, [illegible] acres in section [illegible], Sunset district near Blodgett & Jewett wells, [illegible] acres in section [illegible] near Monarch, adjoining Jewett Blodgett & Beal gusher. L M Underwood, president, F Ketelhut secretary

Office—[illegible] 19th street, Bakersfield Cal.

WESTERN OIL ASSOCIATION

Capital $1,000,000
1,000,000 shares par value $1 each

Organized under the laws of South Dakota

This is our property—2,[illegible] acres, Kern county 131 acres, San Diego county 320 acres, Glenn county 800 acres, Tehama county 3800 acres, San Benito county, 190 acres, Monterey county 800 acres, Fresno county 400 acres, Humboldt county—1691 acres

Officers and Directors—J F Harris, president, Irwin D Martin, vice-president, R K Roberts, secretary, Union Trust company, treasurer, W E Robinson, Springfield Ill., Irvin D Martin Oakland, Judge J F Harris, Oakland, R K Roberts Oakland

Principal Office, 312 Emma Spreckels building, San Francisco, Calif

Branch Offices: New York, 34 Broadway, Philadelphia, 524 N 18th street, St Louis, Chemical building, Washington, D C, 228 A street; Portland, Ore. McKay building; Chicago, Royal Insurance building, Albany, N J., 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.

Capital..............................$500,000
100,000 shares at $5.

Location: 820 acres in Humboldt county.

Officers, Claus Kroeger, president; A F Coffin vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.

Office: 327 Pine street, San Francisco, Cal.

Telephone Main 671.

XLNT OIL COMPANY.

Capital stock..............................$500,000
500,000 shares, par value, $1 per share.

Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.

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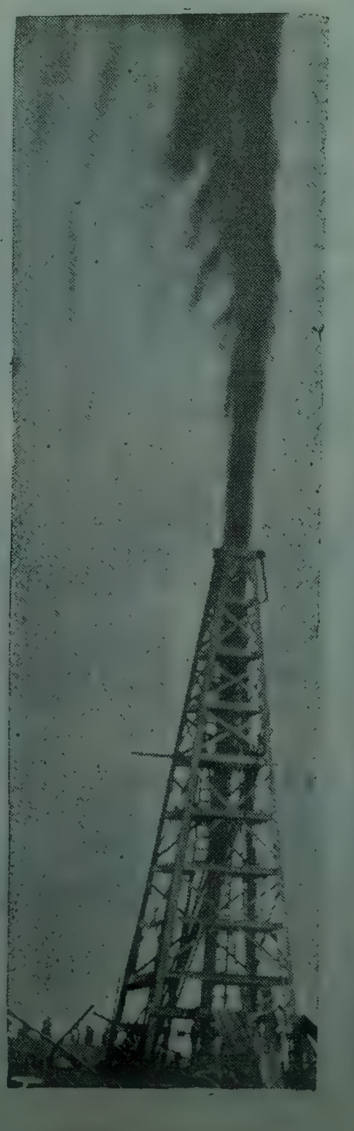

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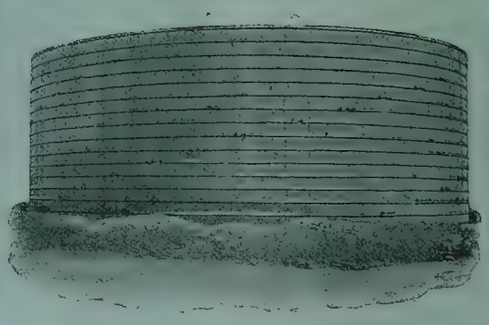

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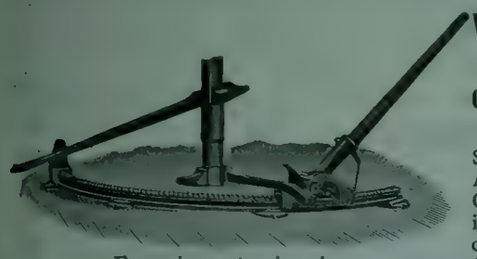

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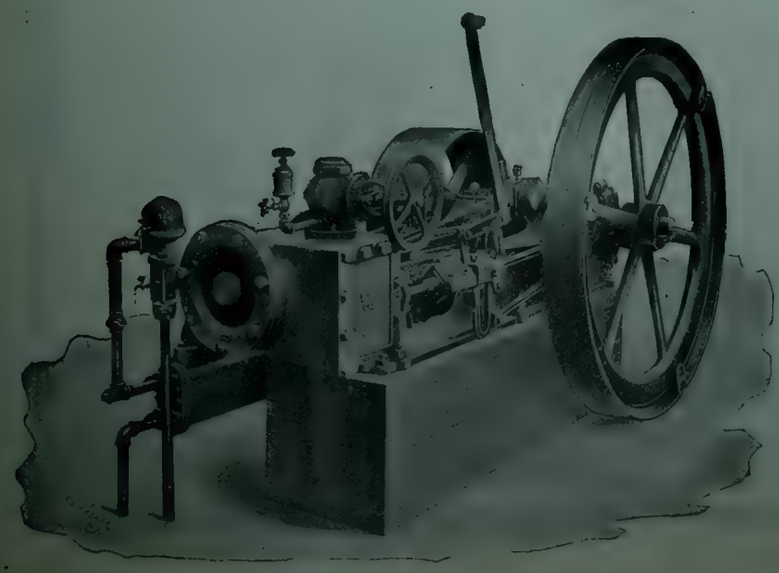

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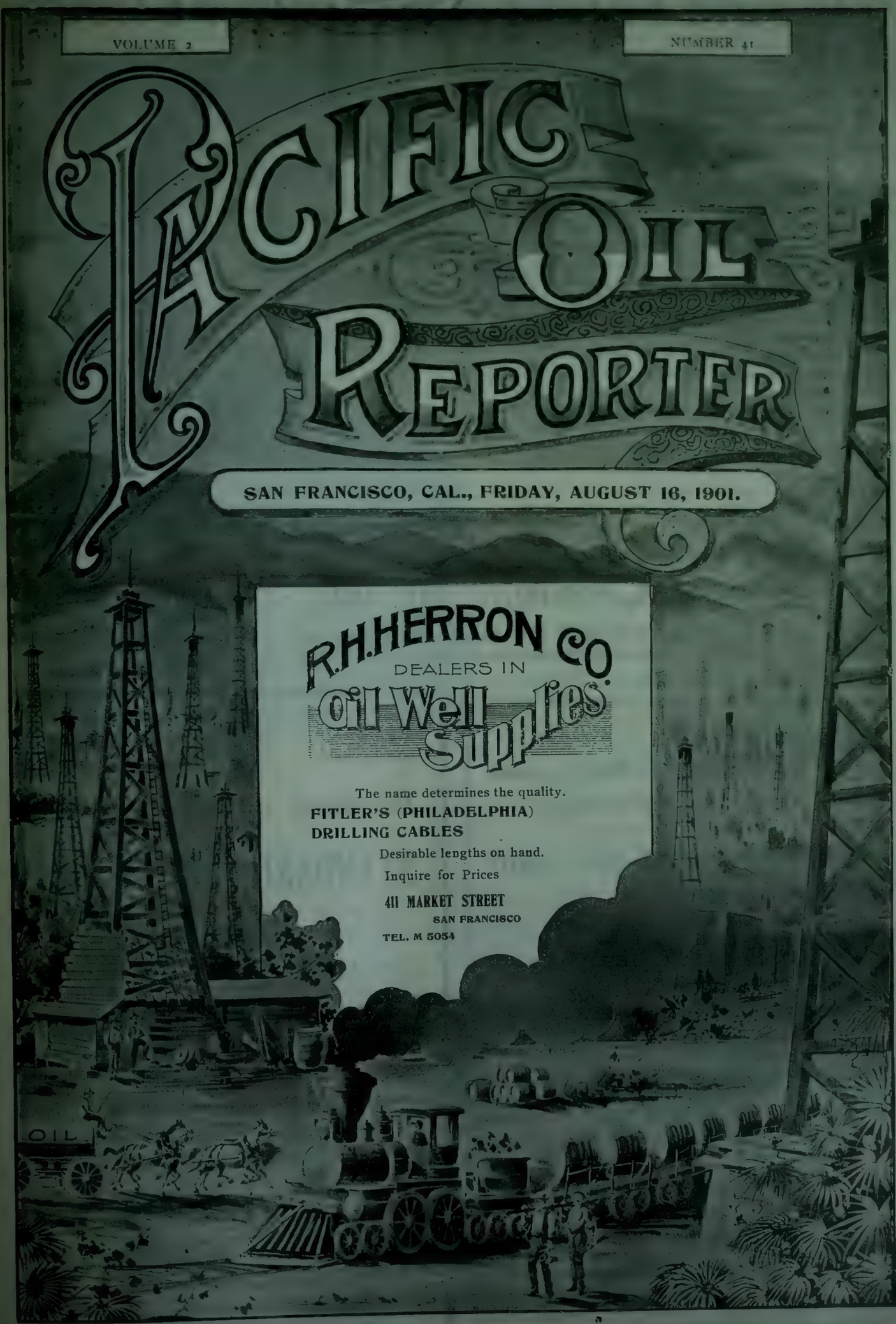
VOLUME 2 NUMBER 41

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, AUGUST 16, 1901.



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IN ORANGE COUNTY.

Progress of Development Around Fullerton and Brea Canyon.

What the Santa Fe, Graham & Loftus, Union Oil Company and Other Operators are Doing.

The little town of Fullerton, on the Santa Fe Railroad, about twenty miles south of Los Angeles, is of interest to oil men as giving its name to the Fullerton oil field, so-called, although the field proper is in the lower foothills several miles east from Fullerton and is not connected with the latter town in any way. Anaheim on the Southern Pacific is almost as near and equally convenient for the traveler. The field is an ex-extension of the Puente Oil Company's territory, which has been under development for the past ten years, and lies between Brea and Soquel Canyons. This field is the only one in Orange county which produces any oil, with the exception of Brea Canyon, its output in 1899 being 108,077 barrels and in 1900 it was 254,397 barrels, about one-fourth that of Kern county and one-half that of Fresno. The Santa Fe Railroad has the largest production of the district, having recently completed wells No. 24, 25 and 26. The wells of this company are located in a line running nearly north and south parallel with the trend of the little valley in which this field is located. The property was first developed by E. L. Doheney, who was closely connected with the fuel department of the company, and who carried on oil development in their behalf. Subsequently the company took up operations in its own name, and is now carrying on the most extensive operations in Southern California, and recently was running seven drilling crews with the expectation of putting on two more shifts. Work was recently begun on wells No. 27, 28 and 29 of this company. This company consumes its own oil, and as it has use for all it can produce it is not affected by the depression in the oil market. Some of the wells, though not equal to the Graham & Loftus wells further north, are very good producers. No. 23, which was put on the pump recently, started off at the rate of 100 to 150 barrels per day. This well was drilled in the western extension of the field, which has usually been considered precarious territory. Other wells on this lease run from 10 to 100 barrels a day and their depth varies from 700 to 1700 feet. The oil in the older wells is very dark in color with a gravity of about 20 degrees, but in some drilled more recently the color is greenish, and the gravity runs as high as 30 degrees. The surface formation is conglomerate for about 20 feet, followed by blue clay and shale, and at a depth of between 400 and 900 feet strata of oil-sand are scattered through the shale. After passing this depth thin strata of limestone are also found. Drilling will be carried on extensively in the gulch between its lease and the Graham-Loftus property. This company has a magnificent equipment in the way of machinery. A fine machine-shop is on the lease, and a new steel power house has been recently erected. A forge for dressing bits, provided with oil burners, which has been used to heat and dress a 16-inch bit in forty minutes, against two hours by the old way, is a novelty in the way of mechanical engineering. Gas from the company's wells supplies the necessary power, and the steam boilers formerly in use have been discarded, and gas engines run by the natural supply are in general use.

Scene in Orange County Oil Fields—Santa Fe Oil Wells Near Fullerton, in the Earlier Stage of Development.

The second property in importance in the Fullerton field is that of Graham & Loftus, lying just north of the Santa Fe lease. Oil was recently struck in wells No. 10 and 11 on this property and the wells put on the pump. There have been some excellent wells found on this property. One of them, (the famous No. 2), which was drilled to a depth of over 1,400 feet, started off at the rate of 700 barrels a day, but the production fell off to sixty barrels within a year. The wells are quite close to one another, and they show a great variation in yield, ranging from five barrels a day to over 100. Tests of the gravity of the oil made by the writer on the product of two of the wells showed 21 and 23 degrees Beaume, respectively. The log of No. 2 shows the following formation: Yellow clay, 50 feet; blue clay and oil sand, 100 feet; oil sand and sandy shale, 90 feet; clay shale, 60 feet; oil sand, 430 feet; sandy shale, 235 feet; oils and carrying gas 40 feet; sandy shale and oil sand, 85 feet; oil sand and shale, 110 feet; oil sand, 65 feet, total depth, 1465 feet.

The Graham Loftus company was the first in this field to sell its oil to the Union Oil company. It is piped in that company's pipe-line to Bixby, a distance of 26 miles.

The Columbia Oil company of Los Angeles is one of the successful operators in this field. Its property adjoins the Santa Fe on the east and the log shows a formation similar to the latter company. Columbia No. 12, which reached sand not long ago, threw a mass of mud and oil to a height of over a hundred feet on several occasions, and mud covered the derrick floor and surrounding ground for a considerable distance. This well is now on the pump, and was considered good for fifty barrels or better. Oil was struck at 1240 feet.

The Olinda Oil company not long ago commenced drilling their fifth well in this territory on the south side of the canyon. Well No. 3 had to be abandoned on account of a collapsed casing. The formation is sandstone and shale. The company has been erecting a new machine shop, and included in the plant an oil-burning forge similar to that used by the Santa Fe for dressing bits.

The Fullerton Consolidated property is locally known as the Hall wells, as C. V. Hall, a well-known Los Angeles operator is president of the company. Their lease lies on the west of the Santa Fe. A flowing well recently struck on this property, which is still going about 60 barrels a day, attracted much attention. The oil is about 18 gravity.

Scene in Orange County—Wells in Brea Canyon, North of Fullerton, Belonging to Union Oil Company, Brea Canyon Oil Company and Others.

The Fullerton Oil company, formerly the Rex, has put its fourth well on the pump, and has

Formation in Orange County—Sandstone on Shore-line.

been drilling on No. 5. The company recently put in a new pumping plant. The wells run from 400 to 1,200 feet in depth.

Among the prospectors in this territory the Carbon Canyon attracted much attention on account of its strike of hot artesian water at a depth of over 2,000 feet, which flowed nearly three feet over the casing. It is thought this can be utilized for irrigation purposes.

The Puente Hills in Los Angeles County, North of the Brea Canyon and Fullerton Fields.

This company, together with the Liberty, Montezuma, Soquel Canyon, Chino and Puente Crude are all drilled in the north of the Fullerton field without success, and it is thought that the only chance of successful extension of this field lies to the west and south.

Shipping facilities of this field are very good, as the Santa Fe has a spur built directly to the field, and the operators who do not desire to ship by this route have the option of the Union pipe line already mentioned.

Brea Canyon lying a few miles to the north of Fullerton, is in the same county. The Union Oil company got in this field when it was first exploited and secured the cream of the territory. This company recently started the drill in its well No. 22 in this canyon, where its first well was put down a little over a year ago. This last well is located on the north side of the Canyon, 200 yards from the abandoned well of the Edison Oil company, which went down 800 feet with no oil. This shows the confidence the company has in the skill of its operators. They have ten mills on the pump in Brea Canyon and two on the Sansinena ranch. No. 13 was recently finished at a depth of 1660 feet, and No. 21 struck the sand at 1070 feet. Well No. 7 on the Sansinena ranch had to be abandoned recently on account of losing the tools.

J. M. Kellerman, a Los Angeles operator is doing considerable contract work for the company in this locality.

The Brea Canyon Oil company is the principal operator in Brea Canyon besides the Union. This company recently put well No. 10 on the pump. Their well No. 1 was an intermittent gusher, and is said to have produced several hundred barrels a day at first. The formation is a soft, sandy shale with a good deal of quicksand, which causes much trouble. The dip is to the north.

The Union Oil company has its own tank in the canyon, and the pipe connects with the Fullerton four-inch line and discharges at Bixby, 26 miles distant, under a 450-foot head. The gravity of the oil in this line averages 21°, and at a temperature of 65° the line will carry 2,000 barrels in 24 hours.

SPROULE'S TESTIMONY.

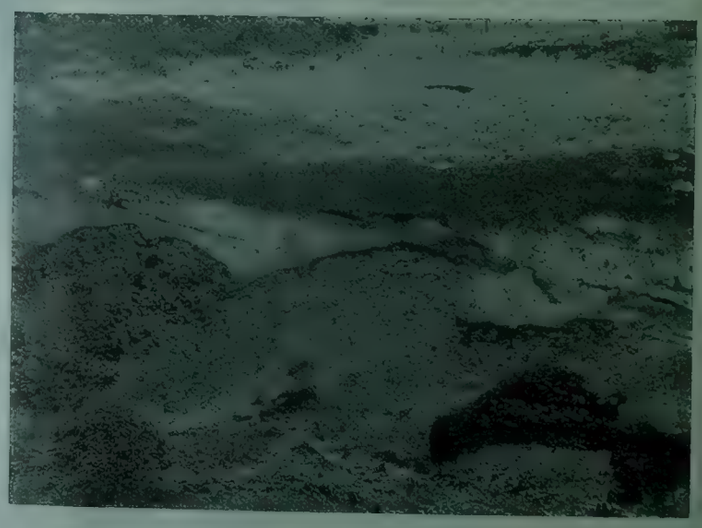
What the Railroad Man Said Before the Commissioners.

Attorney Short, the Fresno lawyer, has been trying to prove for the oil men of the San Joaquin valley that the rate of 42 cents a barrel on oil from Bakersfield to San Francisco is about 17 cents too high. It is a tariff of 8.2 mills a ton a mile for 314 miles.

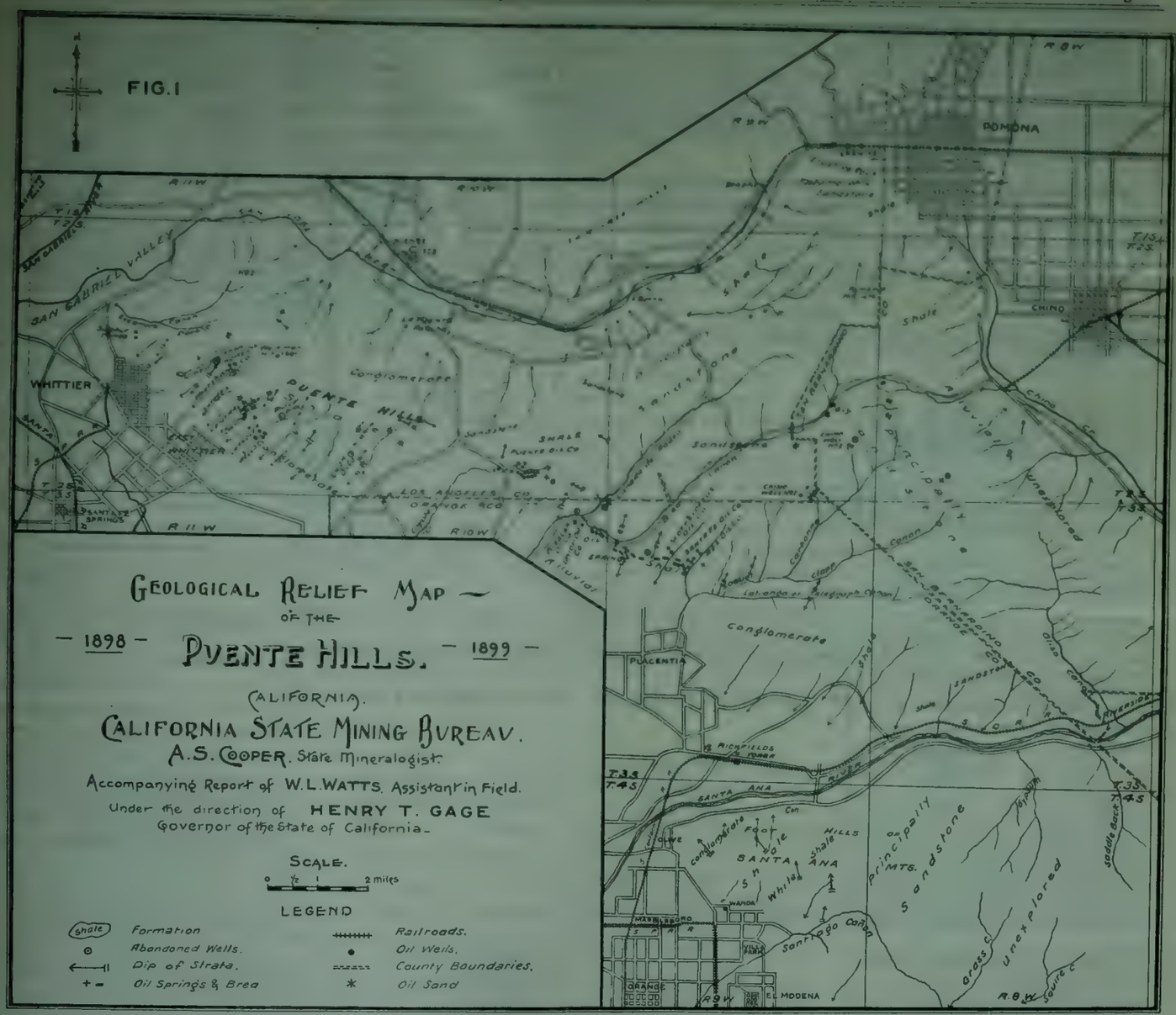
Sproule, a railroad employe and witness for the corporation, went on hour after hour answering questions of Short, the occasional supporting queries of Chief Counsel Herrin of the Southern Pacific and infrequent words spoken by one or another of the three commissioners. Subordinate officials came and went, bringing fresh piles of statistics. Sproule would figure and give his answer, then Short would turn to agricultural subjects, to navigation, to forestry, and back again to arithmetic.

During the investigation it was learned from page 467 of the Interstate Commerce Commission's report for 1893 that the cost of carrying one ton of freight one mile on the Pacific division of the Southern Pacific for the year 1892 had been 8.76 mills, not including what are called fixed charges, which are interest on bonds and investments. This happened to be a little more than a half mill a ton a mile higher than the present charge for oil. But Short thought there was less freight then than now. Sproule was ready with the explanation that there was more freight now, but that the equipment for its transportation cost much more. The witness declared that in 1900 there was shipped from San Francisco by water 387,136 tons of wheat, and that seven-tenths of that tonnage in coal was brought here in those ships. He ventured the prediction that if ships could not come here with coal because of the elimination of that fuel by the introduction of oil there would be fewer vessels coming here for wheat, and that the price of wheat would fall 12 cents a hundred because it would cost more to ship it away on account of the induced scarcity of ocean carriers. Then, retorting to a question that seemed to irritate him, he said; "I don't know why the railroad, or the coal merchant, or the wheat farmer should be made to suffer because of the stupidity of the competing oil producers, who can't control their own business at a paying basis." Incidentally Sproule gave the information that, according to the Merchants' Exchange reports, 472,242 barrels of oil from Ventura, San Pedro and other southern ports had come into San Francisco in 1900. This is approximately 3000 carloads.

Oil freight rates were given by Sproule for large eastern fields. Not one was as low, Sproule claimed, as the California rate of 8.2 mills a ton a mile, and he gave the following figures: From Oil City to Plainsville, O., 112 miles, 1 cent a ton a mile; to Buffalo, 147 miles, 1.36 cents a ton a mile; to McKeesport, 148 miles, 1.35 cents a ton a mile; to New Haven, Pa., 192 miles, 1 25 cents a ton a mile; to Rochester, N. Y., 278 miles, 1.04 cents a ton a mile; to Elmira, N. Y. 278 miles, 1.04 cents a ton a mile;



Formation in Orange County—Conglomerate Over Sandstone, Strata Not Conformable, Near San Juan Capistrano.



to Parkersburg, W. Va., 293 miles, .96 of a cent a mile; to Binghamton, N. Y., 387 miles, .86 of a cent a ton a mile; to Logansport, Ind., 421 miles, .88 of a cent a ton a mile; to Northampton, Mass., 547 miles, .86 of a cent a ton a mile. All these rates embraced the tariffs of a half dozen or more important roads.

The following other figures were given: From Lima, O., to Cincinnati, 132 miles, 1.52 cents a ton a mile; to Indianapolis, Ind., 139 miles, 1.44 cents a ton a mile; to Grand Rapids, Mich., 201 miles, 1.02 cents a ton a mile; to Terra Haute, Ind., 211 miles, 1.14 cents a ton a mile; to Wheeling, W. Va., 239 miles, .88 of a cent a ton a mile; to Louisville, Ky., 246 miles, 1.18 cents a ton a mile; to Pittsburg, Pa, 260 miles, 1 cent a ton a mile; to Meadeville, Pa., 265 miles, .98 of a cent a ton a mile; to Peoria, Ill., 326 miles, .92 of a cent a ton a mile; to East St. Louis, Ill., 376 miles, .9 of a cent a ton a mile. These, too, Sproule said, were the rates of many roads. Not one of them was down to the .82 of a cent a ton a mile against which the oil producers are complaining in the San Joaquin.

The hearing of the oil rate case, was brought to a close, so far as the taking of testimony is concerned, last Saturday and it was agreed that argument should begin on September 3. Mr. Sproule was the last witness. On cross-examination Short wanted to know if an agreement existed between the Southern Pacific and the Santa Fe railroads regarding the use of the spur track that enters the Kern River oil district. The witness said he had no knowledge of such an agreement. He admitted, however, that there was an arrangement by which a nominal sum was charged the Santa Fe people for the use of the spur.

He thought it was about 1 cent per barrel for the oil taken off the spur.

This oil, the witness said, was for the Santa Fe's own use, otherwise the company would be charged the same rate as is charged consignees. He said the Standard Oil company paid the same rate as any one else, and that there are no favored parties on the spur.

Herrin examined the witnesses about the making of rates. Sproule gave a long explanation, in which he said in part: "Tariffs are formulated by mutual agreements with eastern lines, and rates were so made that western goods could find a market in the East, and a rate was made West so that eastern products could be marketed. If the Southern Pacific refused to take a 75-cent rate upon steel goods the result would be that the connecting lines would refuse a reasonable rate for our commodities.

"The 50-cent rate on some of our products is so low that our connecting lines refuse to handle them. This commodity goes by the Southern Pacific ships. The Southern Pacific company carries this commodity at the 50-cent rate because if it did not do so this business would be given to ships, and the Southern Pacific would lose business of first class by declining to carry business of a low class.

"No railroad can hope to do only a first-class business We would not make the rates so low if we could not use the return cars loaded."

Los Angeles Stocks.

The aggregate sales on the Los Angeles Stock Exchange for the week closing Saturday, the 10th, showed about an average amount of business as compared with other weeks during the summer season. On the whole prices remained nearly stationary, with slight fluctuations in the case of several securities. Westlake was the most active trader and advanced a fraction early in the week, falling off later and closing Saturday at a quarter of a point lower than the quotations of a week ago, a thousand shares changing hands at 8¼ cents. Pacific Slope also showed a bit in the trading, the ruling price being 3½ cents. Nothing was done in Reed Crude, although buying and selling orders appeared on the board, the differences between bids and offers were too great to bring about a sale. An average quotation on this stock for the week would be 33 bid with 34 asked. Even a greater margin separated the bids and offers on Central, which closed Saturday, 87 bid and 94 asked. The trading that is done represents a few odd lots of stock that are owned by people who for some reason are unable to hold their securities and are therefore compelled to accept the best bid that they can get. The fact is patent to all who are familiar with the petroleum situation that present exchange prices do not represent the real value of the stocks dealt in.

There is a stronger feeling among the oil producers of this section and there is little doubt but that the situation is gradually clearing and that better prices will rule all along the line.

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FRIDAY, AUGUST 16, 1901.

THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

South of Kern River

The strike made last week by the Panorama Oil Company on 14, 29-28, is the most important event in the oil industry that has occurred in months.

This strike has practically proved a new field that comprises many thousand acres. By the old oil men this field has been heretofore condemned. By the term "old oil men" we mean the average driller and superintendent who have clung to the often expressed idea that Kern River was the southern boundary of the producing field. This idea has been combated by those who could not understand how a mere scratch on the surface of the soil such as is the bed of Kern river could possibly limit the area of the oil deposit which lay a thousand feet or more beneath.

A few men, most of them of limited means, have had sufficient faith in the oil possibilities of the south-of-the-river section to warrant them in putting up the necessary funds to drill a well.

Their pluck has been rewarded and at a depth of 1185 feet the drill entered a body of rich oil sand, containing an oil of lighter gravity than that north of the river, making it easier to handle, better adapted for general purposes, and of much greater commercial value.

It would seem that the oil north or the river has seeped there from the territory south of the river and in the seeping process has lost a considerable portion of its volatile qualities.

Whether or no this be so the fact remains that a territory has been opened up extending at least a mile and a half south of the territory heretofore regarded as the boundary of the proven district.

But the Panorama well will not be the well farthest south by any means. There is every reason to believe the oil belt extends farther south by many miles, the oil sand being found at greater depths as drilling progresses to the south.

The next strike we may expect to hear of will probably be that of the Wizard Oil company which is drilling on 26, 29-28, about two miles south of the Panorama. The Wizard well is down over 1000 feet with drive pipe casing and has the money on hand to go 2000 feet if necessary. The Chicago extension, on 24, 29-28, is not far behind the Wizard, and one or the other may be expected to strike the oil sand before the first of September.

If either of these companies strike oil, which they surely will according to the best and most scientific authorities, land which can now be bought very cheaply will be worth as much as the choicest land north of the river, and men that are today in moderate circumstances will soon be counting their hundreds of thousands.

In Bakersfield there is great excitement over the new strike, and strenuous endeavors are being made by the real estate men to secure land in the new oil territory.

The Oil Rate Case.

It must be admitted by the oil men that there is a certain amount of truth in the claim of the railroad partisans that the low price of oil is due to over-competition of producers, however little that may have to do with the question of compelling the transportation companies to give fair rates. As long as low rates for oil prevail, the railroads should be forced to act justly in making needed concessions, and the claim of Los Angeles that a reduction on oil rates will injure them is too absurd to be considered. The oil men have not asked for a lower rate over the steep and difficult grades of Tehachapi, but over the level plains of the San Joaquin. The testimony of a Los Angeles producer, Mr. Allen, who puts on a poor mouth for fear lower rates will affect his city, almost reaches the point of pathos.

"The general purpose of our association," said Mr. Allen, "is to improve the condition of oil men and maintain the price at a profitable figure to the producer. Last year the lowest we received for our oil at Los Angeles was $1 a barrel. We are receiving 74 cents a barrel now. The oil output at Bakersfield and the peculiar conditions there have shaved our prices. Since the large production in the Kern fields our price has been reduced to the selling price at Bakersfield plus what the established railroad rate on oil is between Bakersfield and Los Angeles. We have to sell at what it could be shipped in and sold for owing to the low rate at the Bakersfield wells. Any reduction of the rate between Bakersfield and Los Angeles would be very demoralizing to us. It actually costs about 60 cents per barrel to produce oil from the Los Angeles wells, while it costs only about 20 or 25 cents a barrel and at the Los Angeles wells at 60 cents a barrel the producers are on a basis of equality. A reduction of the rate from Bakersfield to San Francisco I do not think would increase the consumption of oil. In Los Angeles every concern that uses fuel is regularly burning oil. They all burn it in preference to coal because it is cheaper. And they will continue to burn just as much as they need as long as they can get it more cheaply than coal. In Los Angeles we were selling just as much oil to these people at $1.10 a barrel, which was cheaper than coal, as we are now selling at 74 cents a barrel, which is the price we are forced to sell at to avoid losing the market to the ruinously low rate at Bakersfield.

"The trouble at Bakersfield is not existing railroad rates, but lack of oil men's organization and lack of storage capacity. The Los Angeles wells produce an average of from one and one-half to fifteen barrels a day, or an average of about seven barrels each. Their average depth is from 250 to 500 feet, with a few as deep as 900 and 1100 feet. The cost of boring a 500-foot well is about $600. The life of these wells is comparatively short. The fifty-nine wells of the West Lake Oil company are now producing about 9000 barrels a month, which is a falling off of nearly a half from the product of a year ago, when there were fewer wells. The Bakersfield wells are better producers and cost less and last longer. I know some Bakersfield wells pump 400 barrels a day and there is not a Los Angeles well that produces 100 barrels a day."

WHY IT PAYS OIL MEN TO ADVERTISE.

A letter has been received at the office of the OIL REPORTER from an Eastern correspondent which will illustrate the reason why some oil companies are able to sell stock while others do not. It reads as follows:

NEWKIRK, Oklahoma, August 6, 1901.

W. B. WINN, San Francisco.

Dear Sir—The sample copy requested came to hand and I herewith enclose you $1 for a three months' trial subscription to the PACIFIC OIL REPORTER. I also enclose $— for 100 shares in the —— —— Oil Company, which you advertise. Please hand the same to them for this purpose. I wish to get the prospectuses of all your advetisers, as I think I want shares in at least one-half of them. Am already an investor in a number in different parts of the U. S. Expect a reasonable per cent to develop oil in dividend-paying quantities. I look upon the discoveries of fuel oil, and what will soon be discovered and developed, as being of vast importance to the world in a variety of ways that will soon materialize. Yours very truly,

—— ——

(Original on file in REPORTER office.)

Looking Better.

The condition of the oil industry has improved very materially in the last two weeks. Stocks have gone up in price. Several contracts for the sale of oil at an increased figure have been made, and there is a stronger feeling generally both in the city and in the various oil fields. The feeling of confidence has been strengthened in spite of the senseless and disastrous strike which has had such an effect on the oil business here by materially lessening the amount of oil consumption. It speaks well for the oil industry that in spite of the general depression and loss of business oil stocks have kept up and even increased in value, and much new development work has been begun or contracted for.

Does Not Give Credit

An oil paper published in London called "Petroleum" recently reproduced an article from the PACIFIC OIL REPORTER showing Ex-State Mineralogist Cooper's ingenious device for loading oil into vessels at sea. The article was reproduced almost in its entirety, illustrations and all.

We are glad to see the English papers giving so much attention to California oil matters, but we do object to their using the information gathered by the PACIFIC OIL REPORTER and palming it off as their own. The next time the "Petroleum" uses our articles and illustrations we trust it will give us credit for the same.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

The Remarkable Effect of an Earthquake.

The earthquake that occurred last week, and had its center of activity in Chittenden, in Santa Cruz county, while showing some remarkable examples of a tortion movement in chimneys and buildings of the place, and also on the deep well being sunk there by the Crescent Oil company has also remarkably increased the flow of oil and gas from their shallow well, and from the springs adjacent, which has continued since.

Mr. Schuman says in a letter: "I made a personal inspection of the Crescent Oil company's property, in company with some friends from the city, and they were astonished at the flow of oil. The oil is forced up to the surface, by a strong pressure of gas, which causes it to boil in appearance with a heavy roaring sound which is to be heard at a considerable distance from the well."

Some of the casing in the principal well has been crushed and the company will have to replace the whole line of casing.

Oil Economics.

ON ROADS.

Last year it cost the city of Colton $1200 to sprinkle its streets. This year the same streets were oiled at a cost of $745 and the result is a smooth and dustless surface.

FOR FUEL.

After a trial if two weeks in the use of oil as a substitute for coal, the managers of the Gilroy Ice & Laundry Company have computed the saving to be 6 per cent. In case the plant ran night and day for a month, the company would save $110 for that period. A contract for a supply of oil for two years has been made, as it is expected that the fluid fuel will advance shortly in price to $1.50 a barrel.

A Big Oil Deal.

The deal by which the Peerless Oil company expects to dispose of 5,000,000 barrels of crude oil in Hawaiian Islands within the next four years has not been entirely consummated. It now transpires that the agents who are making the deal are the United Oil Producers in the Phelan building, in which Isaac E. Blake is the leading spirit. When interviewed on the subject Mr. Blake admitted that they were the representatives of certain parties in Honolulu, who were negotiating for the purchase of a large amount of crude oil. He also stated that the Peerless had agreed to furnish oil at a certain figure provided the negotiations were finally put through. Mr. Blake expected that the deal would be closed within the next two weeks. He was unwilling to say who the Honolulu parties were, but it is reported that L. A. Thurston of the Hawaiian Sugar Refinery is interested in the matter, and the price is stated on the Exchange to be in the neighborhood of $1.25 a barrel delivered in Honolulu. It is also rumored that if the deal should be put through that two tank steamers would be immediately built at Everett, Washington.

A Land of Marvels.

The fame of California as a land of marvels and hidden wealth has attracted to our shores emigrants from every portion of the globe. The discovery of gold on the American river in 1848 marked a most important era in the world's history, but the discovery of immense deposits of crude petroleum marks the turning point in the history of this state. From being consumers and dependants upon foreign markets, by the aid of cheap fuel we are about to become manufacturers and before the expiration of another decade California will be competing in the markets of the world. The possibilities that the discovery of large defined oil fields have ushered in are beyond the conception of the most conservative thinker, that it will bring in its train fabulous wealth to the people of this coast is unquestionable, and the avidity with which Eastern capitalists are purchasing gilt-edge oil mining securities is a demonstration of their perfect confidence in the ultimate results which will be derived.

Among the commendable companies in this state which are inviting the attention of capitalists is the Standard Consolidated Oil & Land company, whose magnificient oil properties are being rapidly developed. Stock in this company can be purchased at present for 20 cents per share and the same affords an occasion for persons of limited means to improve their financial affairs.

The "Sediment and Surplus" is at the bottom of more things than tanks.

The report of the striking of a gusher in Wyoming by the prodding of an umbrella into the ground appears to have been inaccurate in at least one particular. It is now said the man did it by a chance blow with a pick.

During the past six months upwards of one hundred oil companies have filed articles of incorporation with the secretary of state of Colorado. Not one-fourth of this number are doing anything to find oil by the process of drilling.

No work is being done on Kern River at McKittrick. Work will be resumed the first of September.

Silver Star at McKittrick, section 28, 20-32, has the nine and five-eighths casing 1050 feet in blue clay, with good indications for oil. This has been done since June 18 with single tower—a splendid showing.

Olema's No. 2 on 19, 28-28 is in 575 feet. It is expected that the water sand will be entered within a day or two.

Illinois Crude, 32, 28-28, is in first sand, and is lowering its eight-inch drive pipe at the 390-foot level.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, August 14.

BEAR FLAG.		
2000 at	06	120 00
BAY CITY.		
12 at	25	3 00
CALIFORNIA STANDARD.		
3150 at	22	693 00
700 at	23	161 00
FOUR OIL.		
1300 at	38	494 00
GIANT.		
2000 at	30	600 00
HANFORD-FRESNO-KERN RIVER.		
1250 at	05	62 50
HOME OIL.		
250 at	2 45	612 50
HANFORD.		
1 at	98 00	98 00
5 at	100 00	500 00
5(B90)at	102 00	510 00
5 at	99 00	495 00
INDEPENDENCE		
3000 at	10	300 00
JUNCTION.		
1700 at	19	323 00
5100 at	18	918 00
1800 at	17	306 00
LION.		
2500 at	09	225 00
500 at	08	40 00
MONARCH OF ARIZONA.		
640 at	21	134 40
400 at	22	88 00
50 at	23	11 50
MONTE CRISTO.		
100 at	2 00	200 00
100 at	1 90	190 00
OCCIDENTAL OF W. VA.		
100 at	35	35 00
300 at	37	111 00
100 at	38	38 00
OIL CITY PETROLEUM.		
300 at	25	75 00
300 at	26	78 00
PETROLEUM CENTER.		
100(Cash)at	03	3 00
1100 at	03	33 00
PEERLESS.		
150(B90) at	6 00	900 00
150 at	5 62½	843 75
100(B90)at	6 12½	612 50
50 (B60)at	6 00	300 00
50(Cash)at	5 62½	281 25
480 at	5 75	2760 00
900(B90)at	6 25	5625 00
100 at	5 87½	587 50
SAN JOAQUIN.		
300 at	7 75	2325 00
110 at	7 87½	866 25
100(B90)at	8 37½	837 50
200 at	8 00	1600 00
125 at	8 12½	1015 60
STERLING.		
200 at	1 30	260 00
SENATOR.		
200 at	1 10	220 00
SOVEREIGN.		
690 at	26	179 40
550 at	27	148 50
100 at	28	28 00
TWENTY-EIGHT		
387 at	1 30	438 10
100 at	1 32½	132 50
150 at	1 35	202 50
WOLVERINE.		
700 at	70	490 00
Shares	34,710	Amount $29,714.25

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Tel. John 2186.

PROFITS

Those who bought Ventura Consolidated Crude Oil company stock at the original price, 5 cents per share, could now make big profits. The buyers of the 10 cent block could also make a fair profit. The present price is 15 cents per share and will be further advanced when present offerings are subscribed. Buy now. Company now has 3 producing wells. Gold mine showing up splendidly. Nearly 1 000 tons of ore on the dump. Oil and Gold.—A Producing company.—Honest and capable management, with a record of speedy advancement exceeding any company in the state. Investigate.

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628-30 Laughlin Bldg., Los Angeles, Cal.

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Member
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Correspondence invited. Information on oil stocks furnished gratis.

SOUTH DAKOTA CHARTERS,
STOCK NON-ASSESSABLE
ALL COMPANY MATTERS
STOCKS GOLD-GUARANTEED
Pacific States Mining & Investment Company, 326 Post Street

WELL-BORING OUTFIT
FOR SALE CHEAP.
SUITABLE FOR WATER OR OIL.
Apply 308 Sacramento street.
San Francisco.

WANTED.
A good second-hand Standard Rig. Address:
FLASHLIGHT OIL CO.,
23 Columbian Bldg., S. F.

SPLICING WIRE ROPE.

For the benefit of oil men who are consumers of wire rope, a brief description of the method of splicing is given with illustrations showing the important features connected with the operation.

Length of splice: The general rule is as follows:

For 1¼ inches diameter, street railway cable, 100 feet.
For 1 inch diameter, hoisting, 60 feet.
For ⅞ inch diameter, hoisting, 50 feet.
For ¾ inch diameter, hoisting, 48 feet.
For ⅝ inch diameter, hoisting, 45 feet.
For ½ inch diameter, hoisting, 36 feet.
For ⅜ inch diameter, hoisting, 24 feet.
For 5-16 inch diameter hoisting, 18 feet.
For ¼ inch diameter, hoisting, 15 feet

Splices can be made of shorter lengths than specified above but it is preferable to make them of the lengths specified where there is sufficient rope for the purpose.

The tools required for splicing consist of a wire cutter, three splicing needles of different sizes, and two wooden mallets. In the larger ropes a heavy strand cutter and pullers are used. For all ordinary splicing, the tools shown in the illustration are sufficient.

Figure 4—Placing the Needles.

Figure 1—Coupling Rope.

Figure 4 shows how the needles are placed in sinking the tuck. Place the right and left needles under two strands, the fifth strand will then be between the points of the needles underneath—the needles are now in position to force the strand into the heart of the rope. The operator must manipulate the strand with the needles until the strand sinks into the heart of the rope.

In figure 1 is shown the rope coupled together. Before unlaying the rope, measure off half the length of the splice on each end of the rope tying the rope firmly at this point with wire or jute, then unlay the strands back to the point tied, then couple the two ends of the rope together as shown in the illustration.

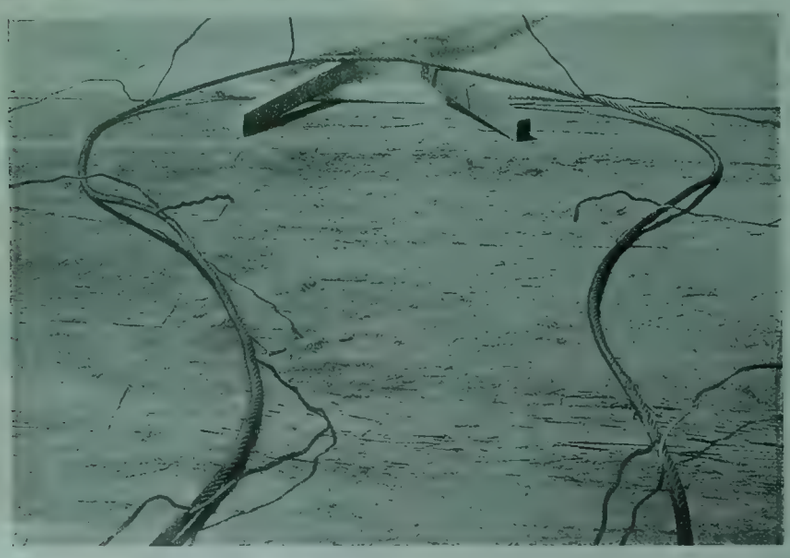

Figure 2—Strands Ready for Tucking.

Figure 5—Sinking the Strand.

Figure 5 shows the method of sinking the strand after the tuck is made as shown in Fig. 4. Let one needle remain in position at the point of tucking, following the strand up with the other needle. When the strands are sunk into place, the ends of each pair of strands should butt against each other. In all ropes larger than ¾ diameter, the ends of the strands that are sunk are usually wrapped with one layer of burlap or cotton cloth. This wrapping makes the strand larger and fills the heart of rope better. Where strands are tucked into the heart of rope, it is understood that the manila heart must be removed to allow for the tucking and sinking of strands.

Figure 3—Shaping Strands into Place.

Figure 3 shows how the strands are shaped into place with the mallets preparatory to making the tucks. It also shows how to use the mallets in smoothing up a rope after the tucks have been made.

In figure 2 the strands are laid up ready for tucking. The operation shown here consists of unlaying one strand and laying in the corresponding strand of the other rope. As there are twelve ends to tuck, divide the length of your splice by twelve and it will give the length of the ends of the strands to be tucked into the heart of the rope. For instance, in splicing a half inch rope the length of splice is twenty-four feet, dividing by twelve gives the length of tuck as two feet.

Figure 6—Placing Needles to Raise Tucks.

Figure 6 shows how the needles are placed to raise the tucks even with the other strands of the rope. After the needles are placed under the tucks, the needles are turned on edge and manipulated until the tucks are brought up even with the other strands, then use the two mallets to gradually pound into place and smooth up as shown in Fig. 3. Continue the same operations with the several strands until all have been tucked and completed.

SUMMERLAND OIL COMBINE.

Prospects of a New Corporation With Two Millions Capital.

S. W. Knapp is the operator of whose plan for the consolidation of the Summerland oil properties the Herald recently published an account. Mr. Knapp has confirmed the report that he was working on the consolidation scheme and said that he looked forward to the success of his plans. He said that the name of the new company is the Summerland Consolidated Oil company. It is incorporated under the laws of Nevada for $2,000,000. M. K. Miller is the president and has all along been associated with Mr. Knapp in working up the consolidation scheme. Mr. Knapp is secretary and general manager of the company.

The Consolidated now has almost all of the Summerland property in sight and is ready to pay cash for its purchases. There are but few properties not included in the deal. Mr. Knapp expects to have 200 wells, ashore on the Summerland bluff, and in the ocean, and to produce from 12,000 to 14,000 barrels of oil a month. The profit of the scheme will be in the saving of operating expense. He added:

"We figure that with properties united we can save $20,000 a year in operating expenses. With but one management so many items of expense would drop out that oil could be produced at a much lower figure than at present. The plan will be to concentrate as much as possible. This will mean many changes in the pipe lines, tankage and the power plants. It will take from sixty to ninety days to get things running smoothly after we commence work."

The new company proposes to further develop the territory in several lines. Mr. Knapp has operated for several years in the field and knows his country.

Calling for Cars.

It has been directly reported to the Enterprise from some of the largest oil companies in the field, that if the railroads fail to furnish them with tank cars they will sue them for damages, as provided by law in such cases. A number of the new producing companies have not had time to secure tank cars of their own, and are therefore unable to fill their orders. Several more companies who have spent considerable money wildcatting, and then been forced to pay a good round price for lands in the gusher territory, will hardly be in a position to buy tank cars on their own account for some time, and unless the railroads do something they will be considerably handicapped and forced to take action in self protection.

One of the strongest companies in the field has taken the initiative in the matter, and has retained some of the strongest legal talent in the state, should it come to a show, and it looks now as if more than probable that it will.

It will be remembered that the legislature passed laws several years ago, before the existence of the railroad commission, requiring the railroads, under heavy penalty, to furnish the cattlemen with stock cars. The commission made similar rulings regarding sheep cars, lumber cars, etc., and the oil companies claim the general law regulating such matters includes oil cars or anything else offered to a common carrier.

The matter may be called to the attention of the railroad commission at its meeting next month, and in case it does not take some action the courts will be appealed to.—Beaumont (Texas) Enterprise.

War Between Water Companies.

At the request of the Occidental Water company a court order was issued temporarily restraining Chanslor & Canfield from entering upon lands claimed by the plaintiff, but before the papers were served the pipe lines had been laid and the only course now is a suit for damages. It seems probable that the Occidental is not desirous of securing money for injuries sustained in having its land occupied, but that the company brought the litigation in the hope that it might be a means whereby the competion of the Chanslor & Canfield system might be delayed. The two concerns are rivals. Each has been strenuously endeavoring to get into the field with an adequate water supply, for the first to do so will be able to sign up nearly all the operating companies as customers, and thereby reap a rich harvest.

The Occidental company is bringing in its water pipe line via Sunset, and is now delivering water as far as the Superior camp, on 2. 11-24, while Chanslor & Canfield are bringing in their line via McKittrick. Water has been hauled for many miles to the wells drilling, but it is expected that in a few days water will be piped to about every rig at work in the field.

In the Madera Oil Fields.

General Manager and Secretary J. S. Manley of the San Joaquin River Oil Company has returned from the scene of operation in the Madera field and says that work is temporarily suspended owing to a broken drill. In passing through a hard substance some part of the drill was broken off and work was suspended until Mr. Gilson can return from Bakersfield with the instruments for extracting the broken piece from the hole. Mr. Manley says they have a very small quantity of oil, but do not expect any great amount until the well is put down several hundred feet. That they have oil is a settled fact, but that it is not as yet in any paying quantity or anywhere near a paying quantity is another settled fact. Work will soon be resumed at the well and the very best of results are expected when the drill passes into the thick stratum of oil sand which every indication proves is below.

Upheld the Assessor.

The board of supervisors at a recent meeting upheld County Assessor Jameson in the assessments levied on the property of the Bakersfield and Fresno Oil company and the Elwood oil company, which were paid under protest. At the time the assessments of the property throughout the county were made, seven or eight oil companies objected to the amount and and filed a notification of protest with the board of supervisors. With the two exceptions heretofore named, the objections were withdrawn by the companies.

On the part of the Bakersfield & Fresno company, says the Californian, the land situated on SE ¼ of 28, 28-28 and other property on the claim was assessed at $1,375.60. The property of the Elwood Oil company was assessed at $1,824 40. By the action of the board these figures stand and the protest of the companies was in vain.

A MONSTER OIL TANK.

The Santa Fe Will Have a Great One in Merced.

The Merced Sun is informed that the Santa Fe railroad is preparing to install an oil tank at Merced, bids for the construction of which have already been invited. The tank will be nine feet in diameter and twenty-nine feet high, and it will hold one million and a half gallons of oil.

There will be a small tank adjoining it which will be built underground, and over which a track will run. When the oil cars come in to deposit their cargoes, they will run over this submerged tank into which the oil will be dropped through an opening provided in the bottom of each car. The oil will be transferred from the submerged tank to the large one by means of an air compressor.

The Santa Fe has oil tanks at Point Richmond and Bakersfield, but they are much smaller than the one proposed for Merced. The contemplated establishment of this oil tank at Merced is taken to mean that the company has definitely decided upon this city as the location for division headquarters.

Oil Companies Incorporated.

Cripple Creek Oil and Development company. Principal place of business, Tucson, Ariz. Directors: B H Noble, J G Fitch, C R Stetson, G A Campbell and H M Barngrover. Capital stock, $500,000.

Red Standard Oil company. Principal place of business, Pierre, S D. Directors: C T Macfarlane, T P Boyce and W A J Searles. Capital stock, $500,000.

The Hub Oil company. Principal place of business, Phoenix, Ariz. Capital stock, $500,000, with W B Hayford, M G Rhodes, T R Weaver, J T McGeoghegan and M T Hubbard as directors.

Queen Oil company. Principal place of business, Seattle, Wash. Directors: C M Stewart and H A Bigelow. Capital stock, $500,000.

Live Oak Oil and Development company. Principal place of business, Hughes, South Dakota. Directors: A E Fox, B Webster and T P Estes. Capital stock, $350,000.

The Contra Costa Water company is preparing to lay a pipe line from the depot at Alvarado to its pumping plant so that its fuel oil can be unloaded direct from the car into the pipe and be carried to the reservoir.

The petition for a franchise to build an electric power line over certain streets is for the purpose of getting electricity from the pumping station to a pump to be erected at the depot to force the fuel oil through this pipe line for its two miles of length.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED The machinery is now in place and water connection being made and drilling will begin at once.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

On Monday of last week the drill of the Chehalis Oil company was down 30 feet in a hard formation. There was some oil in the bail ngs.

The Glenn county Oil & Coal company, which suspended operations some time ago at 400 feet, started up again last week.

Some improvements will be made on the R. H. Herron rig on the Ingrim lease. Among other changes, the casing formerly used will be laid aside and 10-inch drive pipe substituted. This change was decided upon on account of the caving of the walls of the well. A carload of the heavy drive pipe will arrive in Williams the first of the week direct from the Bakersfield branch of the R. H. Herron Company's oil supply house. Another change ordered is a pumping plant to supply water for drilling purposes. A plant has been ordered and will be placed on Bear Creek. Six thousand feet of two-inch pipe will be required to carry the water from the creek up to the rig, and as this pipe will cost 25 cents per foot to lay it down on Bear Creek, some idea may be gained of the investments being made in this territory by Mr. Herron.

CONTRA COSTA.

The Berkeley Crude Oil company started its drill this week back of the Berkeley hills in Contra Costa county. B. F. Arnold is in charge of the drilling.

FRESNO.

The Ajax will probably try drive pipe.

There is nothing of consequence going on at the Aetna.

There is a slight showing of oil in the Commercial well.

Work will soon be commenced by the Zenith Oil company.

Echo Oil company shut down last Saturday and is waiting for casing.

The Mercantile boiler got out of fix last Wednesday and has retarded work on its No. 2.

The California Oil Fields (Limited) is going ahead in good shape and will probably have four producing wells within the next four weeks.

Bids are being sent in to the St. Paul Oil company and it is expected that the contract for putting down this company's No. 1 will soon be let.

The levels have been taken for the Maine State pipe line connecting the Maine State wells with Ora Station and the laying of pipe will soon be commenced.

California Rock No. 2 is down over 1,000 feet; some oil; putting in 7 inch drive pipe. Superintendent Black says that he is well pleased with the prospects of Maine State No. 3. It will be a deeper well than No. 1, but the formations are just as regular.

The Sauer Dough, No. 1, will no doubt equal the best well of the Caribou group from present indications. Last Monday the gas was so heavy that when it was accidentally lighted the flame shot up twenty or thirty feet in the derrick. The drill is now in good sand and will be finished in a short time. Over one hundred feet of the hole per day was the average made for a week on this well.

The Sour Dough Oil company, in section 22 of the same district has just finished its first well and has lots of oill. This company h s thirty acres of good oil land. The company is made up chiefly of returned Klondikers, Mr. Hart being president of the company. The first well was drilled to a depth of nearly 700 feet.

The Caribou, on section 22 of the Coalinga district has three wells completed with a capacity of 450 barrels. A four-inch pipe line is now being laid by Mr. Hart, the brother-in-law of W. S. Spinks, from the railroad, seven miles to the Caribou wells. When this is completed the Caribou will be independent of the Union pipe line and will be in a position to market its oil at satisfactory figures. The company has $20,000 worth of machinery on hand, has casing on hand for four more wells, is out of debt and has nearly 200 acres of proven oil land that will produce oil of 24 degrees gravity.

GLENN.

The Great Northern Oil company, which is down over 1000 feet has stopped work temporarily. The company has money in the treasury, and expects to resume operations soon.

KERN.

Alma No. 3, on section 4, was spudded in last week.

Drilling has begun for Stevens on 19, 28-28. His men are at work.

Hickie & Vizie report excellent progress on well No. 1 of "19."

Petroleum Center has one string of tools working on its holdings.

The Potomac Oil company has closed down its plant for the time being.

El Oro has finished closing out its second-hand rigs and will leave the field.

Hart Crude bought a long string of 10-inch drive pipe last week for well No. 2.

Business is beginning to look better in the Kern river field in the line of new work.

The derrick, storage tanks, bunkhouses and material of the Omar, 20, 28-28, are being moved to section 32.

The derrick for the Stevens' first well has been erected, and work will begin on the hole within a few days.

Fruit pedlers have reached Sunset and the men feel better now that they can vary their diet by the addition of fruit.

Del Rey's No. 4 is reported down 750 feet. The company's other three wells are all producers.

Two of the rigs that have been standing idle near Cottonwood are being moved to the Kern river field.

Brokers have sold three rigs and 3100 feet of casing. South side parties are understood to be the buyers.

The Jolly Joker, sinking a well in the Midway district, is down 300 feet and commenced sending down the casing.

The Kern Oil and Development on section 30, 28-28 has the derrick up for a second well.

Falcon No. 2, just to the north of the Kern Oil and Development's property on section 30 has begun drilling and is making good progress.

The Standard Oil company has commenced the construction of its eleventh tank. The tenth one has been completed and is filled.

Superior in 24, 28-27 has shut down during the continuance of the heated term. Work will not be resumed until the cool weather comes.

Cunard, 28, 32-24, struck water sand that cannot be handled successfully, and the driller has been released.

Barton, 25, 32-23, hit the sand at 950 feet, thus proving the Midway a mile and a half further out.

Sunset Coast, 25, 32-23, has its third string of casing ready to lower. The drilling is reported to be progressing favorably.

Local producers, many of them, are awaiting the outcome of the effort of the Kern people to secure cheap rates to the north, with much interest.

Those oil companies which paid their taxes under protest are taking the necessary steps to sue the county for the return of their money.

Alva No. 1 is a good producing well. It was put on the pump for the first time yesterday. The rig for well No. 2 has been put in position.

The lessees of the Chicago Crude have several new rigs on their leases and will in the near future begin sinking new wells.

The Spring on the south side has be gun spudding in well No. 3 No. 1 is to be pumped steadily as soon as the new 1000-barrel tank is completed.

The Utah-Colorado Oil and Development company has purchased an outfit for drilling in the new field of Rio Blanco county, Colo.

The strike of the Barton Oil company on 25 in the Midway, which has opened up a new part of the field, will create excitement for that district.

Max Grossmayer, the well-known contractor, has signed a contract to drill a well on 19, 38-28 for the Stevens company, He will begin work at once.

The Trans-Continental No. 2, just to the north of the Continental, is down 700 feet and the drill is still working its way downward with favorable indications.

California Fortune on 34, 12-24, has two wells that are flowing over the casing at the rate, it is reported, of thirty or forty barrels a day.

Petroleum Development's No. 8, now in the process of drilling, has a good showing of oil at 800 feet. The well will be completed within ten days.

The New York Syndicate has rigged up on its holdings on section 8, 29-27, recently purchased from the Grace. It is now laying a water line to the plant from an adjoining well.

The Canfield is getting ready to resume drilling on the property, section 29, 28-28. The next well will be drilled with an old rig just to the south of the Continental wells.

M. A Fesler, the inventor of a needle drill, will commence operations in the Devil's Den district after the warm weather. His machinery will be constructed in Bakersfield.

The American Drilling company, which has the contract for drilling a well for the Boston Oil company in 25, 32-23, Midway district, has gone into the oil sand at a depth of 900 feet.

The Perseus, 29, 28-28 has the rigs for wells 1 and 2 in position and will soon begin letting the drill fall. The company is building a model field house and otherwise arranging for the comfort of its employes.

Hart Crude, section 36, 28-27, has encountered a small showing of oil in its first well. Drilling on hole No. 2 is progressing favorably at the 500-foot level. The derrick for the third well has been erected on a direct line with the Vanderlip holes.

The Vanderlip No. 2, section 25, 28-27, is having success with its drilling. The hole is now 520 feet deep. No. 1 was turned into a water well and is saving the company $100 per month by furnishing the water for sinking No. 2

The new casing has been put in "19" and this well that was shut down for a few days is hard at work again. It is already down over 800 feet, although the drilling has been going on only 21 days. This looks as if it would be a record job.

The Mecca on 19 has its first well on the beam and it is proving to be a good producer. The drill in hole No. 2 is working near the 920-foot level, and material for No. 3 is on the ground. A rig from the El Oro will be moved to the property soon and will be installed for No. 4. The company will drill a series of six wells as rapidly as possible.

The Kutner-Goldstein company of Hanford is building an oil tank that is probably the largest used in the valley for the storage of oil. It will hold 44,000 gallons, and is 26 feet in diameter. It is being built for the Maine State Oil company, operating in the Coalinga field and will be shipped in a knocked-down condition and then assembled together on its site.

F. R. Deremer and Gustave J. Mc Gregor, manager and secretary of the Standard Con. Oil and Land Co., were in Bakersfield recently for the purpose of accepting the rig and machinery being erected on the property in 19, 28-28, Kern river district, and also to make arrangements to begin drilling. This company will complete three oil wells on 19 this year. Mr. Deremer has gone to Chicago and New York

The Hawkeye State, a few days ago pulled its lower casing after trying for several days to cut it. The workmen thought they had succeeded, but upon drawing it out it was found that the cutter had not worked, and as a result the whole string came up. The company is now reinserting the casing and has succeeded in getting down to within a few feet of the old level.

An experiment at Kern has proved that a cheap pavement can be made by using petroleum on a basis of broken rock superimposing a deep layer of sand. The work was done at the office of the express company. The gravel that surrounded the place was covered with a layer of crude oil. Over this was placed a layer of yellow gravel from the bluff and when this settled into the oil the result was a smooth and firm pavement. It would not be sufficiently durable probably for a place where a constant traffic was to be expected, but it would answer the requirements for a sidewalk in a fair-sized town.

SAN BENITO.

Nothing is doing at La Primera.

The Portia Oil company are getting ready to bore.

The World company is about to resume operations after a long rest.

Times are lively in Panoche and there are no idle men in that vicinity.

The Indian Valley company has ceased operations and shipped their rig to San Jose.

The Calistoga company is going down rapidly in the field south of John Ashurst's house.

The Ashurst Oil company got a crooked hole and pulled up and moved about twenty yards north.

A contractor has just completed the construction of two large tanks for the Hamiltonian Oil company. The Hamiltonian is boring with two shifts, night and day.

The Union-Mutual Oil company, organized in New York and composed of New Orleans and Texas capitalists, will begin work this fall on 33, 17-11 in

Vallecitos. The directors have offered Geo. Berg the position of manager.

The well of the Calistoga Oil & Development company near Calistoga has passed the 500-foot mark, and work is progressing as rapidly as the hard formation will admit.

The San Benito Crude Oil company is hauling a rig to O. C. Towle's ranch near Emmett. The construction of the derrick will begin as soon as the timbers are on the ground, which will be early next week. More rigs will start out immediately after the Towle rig is hauled.

The Hollister Petroleum Development company's well is down 195 feet with 16-inch casing. Two hundred feet of 14-inch casing has arrived. This will be put in below the 16-inch casing, lapping a few feet at the bottom, making about 390 feet of 14-inch casing, which is an excellent start for a deep well. The formation is alternate strata of sandstone and shale.

Mr. Robert B. Todd, general manager of the Calistoga Oil & Development company, reports from the Vallecitos district in San Benito county, where he has been for the past three weeks, that work on the company's well on section 18, 17-12 is progressing in a most satisfactory manner. The indications for an early strike of oil are continuing to improve as the drill sinks deeper. The drill is now running day and night and every effort is being put forth to complete this well at an early date. The well is already over five hundred feet deep.

LOS ANGELES.

Just off Buena Vista avenue in Los Angeles, Young & Co. report a well in progress.

On the College Home tract, Barmaster has rigged for a new well, and Green & Whittiger are deepening an old hole.

The Pennsylvania Oil company expects to reach oil sand in the city field at a depth of 1150 feet. It started a large hole recently.

On the Nettleton lease in the city field, the Consolidated Crude is endeavoring to deepen well No. 5, and prospects that oil will again be pumped from that hole are encouraging.

Maier & Zobelein have a new forty barrel producer on their property in the East End of the city field. They have been several weeks drilling, but the hole was declared completed when the drill had been dropped 1145 feet.

At Yale and Bernardo streets in the East End, the Union Consolidated Crude has just added two wells to its large string of producers. Both were drilled to the lower stratum of oil sand, and are said to be good for at least thirty barrels each.

SAN MATEO.

The Bella Vista Oil company is drilling steadily on their well near San Gregorio, and is down now over 1000 feet with good prospects. The drill is now in shale which comes up saturated in oil.

A new company called the San Mateo County Oil company has been incorporated. Most of the stock has been taken by Kansas City people of high standing. The president is J. Henry Tschudy of Kansas City, and the secretary is Chas. F. O'Brien of San Francisco. Work will commence in 60 days.

SOLANO.

Work was resumed on the Rochester well last week by putting down the drive casing. Drilling has been begun again and favorable progress is being made. Sufficient gas has been encountered to force the sand and water over the top of the casing.

The 7⅝ casing which was ordered for the Armijo Company nearly two weeks ago is expected soon and work will be resumed at once. The well is about 558 feet, and as drilling is much easier now rapid progress is expected to be made.

Captain George H. Corey of Portland, who has leased a large tract of land near Toland's landing for oil development was in Suisun last week and reported that the derrick would soon be completed. He said the machinery had been ordered and he confidently expected that spudding would be begun within two weeks.

SANTA BARBARA.

The Casmalia Ranch Oil and Development company operating in Santa Barbara county has levied an assessment of four cents a share. This company had a well down 1262 feet with good prospects when the tools were lost through a cave and had to be abandoned. The company has a standard rig and 4,000 feet of casing. A new well be begun at once.

TEHAMA.

The new pair of jars arrived for the Corning Oil & Gas company, and as soon as they could be taken out to replace the broken ones, work was again resumed. The drillers are pleased with the hard formation which has been encountered in the last 200 feet. A new 3000-foot 3-inch rope cable will arrive to replace the one now in use, which is beginning to wear considerably. On Saturday last the drill was down over 1300 feet when it cut through the body of soft sandstone and entered a stratum of very soft shale. Soon afterward a great volume of gas was encountered which rose to the surface.

VENTURA.

The Ramona company well is now showing up in fine style. The prospects are now favorable for a good producer.

Four new rigs have been ordered by the Union Oil company, it being the intention to drill new wells in the Torey country at once.

KERN.

The Southern Pacific is down 1100 feet on its last well at McKittrick on section 18. Indications are good.

Nanticoke, about three miles southeast of McKittrick has recently struck oil at about 1100 feet.

The Provident has 700 feet of rope in its hole on Kern River and is now trying to get it out.

The Phoenix Supply company intends to send a new perforator to Sunset soon. A man will be sent to the field as a representative of the company.

On 36, 28-27, the Hart Crude Oil company struck a gusher which is good for at least 300 barrels a day. It is reported that an Eastern syndicate is negotiating for the purchase of this entire section from the Hart Crude.

At Costa Rica.

W. E. von Johannsen, Consul General of Costa Rica, reports that the Costa Rica Petroleum & Coal Company has now nearly $100,000 worth of stock either paid or subscribed for. Development operations will commence in three or four months. The company has over 10,000 acres of valuable land conceded to it by the Costa Rican government. This land is valuable for agricultural purposes, and also contains vast deposits of anthracite and bituminous coal. When this is developed the company will command the coal trade of the West Indies. The company has also had conceded to it 400 meters out of every nautical mile along the coast which it can use at will for harbor and other purposes. The company pays no import duties and no taxes.

A limited amount of stock still remains at 25 cents a share.

APPRAISERS ARRIVE.

The Representatives of the $100,000,000 Combine in the Field

Tangible evidence of the progress of the the new Kern River Oil Combine, promoted by W. S. Porter, has been furnished by the arrival at Bakersfield of the three appraisers selected to fix the values of the Kern River properties. They are Bernard Biedenteldt of San Francisco, A. F. L. Bell, a Los Angeles engineer, and William Mulholland of Los Angeles. These gentlemen have brought an expert driller named Swartz with them and will spend a week in the field fixing the values of holdings and improvements.

Those entering into the combine for a corporation of $75,000,000 to $100,000,000 agree to transfer their property or stock to the new corporation. The method of transferring title is as follows:

"First—Each present owner shall be solicited to execute an agreement of sale or 'option' or grant deed, which, in the case of corporation, shall be accompanied with the statutory consent of the stockholders, granting into the new corporation for the period of seven (7) months from the date (stating date) the privilege of purchasing all property of such owners, and in the event it is desirable to purchase the stock of any corporation the price to be paid for said stock shall be arrived at by appraisement in the same manner as if the whole property were purchased. The consideration for each and all such purchasers shall be fixed as follows, to wit:

"(a) Fix the value of land owned, leased or possessed by different companies or persons or of the stocks thereof.

"(b) Fix the value of improvements thereon, such as wells, pipe lines, drilling rigs, pumps, water rights—in short, each and every improvement or appurtenance of value. The value of such improvements shall be the amount of the present estimated costs of replacing them. A committee of three competent men shall be selected to appraise all such improvements and appurtenances. An inventory shall be furnished the committee by each owner. Each company or individual shall accept the appraisement thus made, or show to the satisfaction of the undersigned collectively why the appraisement should not be accepted. The decision of two-thirds in value of the undersigned, according to the amount in the aggregate of such appraisement, shall be sufficient to arbitrate and settle any controversy or disagreement, and a decision shall be binding and conclusive upon the whole number of the undersigned. Substitute appraisers or alternates shall be appointed to act in case of disqualification by reason of interest or by reason of inability to act of any one or more of the original appraisers.

"(c) Fix the value of contracts, which will be the difference between the present market price per barrel of oil or the estimated cost per barrel of producing it and the price per barrel at which said contracts were taken; in the event of any owner having a number of contracts taken at different prices, they shall be appraised collectively at the average price per barrel.

"(d) The amount of the appraisement so established shall determine the price to be paid in consideration of the transfer of all said appraised property unto the new corporation, and the payment of such price shall be made in shares of the capital stock of said new corporation estimated at the face or par value thereof, excepting, however, in the case of contracts for the sale of oil, which contracts shall be subject to the following special provisions:

"The subscribers hereto agree that the cost of producing oil, or the present market price of oil, is 25 cents per barrel, and that all amounts received for oil delivered on contracts by the new company beyond such price shall be paid to the present owner of such contracts, respectively, in cash, at the several times when the money is actually received upon such contracts, and the owners respectively of such contracts shall transfer and assign the same to the new corporation and shall accept payment therefore in the above method.

"(e) Out of the treasury stock of the new corporation shares of stock equal to five (5) per cent of the par value of the shares of the capital stock that may be issued in payment for the money acquired by said new corporation shall be paid unto W. S. Porter for services and expenses in promoting the organization of the new company.

"Second—Such agreements of sale, so far as the value and situation of the property of the present owners will permit, shall be uniform in their provisions.

"Third—The instruments of sale shall be deposited in escrow with the Union Trust Company of San Francisco, to be delivered to the new corporation on or before the expiration of seven (7) months from the date of the issuance of the certificate of incorporation upon the delivery of the shares of the capital stock of the new corporation to the amount required in each instance, accompanied, with a new certificate under the hand of the secretary of the new corporation, with its corporate seal affixed, certifying that the directors of the new corporation have demanded the possession of said instruments of sale.

"This agreement shall be subject to amendment, addition, revision or concellation upon the concurrence of the parties subscribed hereto owning two-thirds in value of the appraisement hereinbefore provided to be made upon the several properties of the subscribers, which appraisements are to be made forthwith, and upon such two-thirds in value concurring, the whole number subscribing to these presents shall be bound as though all had concurred.

It is further agreed and stipulated that this agreement shall be immediately referred to the respective boards of directors and to the stockholders of the several corporations, which signatures are hereto subscribed, for ratification and adoption."

Struck Oil
South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,000 feet, with every prospect of striking oil.

In order to prove this land I will sell

50 ACRES AT $100 PER ACRE.

EASY TERMS

This offer must be taken up at once or it will be withdrawn.

None but principals need apply. For particulars address

B. W. W.,

Care of Pacific Oil Reporter

318 Pine Street, San Francisco.

ASTHMA CURE FREE

Asthmalene Brings Instant Relief and Permanent Cure in All Cases

SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

WRITE YOUR NAME AND ADDRESS PLAINLY

There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.

Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,

REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.

Dr. Taft Bros. Medicine Co.

Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease. Yours respectfully,

O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co.

Feb. 5, 1901.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.

Home address, 235 Rivington street.

S. RAPHAEL, 67 East 129th street, City.

TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

Do not delay. Write at once, addressing **DR. TAFT BROS'. MEDICINE CO.,** 79 East 130th Street, New York City.

ANXIOUS INQUIRIES.

Eastern Subscribers Asking Questions About Fake Oil Companies.

The PACIFIC OIL REPORTER is in almost daily receipt of letters from all portions of the east making inquiries concerning the standing of certain oil companies and oil brokerage firms. The following is a very good sample:

PHILADELPHIA, August 7th, 1901.

W. B. WINN, ESQ., Editor of the PACIFIC OIL REPORTER.

DEAR SIR: In the issue of July 5th, I saw the advertisement of the Standard Oil Promotion & Investment company, and answered the advertisement, but my letter was returned to me.

On the same day I saw the advertisement of the Pacific Petroleum Oil company, whose company is at Room 210 Hearst (Examiner) Building, San Francisco. Thinking the company was O K, I sent my check in payment of 100 shares of their stock, but as yet I have not received my stock nor the return of my check, so by the looks of it there are two companies that may want looking into, and I kindly ask you to let me hear from you in regard to the same. I think it would materially increase the value of your paper to always publish a full list of the bona fide oil companies, so the investing public could rely on those companies named by your paper to be genuine. And at any time one of your reporters found a fake or wild-cat company, then put them in a list so as to warn the public not to invest in them.

Hoping to hear favorably from you soon, and thanking you in advance, I am, Yours very respectfully,

In regard to the inquiries above will say that the gentlemen who are inquired about are supposedly all in Mexico. Their oil operations were of such a nature as to bring them before the attention of police authorities, and as neither Messrs Chaney & Ewing, of the Standard Oil and Investment company, or Mr. Lewis of the Pacific Petroleum company desired to endure the ordeal of a criminal court inquiry they made discretion the better part of valor, and fled the city.

In regard to publishing a list of of the bona fide companies of California -that is an impossibility. There are over 3,000 companies now operating in this state of which there are more than 1,750 in the Kern county alone. Many of these are producing companies having a large acreage. The trouble is that the average investor is not willing or able to buy the stock of these large companies. Few are able to purchase the stock of such established companies as the Peerless, Sterling, San Joaquin, Monte Cristo, Kern River and the like which sell from $5 to $10 or more. Most investors are after low-priced stock that can be bought all the way from ten to fifty cents. Companies that sell at these figures have not as yet drilled producing wells. When these are completed their stock will command as high a price as do the other big companies, but if the wells prove a failure the stock is worth nothing.

Yet almost without exception the stock of all the companies that are now selling at $5 and over a share started at 50 cents and even less.

There are a number of companies now drilling in new territory, that is in territory outside the proven belt. In every case the land has been examined by competent experts and has been pronounced as containing geological evidences of having oil beneath the surface. The buyer of stock is virtually a gambler as to whether or no oil will be found below. He buys stock now for 25 or 50 cents that in a few months will be worth either $1 a share and more or will be worth nothing. If he wins he compliments himself on his wonderful wisdom; if he loses he blames the company and calls the promoters fakirs, cheats, liars, etc.

As a matter of fact the real fakirs are very few. Men and firms of the Chaney and Ewing or the Lewis stamp are seldom found in the oil business in California. The few that remain are being rapidly crowded to the wall, and in a short time will entirely disappear. The grass is getting very short. The investing public is getting wise. But because a company fails utterly in its attempt to find oil in a new field is no sign of fake. The El Oro, on 7, 29-28 drilled most faithfully but in vain. They were west of the oil belt.

But the El Oro people are mainly the Crocker-Woolworth bank, and so no one dreams of crying "fake." The same is true of the Investment company in the Coalinga field. This company is composed mainly of Bank of California people, and has spent a good deal more than $30,000 in drilling one well without hardly a sign of oil. Yet those who put their money into this dry hole do not think of yelling "fake."

Take the Diamond Oil company. This company has had hard luck in that it claims to have lost about $7,000 through the dishonesty of one of its officials. It has a hole down nearly 1,000 feet, and will soon be starting up again if it has not already started. This company is drilling in new territory. There are probably over a thousand stockholders scattered all over the United States. If the company succeeds in striking oil as the experts say it will, the stock will go to par in leaps and bounds, for the company has 640 acres. If on the other hand the well is a failure the stock will be worth nothing, and there will be a chorus of howls from Maine to California. Those who sold the stock will want to get into a hole and pull it in after them. But if oil is struck these same oil stock sellers will be the best men in a dozen counties.

The company that succeeds is all right; the company that fails is all wrong. But because it failed is no reason for charging dishonesty.

Standard Rock Oil Co.

The dividends paid yearly by the Standard Oil Company have always been a source of great interest to all investors, but as a fact some of the California oil companies have paid far larger dividends. Old Captain Jones went hungry and poorly clothed trying to sell his desert land at the mouth of Brea Canyon at $8 per acre but finally had no difficulty in selling it for $135,000 last July after a flowing well had been drilled on the adjacent property. John A. Bunting in the Kern River district bought S. P. R. R. land at $2.50 per acre and two months later sold it to the Peerless Oil company at $100 per acre while they have refused $6,000 per acre.

A large advance in price of Standard Rock oil lands is expected in a few weeks. Their 160 acres in Napa county near Calistoga, worth now $200 per acre, will as soon as the Calistoga Oil Development Company's well is finished, be worth at least $500 per acre. Oil up there is worth $8 per barrel and a moderate well of fifteen barrels alone would pay dividends of 10 per cent to the Standard Rock stockholders, not taking in consideration that wonderful piece of land in McKittrick, $2500 per acre, surrounded by large producers and within ⅝ of a mile to the S. P. R. R. station. The company has a deal pending, by which two wells will be finished inside of ninety days and a good sized dividend can be expected from these two weils whi h, according to their neighbors, will be large ones unless a queer freak of nature should make them smaller which is one chance out of a thousand. But we advise you not to wait until that deal is completed or else you are liable to pay $1 par value for the stock which you can still buy at 20 cents per share for a short time. In a year the very stock may go to $5 and even $10 per share which taking into consideration the magnificent landholdings of the Standard Rock Oil Company, would not be so very extraordinary. It will be unreasonable to wait months in order to watch this stock creeping up steadily before investing.

As said before, even if you have invested a few hundred dollars, buy more as $500 worth of the "Standard Rock" shares may give you a return of $10,000 to $15,000 and a large yearly income besides. Many a less promising stock has made its owner rich and independent and we all take a risk in many other speculations which never could make such immense fortunes as oil stocks in California. The management of the Standard Rock Oil Company is considered by brokers and newspapers honest and progressive, the land is absolutely proven, and in quantity more than sufficient for a much larger company, as 332 acres of such valuable oil land can never be all utilized by one company in a lifetime allowing only one well to an acre.

The capitalization of the Standard Rock is very small—$300,000; shares on 332 acres. The price of the stock is too low, as the lands are worth almost as much as the stock sells for now without any producing wells. Now where lies the speculation in such a purchase? Don't waste your time in looking around for a safe investment. Ask the company, whose offices are at 475-76 Parrott Building, San Francisco, for information.

FOR SALE CHEAP.—A good Standard Drilling rig with two strings of tools. Wagons, galvanized wagon tanks, second-hand 9⅝ and 7⅝ casing. Lot of good lumber, dishes, stoves, etc. Everything in good order.

Box 77, McKittrick, Cal.

WANTED.—I desire to purchase 40 or 50 acres of land in oil section near Bakersfield close to railroad. Give price. Describe property.

FINANCIER, Box 595, San Jose, Cal.

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO

Capital ... $500,000

200,000 shares at $2.50

Location: 160 acres in Sunset district, Kern county

Officers and Directors—O B Burns, president, Wm E Stevens vice president, F J Brugiere secretary and treasurer, Samuel Hubbard J F McCarthy, G G Kenny

Office 807 Claus Spreckels building, San Francisco, Cal.

COMMONWEALTH OIL COMPANY. Capital stock only $100,000 Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president, G. B. Hoagland, M. D., vice-president; R. F. Fullington superintendent; Chas Conklin, secretary. 667 Market street, San Francisco, Cal

CYGNET PETROLEUM CO

Capital ... $150,000

50,000 shares at $3.

Location—Fresno county

Directors—Chas L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary

Office—561 Parrott Building.

Tel.—South 184

CARIBOU OIL MINING COMPANY.

Capital ... $100,000

100,000 shares at $1.00.

130 acres in the Coalinga district Fresno county.

Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.

Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.

Capital ... $1,000,000

1,000,000 shares at $1.00.

Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.

Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.

Pacific States Mining & Investment Company, fiscal agents

Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.

Incorporated.

McKittrick district. 16 completed wells; 110 acres proven ground.

Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers--John P Albro, President; A J Munton, Vice-president; T. A, Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.

Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.

Capital ... $200,000

200,000 shares at $1,

Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.

Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.

Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.

Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND

Capital ... $250,000

250,000 shares at $1

125,000 shares of treasury stock,

Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.

Officers, B F Arnold, President, Geo A Gray Secretary.

Office, 476 Tenth street, Oakland,

GRAND PACIFIC OIL CO.

Capital ... $1,5000.00

1,500,000 shares at $1 each.

Location: 160 acres in Sunset district, Kern county; 160 acres in MKcittrict Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.

Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.

Office: Rooms 412, 413, 415 Parrott Building, San Francisco.

T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL LAND AND DEV. CO.

Capital ... $600,000

par value $2.

Location: 600 acres in the Sunset and McKittrick districts, partly in Kern and partly in San Luis Obispo county.

Officers and directors: J S Potts, M D, president; Gavin McNab, vice-president; J B Hatcher, secretary; J A Logan, treasurer; D W Burchard, counselor.

Crocker-Woolworth National Bank, depository

Office: 1016 Market street, San Francisco, Cal

KETTLEMAN HILLS PETROLEUM CO

Capital ... $200,000

200,000 shares at $1

Location NW¼ Sec 15 Twp 23 S R 18 E Kings county 160 acres in Kettleman Hills district

Officers—Chas C Crowley president, John Ferrin vice president, Frank C Fabens secretary and treasurer, Frank P Kelly attorney, Chas W Nelson D Horland Wm J O'Connor. Depository Union Trust Co.

San Francisco office—Room 408 Examiner Bldg

Member of the California Petroleum Miners Association

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $[illegible]. Number of shares [illegible]. Land [illegible] acres in Sunset Kern and Templor districts. Directors—Dr A S Cook, M F Cochrane, D S Stanley, F [illegible] Weed, M Gardiner, I J Truman Jr, P I Betts. Officers—Dr A S Cook president, M F Cochrane first vice president, D S Stanley second vice president, F Weed, secretary, T M Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316 San Francisco

LINCOLN OIL COMPANY

Capital ... $200,000

Number of shares 200,000. All stock non assessable. Incorporated Sept 20 1900.

Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts. Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.

Officers, Irwin D Martin, president, J. H. Edson, secretary and manager.

Directors, Amos Seaman, R. T. McGinnis, Irwin D Martin, M. A. Edson, John S Wash, A. L. Todd, Jennie Ralston.

Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO.

Capital ... $1,000,000

1,000,000 shares at $1 each.

Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres

Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository Office at Monterey City, Cal.

OCCIDENTAL OIL CO. OF WEST VIRGINIA.

Capital stock 600,000 shares......par value, $1.00.

Officers: Wm. Crites, president: F. M Graham, vice-president; J. B Batz, treasurer; C. E. Hailstone, secretary; T L, Moran, manager; Kern Valley Bank, Cal. Depository.

M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA

Capital stock, 600,000 shares....par value, $1.00

Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.

Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY

Capital ... $600,000

600,000 shares par value $1.00 each.

Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district

Officers and, Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.

Farmers and Merchants Banks, depository.

Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE

Capital ... $500,000

500,000 shares, par value, $1.

Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.

Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.

Brant and Brown, attorneys.

Office: Room 1, 85 S First st., San Jose, Cal.

San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.

Incorporated under the laws of the state of Arizona, October 3, 1900.

Capital stock, 200,000 shares, valued at $1 per share, or $200,000.

Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.

Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.

Depository: First National Bank of San Francisco.

Safe Deposit Vaults, Union Trust company, San Francisco, Cal.

Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.

Capital ... $300,000
Treasury stock ... $150,000

Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.

Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.

Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Gaites block. Bakersfield. Cal

THE RAVEN OIL COMPANY, Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River. district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.

San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

USONA PETROLEUM COMPANY.

Capital ... $500,000

500,000 shares at $1.00

Incorporated under the laws of California

Location—[illegible] acres Midway district, Kern county leased from Bay City being 80 acres in N ½ of NW ¼ section 22, 32-23 and 80 acres, S ¼ of SW ¼ section 4, 32-23. Officers Geo W Turner President George R Hansbrow, Vice-president F N Sewell, Secretary and Treasurer, H W Merritt J H Dorn W W Hutchinson. Manage A Samuels Attorney W. R Stammers, Manager Union Trust Company, Depository. Office—[illegible] Safe Deposit Building, San Francisco Cal

U. S. OIL AND MINING CO.

Capital ... $300,000

Par value $1 per share.

Location 320 [illegible] Kern River District 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L M Underwood, president, P Ketelhut secretary

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100,000 shares at $5.

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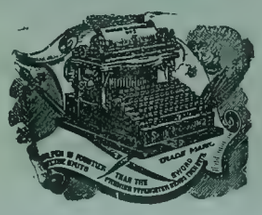

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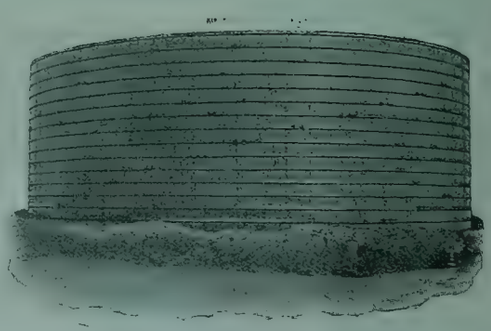

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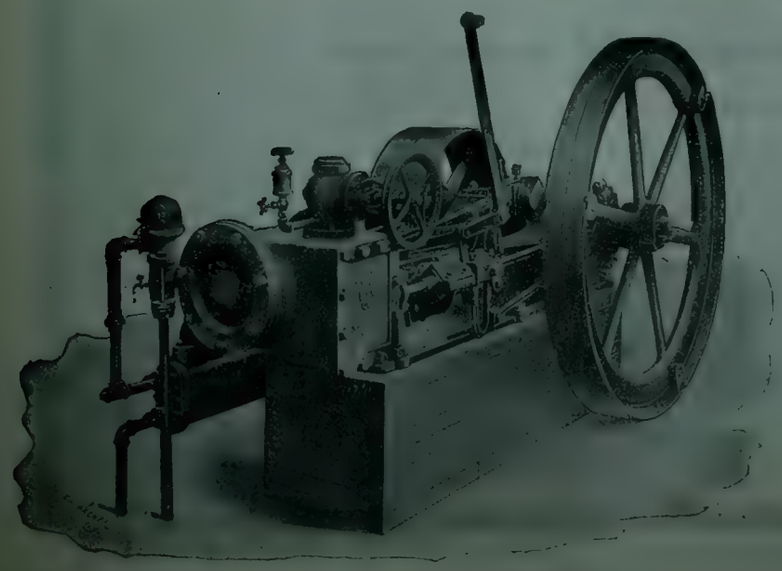

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VOLUME 2 NUMBER 42

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, AUGUST 23, 1901.

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PACIFIC OIL REPORTER

VOL. 2. NO. 42. SAN FRANCISCO, CAL., FRIDAY, AUGUST 23, 1901. PRICE, TEN CENTS

DRILLING WITH WIRE ROPE.

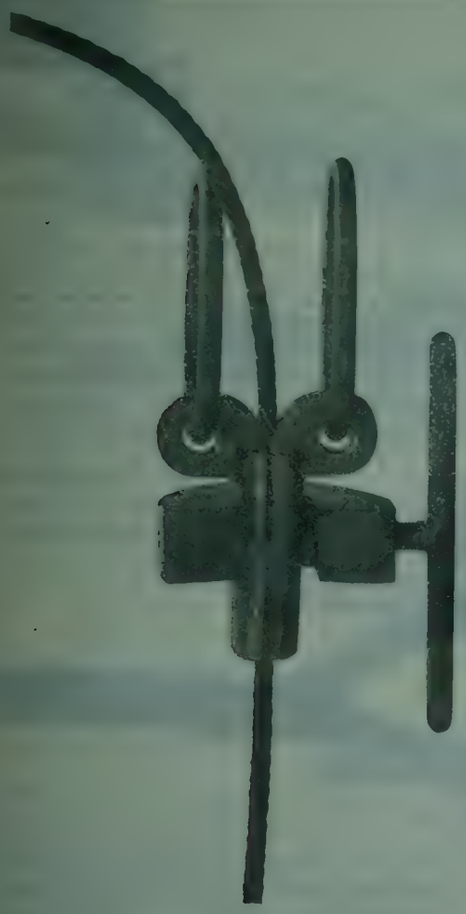
Some of the Practical Advantages Over Manila.

One of the most troublesome problems which confronts the driller, and one which causes more delays, accidents and profanity than anything else connected with the oil business, is the frequent breaking of the manila cable to which the tools are attached.

Just why drillers have clung to this manila cable so long after wire rope has displaced manila for so many other purposes it is hard to to say. A few years ago manila was the only material used for sand line, and the prejudice against wire sand line was so strong that drillers insisted on putting a short piece of manila next the bailer. Now manila has been practically discarded for this purpose and wire sand line is the only kind used. Wire drilling line has superseded the pole rig in deep artesian well drilling in Australia for years past, and has also been successfully employed in America.

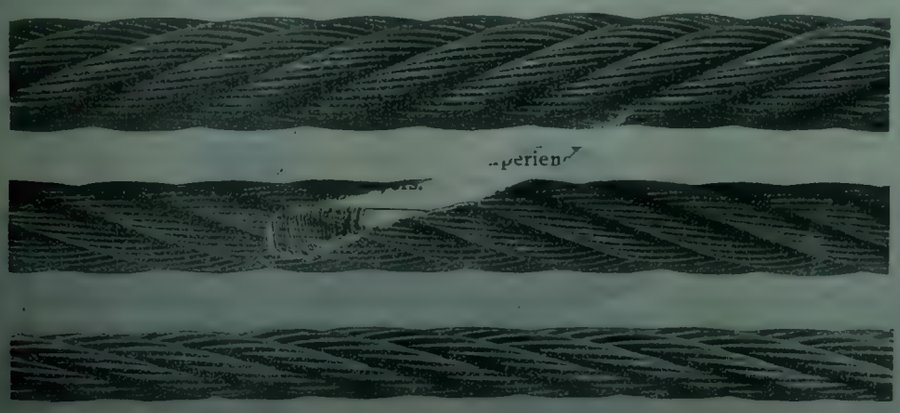
There is no question but what the wire drilling line offers very material advantages over manila. To begin with, the first cost of 2⅛ manila drilling cable is from 23 to 24 cents a foot at present prices, while ¾-inch wire cable, which may be considered equivalent, costs from 3 to 4 cents a foot less. The wearing qualities of wire rope are at least three times that of manila, and oil, water and other material which have so destructive an effect on the latter, is of benefit to wire. The breaking strain of a ¾-inch wire cable is 27 tons; that of a 2⅛-inch manila is 17 tons when dry, and less when wet, as is usually the case in oil wells. The enormous strength of the wire cable makes it possible, when anything sticks in the hole, to put on steam and pull everything out regardless of obstacles, without delaying until the sand covers up the tools and sticks them fast, and something is bound to come, the only limit in this direction being the strength of the derrick. If a break does occur, which is not probable, the point of weakness with metal rope is just above the point of joining to the socket of the swivel, where the most wear occurs. By keeping watch on this point, which can be cut off and babbitted in again with little trouble, the difficulty of breaking cables and fishing jobs can be avoided.

The necessity of keeping touch on the cable to see that it is striking bottom fairly is made easier with wire, because the wire is so



Wire Line Clamp Used for Hanging Under Beam.

Spudding Shoe Used With Wire Line—Spudding May Be Carried to Great Depth if Desired.



Drilling Line Made by American Steel and Wire Company—¾ inch Diameter—Laid Opposite to Usual Direction.
American Steel Pumping Line—⅝ Inch.
American Steel Sand Line—½ Inch.

Exterior. Section.

Swan Drilling Swivel—(Automatic Turning.)

much more sensitive that the slightest vibration or jar can be distinctly felt on the instant.

Under-reaming is made easy and practical in hard formations, and it is easy to tell if the work has been thoroughly done by slacking until the weight has been relieved.

It is a self-evident fact that a ¾-inch wire can be used in a smaller hole than a 2½-inch manila cable, and this is a desideratum in drilling deep holes in prospective territory.

The application of wire rope to drilling requires some appliance to meet the peculiarities of the material. It is necessary to turn the tools constantly in order to get a straight and even hole. Wire rope, if twisted around, would untwist itself as soon as the force applied was removed, and to meet this difficulty a swivel must be provided. Wire drilling rope is laid in the opposite direction from other wire rope to meet this requirement, and W. W. Swan has invented a swivel which not only permits the tools to be turned but makes the turning automatic and independent of any action of the driller. When wire rope is allowed to fall suddenly with a weight attached the natural tendency is to swing in the direction opposite to the twist, which with drilling rope is to the right. When the strain is taken off the elasticity of the wire brings it back to the original position.

This tendency is utilized by means of a cam and bevel, which has been substituted in the Swan swivel for the ratchet first employed, so that action is frictional and all shock is avoided. The swivel, which in other respects is like the illustration, consists essentially of a rope-socket to which is attached a revolving piston, which turns freely inside a shell. The effect of the jar on the wire is sufficient to keep the tools constantly revolving. In a model apparatus rigged for spudding on exhibition at the American Steel & Wire Company's works in this city, the swivel gives a one-quarter turn with each eighteen-inch drop.

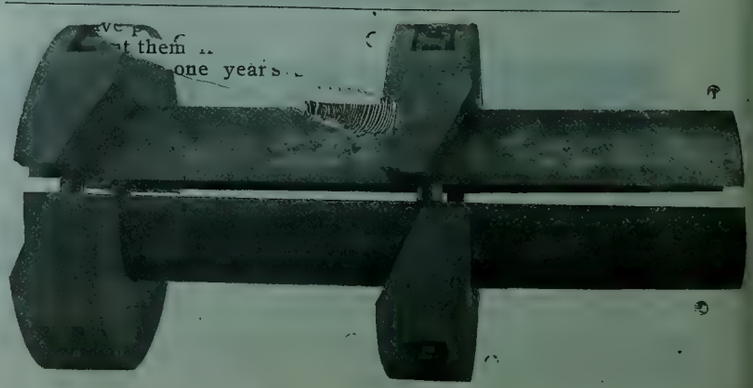
To fit a standard drilling outfit with wire, it is necessary to provide a drum which is clamped to the bull-wheel shaft, with the center line of rig in the center of the drum. In addition to the drum and the swivel already mentioned, a wire line snatch block, wire rope clamp, and a wire line spudding shoe are necessary accompaniments of a wire rope. The swivel costs $125. The wire, after being led through a snatch block attached to the main sill, is carried over the crown pulley in the usual manner and made fast to the end of the drum with spikes or staples. Kinks must be carefully avoided. To make connection with the tool socket, the strands are untwisted after being run through the socket, and are bent back and the socket filled with melted babbitt, which makes the cable secure. The wire rope clamp which is used to hitch under the beam does not require the cable to be wrapped with yarn in order to make it fast, as with manila. It can be screwed as tight as desired without injuring the rope—the tighter the better. A few twists on the wire before tightening will tend to keep out the kinks. Spudding can be carried on to any depth, even a thousand feet, without injury to the cable if kinks are avoided. A special spudding shoe is required. In drilling the feeding is done by a temper screw as usual, being careful to feed regularly and often and to keep the drill striking evenly. A wire cable is not at a disadvantage in a wet hole, and if necessary the hole can be filled with water to keep down the sand without detriment to the working. Wire drilling line has been used with the Swan Drilling Swivel on the Wilson Oil Company's property at Kern River by Driller J. E. Gray; on the Maricopa property at Sunset by Swan, a brother of the inventor; and at Coalinga by Livermore. In these cases results are reported to be satisfactory. Wire cable is also in use on the Murphy Oil Company's property at Whittier.

Wire drilling rope has been successfully used with the Swan Swivel in the artesian wells in South Dakota, in a formation of caving, sticky shale with hard shells. Experience showed the advantages of wire over manila to be in the proportion of five to one. Four out of five wells from 800 to 1000 feet deep, cased with eight-inch drive-pipe, were completed n thirty days or less. In Australia, where the artesian wells are sunk from 3000 to 5000 feet below the surface, in water ranging from 140 to 200 degrees Fahrenheit, galvanized wire rope is used exclusively. Certainly no California oil well will be called upon to stand any such a severe test as this. It is probable that when California drillers, who are slow to adopt new methods, become familiar with the use of wire rope for drilling it will take the place of manila just as it has done with the sand line.

Method of Cutting Wire Rope on Anvil for Attaching to Socket.

Tools Used in Splicing Wire Rope.

Tubing Line With Loop Spliced in.



Reel for Winding Wire Rope.

OIL MEN IN SUMMER.

Hardships of Drilling in the Hot Season.

Now that the end of the summer is coming into sight, the Herald offers a passing word of praise to the men behind the drill, many of whom have suffered great hardships during the last few months.

The oil fields of California occupy various topographical positions, some being perched on mountain peaks overlooking the ocean, which are about as enjoyable locations as could be selected for spending the hot summer days. Other fields are in deserts, where there is rarely a cooling breeze, and where the temperature reaches over 100 degrees day after day. This year has even been much worse than the average season, because to the extreme heat there has been added a humid condition rare in California.

In the Kern River field, for instance, the heat has been great, and laboring men have suffered greatly in consequence. In the Sunset, McKittrick and Midway fields the same condition has existed, save that the suffering

has been intensified by the absence of pure water, and a number of cases of fever have resulted, some of them with fatal termination.

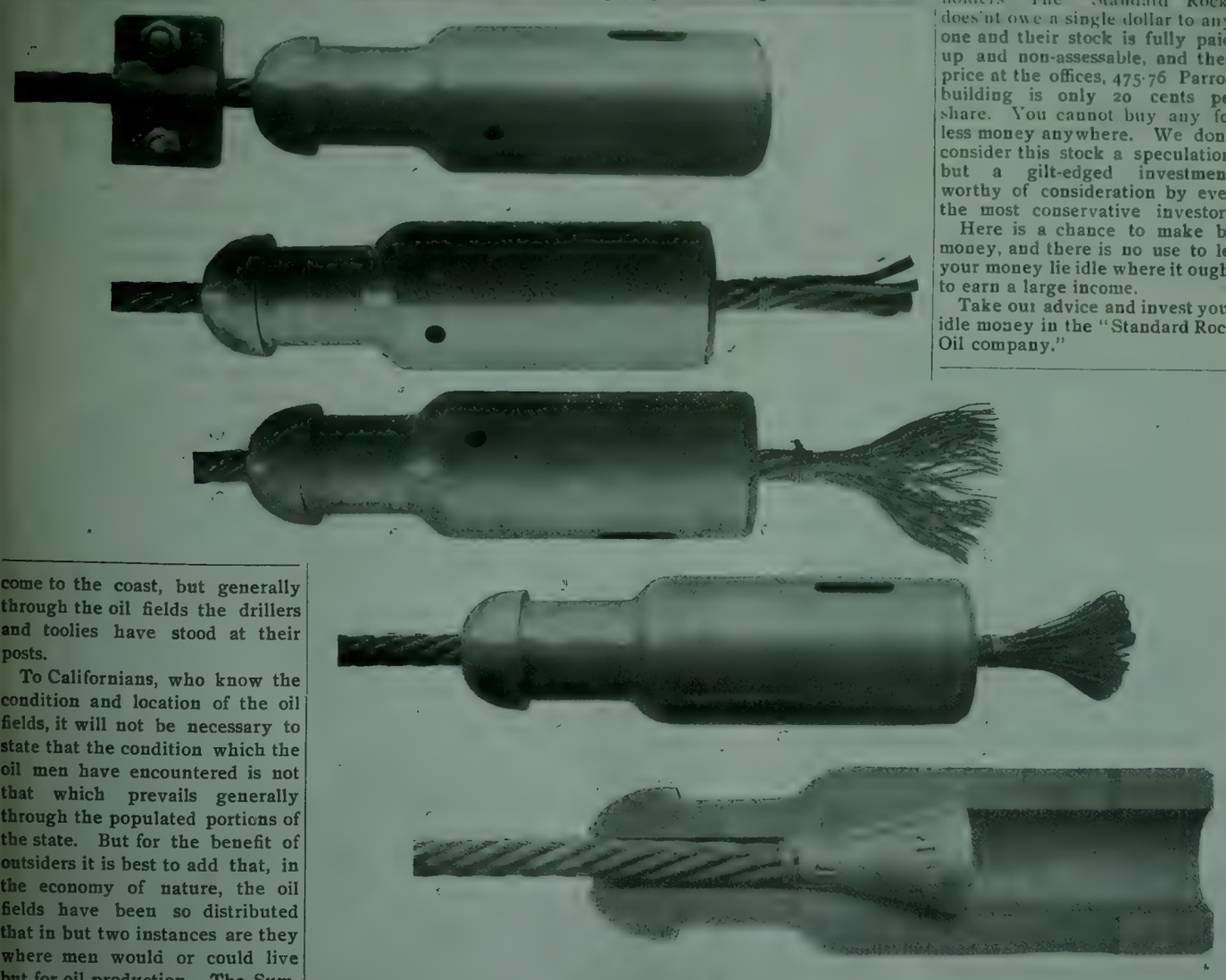
On the Mojave desert, at Kramer, there has been a little work doing, while the heat has been even greater than in the San Joaquin valley, and on Carriso creek, on the Colorado desert, there has been a greater force of men employed, under much the same conditions.

In some instances among the desert drillers the men have felt at times that the heat was unbearable, and they have quit work to come to the coast, but generally through the oil fields the drillers and toolies have stood at their posts.

To Californians, who know the condition and location of the oil fields, it will not be necessary to state that the condition which the oil men have encountered is not that which prevails generally through the populated portions of the state. But for the benefit of outsiders it is best to add that, in the economy of nature, the oil fields have been so distributed that in but two instances are they where men would or could live but for oil production. The Summerland field occupies a narrow strip along the ocean beach and into the ocean, in a prolific section of the country, while the Los Angeles field traverses this city. Every other field in the state is on some forbidding place, made so either by its topography, or because of the absolute and complete absence of all inviting elements in those particular locations. Heat, continuous drought, poisonous water and poisonous minerals mixed with the earth combine to make applicable to several of the fields that designation chosen for one—Devil's Den.

Fortunately there has been a great reduction in the number of men employed in the fields of the state, many of them having gone to Texas, where the conditions are even worse, on account of the prevalence of disease. But out of the total workers about oil wells, many have found the depression in the industry an excellent excuse for taking summer vacations in the more pleasant and more populous sections of the state.

A few months since there was a surplus of drillers in the state, but with the resumption of work by many companies within a month or two it is believed that there will be work for all now here. So many have gone to Texas or returned to their former homes in Pennsylvania and other Eastern States, that, while there will probably not be a demand for as many drillers as were at work a year ago, for a considerable time, it is belived that there will be a quite even balancing of the supply and demand for experienced oil well workers.



Method of Preparing and Babbiting Wire Drilling Line in Rope Socket.

Safest on Earth.

There are today numerous companies whose shares went begging at 25 cents per share less than a year ago and today they could not be bought at $1 par value nor for $2.50 per share. They pay large dividends and have made the lucky investor small fortunes. Men who had invested less than $1,000 have made all the way from $30,000 to $500,000 and over. Who are they? There are so many that we can only mention a few. Mr. Chas. Fall, Councilman in Los Angeles, $50,000. Messrs. L. E. Mosher and Harry Chandler, $40,000 each. Clark & Bryan, $75,000. Anderson & Chanslor, $500,000 each. Jewett & Blodgett, millions, Canfield over a million. Ed. Doheny, $100,000. President Neuer of the Central Oil company, over $100,000. Senator Bulla of the Central Oil company, $75,000; W. E. DeGroot, $100,000; Ben Scott, $100,000; Dr. Book, $100,000; D. G. Parker, $100,000, etc. There is no end to the men who have realized $10,000 to $20,000 within the year passed. But these men have made their money through careful selections and not by investing in any old company which advertises in any and all papers published.

Remember there are always three prominent points to be considered:

1. Quality and quantity of oil lands owned by company.
2. Is the management honest?
3. Is the price of the stock low enough in order to give the investor a chance to make money when the shares are rising in value?

All these three points are of utmost importance and should be seriously considered. Many companies omit, for obvious reasons best known to themselves, to tell where their lands are located, but you find several companies as the Kern River company, the Peerless, the Home Oil company and many others, also the "Standard Rock" Oil company, which own oil lands in the best districts in California. The "Standard Rock" is positively known among the oilmen as the "Reliable and Strictly Legitimate", and even the oil journals and newspapers refer to them as such. The directors of this company have no other end in view but to pay good dividends to their stockholders. The "Standard Rock" does'nt owe a single dollar to anyone and their stock is fully paid-up and non-assessable, and their price at the offices, 475-76 Parrott building is only 20 cents per share. You cannot buy any for less money anywhere. We don't consider this stock a speculation, but a gilt-edged investment, worthy of consideration by even the most conservative investors.

Here is a chance to make by money, and there is no use to let your money lie idle where it ought to earn a large income.

Take our advice and invest your idle money in the "Standard Rock Oil company."

Asphaltum From Oil.

E. E. Bush has recently received a sample of the asphaltum which his oil company at Bakersfield has been refining from the crude material. The refining of the raw material has been on an experimental basis until recently, when the product was found to be of such excellent quality that more of the crude oil has been converted into asphaltum. A carload of the refined product was recently sent to Mare Island, where it will be used for naval purposes. More asphaltum was wanted by the government, which the oil company was unable to furnish with the present facilities for refining the same.

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W B. WINN, Editor and Publisher

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FRIDAY, AUGUST 23, 1901.

Kern County Combine.

The combination of oil-producing companies in Kern County is fast taking definite shape. The appraisers are now in the field and are working as rapidly as the importance of their duties permits.

The appraisers are Bernard Bienenfeld, a San Francisco geologist, and well acquainted with the values of oil lands; A. F. L. Bell, a Los Angeles engineer, and William Mulholland of Los Angeles. They have with them an expert driller, Mr. Swartz, who will give them the benefit of his practical knowledge.

Nearly all the companies of their own accord have expressed not only a willingness but a desire to enter into the proposed combination, for the reason that it seems to be the only practical method of solving the problem which at present confronts the oil industry, especially in Kern County.

Instead of pulling together and trying to better their condition the oil men have been pulling against each other, and as a consequence the load they have been trying to draw has not moved a step forward. Unwise and unnecessary competition has been the order of the day, and oil which is worth to-day over 50 cents a barrel has been sold for 25 cents, and even less.

There is no reason why oil should be sold at a lower figure than makes it a successful competitor with other fuels, coal especially.

If average steam coal is worth in San Francisco $5.00 a ton then it is unnecessary to put the price of oil down to a figure less than that which makes it a successful competitor with coal.

It requires about three barrels of oil on the average to equal the fuel capacity of one ton of coal. On railroads it is estimated that four barrels of oil are equivalent to one ton of coal on account of the loss of heat units in the oil through imperfect combustion. In properly arranged furnaces it is contended that two and a half barrels of oil, and even less, will equal the heat units of one ton of first-class steam coal. Now, if we lay three barrels of oil, the equivalent to one ton of coal, down in San Francisco for one-quarter less than the coal costs it makes the oil a successful competitor with the coal.

This is simply taking the relative money value of the two fuels without taking into consideration the difference in the cost of labor required in the storing and handling of the two fuels.

If a ton of coal costs $5.00 to the manufacturer and the oil is to be laid down here at one-quarter less than the cost of the coal, three barrels of oil (equal to one ton of coal) ought to cost the manufacturer $3.50, or $1.16 2-3 a barrel.

Allowing that the freight rates of 42½ cents a barrel stand, this would give the oil producer 74 cents a barrel at the well.

If the Railroad Commissioners lower the freight rates on oil from 42½ cents to 30 cents a barrel, and the difference is added to the producers' end of the business, it will give them 86 cents a barrel at the well, which is just a fair price.

Oil cannot be produced at less than 25 cents a barrel, and there is no reason why it should be sold at the well for less than 50 cents at least.

In Los Angeles, where oil is now generally used as fuel instead of coal, and where the average production of the wells is not in excess of twenty-five barrels a day, oil is sold from 70 to 80 cents a barrel by the Oil Storage and Transportation Company, and the manufacturers use oil at these figures in preference to coal at $5.00 a ton.

The superiority of oil over coal as a fuel is not merely on account of the difference in the first cost, but is also on account of the other advantages accruing.

There is less cost in the handling of the fuel, there being no coal bunkers to fill and no shoveling necessary, and the number of fuel handlers is materially decreased. There is no soot, no ashes, no cinders. When heat is not required the single turning of a cock puts out the fire. There is a marked decrease in the dirt that is sure to accumulate where coal is used. There is no necessity for using coal bunkers, with their accompaniment of stationary engines, swinging buckets, an army of coal passers, etc. In fact the gain is not simply in the first cost of the fuel, but in its resulting and accompanying benefits.

These facts are being more and more realized by the fuel consumers. There is hardly a case where one who has used oil instead of coal has gone back to coal. Once used it is always used.

These being the facts there is no reason why the oil producers should not get together and help each other. There is no necessity for competition in the business. There is no reason why one company should be obliged to undersell another in order to dispose of its oil.

The interests of all the companies engaged in producing oil are the same. What hurts one hurts all. What benefits one benefits all.

The proposition now being laid before the producers is not one that if it succeeds will make the proposed combine the competitors of the Standard Oil Company. They will sell the Standard Oil Company all the oil they want if they will pay a fair price for it, and they can sell to the consumers.

Neither is it the intention of the combine to injure or to crowd to the wall the small producers. If the large producers will be benefitted by this combination the small producers will be equally benefitted. If the companies that have from 80 to 640 acres of oil-producing territory are willing and desirous of coming into the proposed combination, then the companies that have 10 or 20 acres should join from the same reason They will receive benefits just in proportion to the amount of oil they produce, and they will receive shares in the new company in proportion to the oil value of their land.

This last is now what the appraisers are working on. They are proceeding just as rapidly as they can, but the nature of their work is such that they must "make haste slowly." After their labors are ended the results must be submitted to the producers themselves, amd any complaints will be listened to very carefully, and, where the appraisers are deemed to have been at fault, new adjustments will be made and new valuations placed on properties.

Matters are shaping themselves satisfactorily. The largest companies and producers are all in line and every day is adding to the number of those who desire to have their land appraised and to enter the combination which is to result in an increase in the price of oil, and will better the general welfare of the oil industry.

Stocks Firmer.

Stocks are much firmer at the Producers' Oil Exchange this week. Not only have the sales more than doubled what they were a month ago, but in almost every stock offered the prices have advanced very materially.

The following table shows the number of shares and the amounts paid in the Producers' Oil Exchange for the various weeks commencing with June 5, 1901:

Date.	No. Shares.	Amount.
June 5	28,910	$12,226.17
June 12	54,484	28,923.79
June 19	50,990	25,502.66
June 26	18,489	20,219 62½
July 2	15,915	13,752.12½
July 10	17,106	7,535.25
July 17	17,172	17,297.23
July 24	20,831	13,838.25
July 31	31,595	11,821.08
August 7	37,693¾	15,632.75
August 14	34,710	29,714.25
August 21	52,580	36,185.25

The following show how stocks have advanced from July 17.

Stocks.	From.	To.
Home Oil	$ 2.00	$ 3.50
Hanford	98.00	113.00
Junction	.08	.23
Four Oil	.36	.40
Peerless	4.90	6.00
San Joaquin	7.37½	8.50
Sterling	1.25	1.40
Twenty-Eight	1.25	1.50
West Shore	2.25	3.00

The list might be lengthened to include almost every stock on the market. The fact is the stock market is growing firmer, and in spite of the strike and other causes which have tended to lessen oil consumption, make money scarce, and lower confidence, the oil industry is growing in public confidence, and those who have money are investing largely in the stocks of companies that are well located and rightly managed.

South of the River.

Panorama, south of the river, is down 1225 feet with nine and five-eighths casing. This will make it possible to go to a great depth and thoroughly prospect the territory. Three oil strata have been passed.

Spring No. 2 is down 250 feet and in oil. The water has been shut off and work is proceeding.

Advance in Prices.

Oil mining securities have recently been showing an upward movement in prices, after some months of disastrous trading in which a policy was pursued that occasioned considerable damage to short-sighted speculators. At no distant time stock in legitimate oil companies will again regain their firmness and find ready buyers at prices in accordance with their true values, while those who dumped their securities during the period of bearish onslaught will view their folly with repentance. The outlook for legitimate oil companies was never brighter than at present. Investors who are conversant with the situation and its great possibilities are investing largely in oil mining securities, and companies that are judiciously handled will be able to receive the support of investors and find no trouble to dispose of stock at fair prices. The Standard Consolidated is a corporation whose methods have been most effectual and is consequently basking in the smiles of popular favor. Their second block of treasury stock, which can be purchased at 20 cents per share, is meeting with a ready call from investors of all classes who are desirous of sharing in the profits that will accrue when the oil bearing properties of this company are developed.

THEY FEEL HURT.

A Los Angeles Paper Gets Wrathy.

The Los Angeles Oil Era recently discovered it could not get along on oil and so changed its name to Oil, Copper and Finance in the hope that by adding the last two industries to oil it might manage to continue its existence. As the Oil Era the paper was never lacking the tendency to cast a sly fling at everything that pertained to San Francisco and this portion of the state from Tehchapi north, and since it changed its name it seems to have developed even worse characteristics.

Last week's paper devoted two columns of abuse to Kerr's Reports in defense of Los Angeles oil companies that are just now under criticism and which were referred to in a recent circular from this agency which, by the way, is accomplishing much good in obtaining data in regard to oil companies all over the state. It makes it its business to find out all the facts it can, and many companies which have advertised themselves as being perfectly reliable have been found to be lacking in many of the qualities that make up a sound company.

The paragraph in Kerr's Reports, to which Oil, Copper and Finance objected is as follows:

The oil sharks of the east with their wildcat methods for the sale of their so-called development stock have advertised dividends and profits and made statements in glaring lines nothing short of wholesale lines. The wildcat methods of such companies as the Diamond Star, the Santa Maria, the Central Star, the Hawkeye, the Eastern Star, Old Glory, the Eastern Consolidated, the Big Panoche, and a dozen Texan oil corporations, and a score of so-called investment companies have resulted in a sort of share debauchery from which it will take legitimate interests a long time to rectify and recover.

After quoting the above the paper goes on to say:

Three of the companies included in the quoted arraignment were at the very time the lines were penned noted among the most successful, best dividend-paying oil companies in the State. One of these companies has paid nine dividends, aggregating 18 per cent on the price of its stock since its organization in July of last year. Another has paid four dividends, or 8 per cent since last December. And the third has paid one quarterly dividend of 6 per cent since last February. Each of the three owns the property from which it derives its production, each has excellent plants and each company is free of indebtedness of any character. Each has been managed from the outset by experienced, capable oil operators and business men. All of these facts were easily ascertainable by Kerr's Agency, but no attempt was made to secure them.

When asked concerning the above statements Mr. Kerr thinks the companies referred to were the Diamond Star, the Central Star and the Eastern Star oil companies.

The Diamond Star Oil company, $250,000 capitalization, par value, $1, was organized July 28, 1900 by Schermerhorn, Robinson and Richie.

The Central Star Oil company, $600,000, par value $1, was organized December 8, 1900, by Schermerhorn and Richie.

The Eastern Star Oil company, $2,000,000 capitalization, par value, $1, was organized January 20, 1901 by Schermerhorn, Robinson, Richie et als.

These three star companies were organized and consolidated under the name of the Potomac Oil company, July 20, 1901, with a capitalization of $2,850,000, par value, $1.

The Eastern Consolidated Oil company, $5,000,000 capitalization, par value, $1, was incorporated this spring under the laws of Maine. The stock was handled by the L. E. Pike company. These so-called "Fiscal Agents" handled the stock of the Diamond, the Central Star and the Eastern Star companies. The land holdings of the Eastern Consolidated, ten acres in section 29, township 28 south, range 28 east, in Kern was a $70,000 deal engineered by Schermerhorn. The said title is now in litigation.

The original of all these oil companies was the Success Oil company, organized in March 1900, by H. J. Young and Richard D. Robinson. They sold some $5,000 worth of the stock of that company. These men leased the Daniels and Craig place at Summerland, Santa Barbara county, and after putting up the derrick and rig and employing Schermerhorn as a driller and after doing nothing for a month or two they forfeited their leases. When Schermerhorn, Robinson and Richie organized the Diamond Star they absorbed the Success company, giving four shares of the Success for one of the Diamond. The Success dropped out of sight in July, 1900.

The Diamond Star made a deal with the well driller and contractor, J. W. Churchill, for eleven producing wells at Summerland Mr. Churchill was paying a royalty of 10 cents a barrel, and selling the production to the Oxnard Sugar Beet company at 90 cents a barrel, netting him about $285 a month.

On this income the Diamond Star advertised through Pike, that they paid 2 per cent per month dividends.

Mr. Churchill has repeatedly stated that he sold the wells to the Diamond Star under contract, but that he handled every cent and that the Diamond Star did not nor would not get a cent of the product of the wells until they had paid up in full. The Diamond Star claim to have paid $10,000 for the wells. It is generally believed by all well posted oil men that Robinson, Richie and Schermerhorn "paid their 2 per cent monthly dividends" out of the proceeds of stock sales by the fake Bankers and Fiscal Agents, Pike & company.

J. W. Churchill handled all the royalties until January, 1901.

The Diamond Star was organized in Arizona, but it has not filed its articles of incorporation in this state, nor in Los Angeles or Santa Barbara counties within recent date. These Summerland leases are in litigation.

The Central Star has a few thin producing wells near the Baptist college in the West Los Angeles City field; they pump a large percentage of water.

THE MONARCH.

One of the Best Companies in Kern County.

The Monarch Oil company is one of the most successful companies now operating in Kern county. The property comprises 1280 acres located in different portions of the county in the Sunset, McKittrick, Cottonwood and Midway districts. The company has two of the best wells in the Sunset district, and in fact was the first company to develop large producing wells in section 2, 11-24, the first well being completed a year ago last July. In Sunset district the company owns 160 acres and now has two completed wells, well number one yielding an average of 125 barrels a day, and well number two, which is now capped waiting for the advent of the railroad, being good for 250 barrels a day. The company has a contract with Jewett & Blodgett for all the product of well number one until the railroad comes into full operation, the oil bringing 90 cents a barrel at the well. All the company's land in the Sunset district is producing oil land and is worth at least $2,000 an acre. The company has two rigs and two complete sets of tools.

The Monarch Company has made two leases, one to the Tremont Oil Company of 20 acres, and one to the Obispo Company of 20 acres. The Tremont Company has already drilled a well which is good for 400 barrels and the Obispo Company expects to go to work immediately. Both these companies will work two rigs and two sets of tools and will soon have all their holdings producing oil.

The Monarch is rightly considered one of the best oil companies in the field, and the officers and management are first-class. The stock is selling today on the board for 26 cents, and is regarded as one of the best buys on the market. But little of this stock is offered as the holders are all expecting a raise as soon as the railroad is completed into the field which will be on or before September 1st.

The secretary of the company, W. C. Carpenter, is now in the east and is promoting the success of the Sultan Oil Company which has a first-class holding in the Midway district next to the producing wells of the Bay City Oil Company. It is expected the railroad will be extended from Sunset at once into the Midway district which will make land here very valuable.

Well No. 1 of the Monarch Oil Company.

A Chicago Company.

A Chicago company, called the Obispo has just been organized and promises to be one of the most energetic now operating in the California fields. The president of the company is J. F. Giles, one of the best known men in educational and business circles in Chicago. The company has already secured 12,000 acres in San Luis Obispo county, has a one-eighth interest in 1,000 acres in the Fresno-San Benito district, has leased twenty acres in the Sunset district from the Monarch Oil company, and has practically bought forty acres in the heart of the Kern River district. Mr. Giles will move his family at once to California, and the company will start practical operations at once, the drill being dropped first probably in Sunset district.

WANTED.—I desire to purchase 40 or 50 acres of land in oil section near Bakersfield close to railroad. Give price. Describe property.
FINANCIER, Box 595, San Jose, Cal.

United Oil Producers.
PHELAN BUILDING
Fuel Oil a Specialty

OIL ON ROADS.

Paper Read by Supervisor White of San Bernardino County.

In San Bernardino county we commenced using oil on our roads last year. Mr. DeCamp, of the Dustless Roads company, brought the matter before us at a meeting of the board of supervisors, early in the year. We arranged to go with him over some oiled roads in Los Angeles county. We called upon the Los Angeles board, who kindly showed us over roads near Alhambra and Pasadena. where oil had been used the year before. We were favorably impressed with the results, and concluded to try it on roads in the neighborhood of San Bernardino.

It being an entirely new thing to us, and none of the board having had any previous knowledge of applying oil to roads, we contracted to have the work done, on from twenty-five to thirty miles. The idea was to keep the dust down to use it as a substitute for sprinkling with water; and the contract called for a dustless road from the 1st of May to the 1st of December, the contractor agreeing to put on three applications of oil during the season. The results were, for the most part, satisfactory.

But we have learned considerable since then, and are still learning. This spring we felt capable of doing the oiling ourselves, and put on one application—during June and July, which has given better results than the three applications by the contractor last year. The contractor's idea was to keep the dust down, so that he used only enough oil to accomplish this; we have gone a step further, and while keeping the dust down, we have attempted to build up a surface on the road that will take the wear of travel.

To do this requires a generous supply of oil in the first application. It is economy in the ultimate result, to put on all the oil in the first application that the surface of the road will take; the oil to be as hot as possible, from 200 degrees up. We used from 100 to 150 barrels to the mile; and in places even more than that—applying it sixteen to eighteen feet wide. In putting on this quantity there were places that had too much oil, and other spots, that had not enough. These spots were gone over again.

On spots having too much oil, some dry dirt from the side of the road was thrown, or if it was a graveled road, some fresh screened gravel was sprinkled on; just enough to take up the surplus oil, and no more. On the loose spots requiring more oil, additional oil was run, and with shovel or hoe and rake, it was thoroughly mixed with the loose material entirely to the bottom of the hole. This then packed down from the travel.

For doing this, we have what we call a "repair outfit," a tank holding six to eight barrels of oil, set on a wagon gear, with a two-inch hose ten to twelve feet long, extending from the bottom of the tank, with a nozzle and cock on the end, and cock on the outlet of the tank. The tank has a large opening on top, covered by a cap, through which can be lowered a bundle of brick or stone, heated by a fire alongside the road, for warming the oil, in case repairs are made in cold weather.

One man and two horses can manage the outfit. It can be used in working over loose spots in the rock when making the first application of oil, and subsequently in keeping the road in repair. The tools needed with it are a shovel, hoe and rake. Whenever a place in an oiled road commences to cut, the repair man should start with his outfit. In this way the road can be kept in good condition with comparatively little expense.

From our experience it is not advisable to apply oil on any roads, except those made of a material having a firm consistance. Oil applied to a sandy road, or one formed of loose alluvial soil, will tend to keep the dust down, but will not make a satisfactory road. Such a road should be first surfaced with a firmer material and then oil applied. On the other hand, a road may have too tight a surface to absorb oil; in that case the surface has to be prepared to receive it.

Our Mr. Glover, of the Third District, has a piece of road running out of Colton, made of Colton limestone, which he wished to oil. The surface was very hard and tight. He put a thin covering of sand over it, and then applied the oil, and got good results.

Should a road, to which you wish to apply oil, have become worked up before the oil is applied, and a thick layer of dust be over it, due, perhaps, to commencing the work late in the season, it may be well to scrape off the dust or a part of it, with a grader or smoother, before applying the oil. For all of the loose covering of the road must be thoroughly saturated, as well as a penetration of the hot oil secured, into the firm surface below, the deeper the penetration the better. Such roads can also be prepared by being shaped up with grader and smoother, thoroughly soaked with water, and rolled hard. This has reference to roads that haven't been oiled before.

I have thus gone over the general subject of oiling roads, cursorily. In the time I have the subject can not be treated with details. But I wish to speak particularly of some experiments carried on at Chino, where I live, and could personally look after every detail of the work. Every one who has been to Chino has probably noticed that we have a great deal of sand there. The surface is very loose. Teams in going through the village formerly plowed through the sand and loose alluvial soil, and before we laid sidewalks, walking was difficult. But sand, when confined, becomes very firm and hard.

Any one who has camped out, and has ignorantly or inadvertently spread his blankets on the sand will tell you this. So, if sand is covered with a firm material for the road surface it makes an excellent foundation. Little has been done to improve the condition of our roads up to last year. It was thought there was no good material within reach. About two years ago a strip of road, one-half mile in length, west of Chino, was surfaced with a clayey gravel hauled from the hills about three and one-half miles distant; a material that Richard Gird used years ago for making brick.

It was spread to a depth of a few inches over the road. It was not spread very evenly, and there were thin places in it; but it wore well. The thin places soon broke through, however, and it was sticky in winter, after a rain. When I came to take charge of the roads and cast around for some solution of the road proposition at Chino, I was attracted by the excellent wearing qualities of the road material above referred to—when dry. A closer examination of it showed it to be "oil sand," or disintegrated oil sandstone, that we hear so much about in this "oil age" of California, with sufficient clay in its composition to cement it and make it very hard, when properly treated.

We had decided to use oil on our roads in the neighborhood of San Bernardino, Rialto, etc., and the thought occurred to me that we had in the Chino hills, which is an oil range, a material that, combined with oil, would make an ideal oiled road; for it would become very hard, had good wearing qualities, and was a natural absorbent of oil. So I concluded to do a little experimenting on two of our village streets; about a quarter of a mile on each street. After grading, thoroughly soaking with water and rolling hard the foundation, we put on a layer seven inches thick in the center, running down to six inches on either side, of the oil, sand or gravel. Since then, in building such a road, we make it nine inches thick in the center down to eight inches down the sides.

We kept the foundation wet ahead of the spreaders, to keep it firm and cause the gravel to unite with it better. After the gravel was spread, and smoothly shaped, we started the water carts and soaked it thoroughly, wetting it entirely through. To do this we ran a heavy orchard cultivator over it while the water was being put on. This opened it up and allowed the water to go down instead of running off. The cultivator was kept going after sufficient water was put on, until the surfacing material was worked into a homogeneous mass of the consistency of mud for making brick.

The wetting down and cultivating or stirring was done in one day, a section of such length being taken that this part of the work could be finished in one day. Next morning a lever harrow was put on to smooth over and shape up the surface. This required a man with a good eye and some expertness to get the road even and properly crowned. He finished his work during the forenoon, and it being good drying weather, the roller went on in the afternoon.

All these steps are important, but one of the most important is the rolling. We used a roller that weighs about 1600 pounds to the foot of surface covered, without loading. This is about right for rolling such a road the first two days, or as long as it is at all spongy. As soon as all sponginess is gone, the roller can be weighted. We use pig iron—half pigs which are convenient to handle and put enough to finally make a weight of about 3,000 pounds to the foot. The rolling was continued from day to day until no further impression could be made upon it, and the surface was left hard and smooth.

After the roadbed dried out, or at least to a depth of two inches, the oil was applied—first sending a man over the road with rake and broom to brush off all manure and other loose matter from the surface. The oil should be applied as hot as possible. At Chino we got it directly from the Puente Oil Refinery, at a temperature of 250 to 300 degrees. We put on at the rate of 150 barrels to the mile, eighteen feet wide.

When we came to this part of the construction—the application of oil—we met with difficulty. We did not have a machine that would properly put oil on a hard, smooth road. We had a De Camp machine, which was all right for dusty roads, for working oil into the dust; but we had here an entirely different proposition. The outlets in the De Camp machine are six inches apart, and to cover the surface of a hard road with this required letting down enough oil to spread six inches, which is more than necessary, and even then there will be streaks and spots that are not covered. To get over this I had a man go after the machine with a street broom to spread the oil and sweep off the surplus into the gutter.

This was a makeshift for our experimental work of last year. It served, but the process was crude, and did not give the best results. There was a waste of oil, and the spots not covered when the hot oil descended from the machine were afterward covered by the broom with comparatively cold oil. This did not penetrate as deeply as did the hot oil. To remedy this I designed an entirely different machine to apply on such roads for this year's work. It is suspended from the rear end of the oil tank; is operated by levers and gauges; has outlets three inches apart, covered by revolving gauges, by which any quantity of oil can be let out from the minutest stream up to 200 barrels to the mile for an eighteen-foot road; with the levers and guages the operator can regulate the quantity discharged to a nicety and the width of application from eighteen inches to six feet. The regulation of the quantity discharged is important, especially when you come to put oil on a road that has been previously oiled.

The result of our experiment at Chino has been a road that is hard and smooth, and shows no appreciable wear after it has been down over a year. Many visitors mistake it for a bitumen road. A number of the storekeepers keep it swept before their places. This road has had three applications of oil since it was built, two last year and one this. The quantity put on this year was not more than about one-fourth that put on the first time.

When oil is applied to such a road, after the first application, there is but little penetration, and the surface is left sticky. To remedy this some gravel (the same material of which the road is formed) is screened and sprinkled over the surface by a man expert in the use of a shovel. Just sufficient is put on to take up the

surplus oil and no more. This is important.

I have designed a machine for this work which will do it more evenly than a man with a shovel and at less expense. This sprinkling with gravel makes up for the previous wear on the road, and in a few days packs down with the travel to a smooth, hard surface. If desired, it can be packed down at once with a roller.

The first application of oil to a road built as above described penetrates, if all the conditions are right, to a depth of about an inch. Uniting with this top layer of gravel, it forms an elastic covering to the roadbed beneath and and takes the wear. And yet "elastic" is not quite the word. The surface has more of the yielding nature of lead, and has a "flow" like lead. A heavy load on a narrow tire will dent it some; a wider tire following will smooth out the dent. It yields slightly to horses' feet, and is therefore a favorite road with horsemen, giving less jar than a stone or cement road. Such a surface, which can easily be kept intact by slight repairs done at the proper time, serves as a buffer between the impact of horses' feet, the impinging of wheels and the roadbed underneath, and accounts for the slight wear.

In conclusion, I would say that we have not had experience in building roads such as last described with any other material than the oil sand or gravel. This, however, is widely distributed through Southern California. But probably as good results can be obtained with decomposed granite, and with gravel that packs firmly and yet is porous enough to absorb oil.

For instance, our neighbors at Pomona have excellent road material in their decomposed granite, which is near at hand; and I believe they would get good results and find it a great saving to their gravelled roads during both summer and winter to give them an application of oil.

USING CHEAP OIL.

City of Modesto Making Saving By Use of Oil for Fuel.

Up to May last the use of oil for fuel at the water works (electric light plant included), showed little saving over wood and coal. Oil of a gravity of 17 to 20 had been used. Experiment was made with a car of oil of heavier gravity, 12 to 13, and material saving has since been manifest. Here are comparative figures:

Wood and Coal.		Oil.	
May, 1900,	$368.30	May, 1901,	$191.40
June, 1900,	507.02	June, 1901,	244.80
July, 1900,	384.45	July, 1901,	250.40
	$1259.77		$686.60

Saving of $573.17 in three months.

Forty new tubes are being placed in the boilers and other improvements made, including the installation of a heater, the total cost perhaps $300. The oil will be heated by the exhaust steam, producing more complete vaporization and giving it greater value for fuel purposes. It is expected this plan will still further reduce the fuel bill, perhaps 25 per cent.

The fuel cost per 1,000 gallons of water is now about 8½ mills, as against about 2 cents heretofore.

On these cars of oil recently received from Kern county the freight charge was $206.84, the original cost of the oil but $150.56.

Law for Oil Men.

The Supreme Court of California has lately ruled in a case coming on appeal from Tuolumne county that where there is no penalty attached for the violation of any local rule or regulation of a mining district, it does not vitiate a location.

Where an agricultural or railroad patent has issued to a tract of land which, at the time the land was filed on or the grant attached, was known to contain a lode of valuable mineral, the patent does not take the lode and it remains locatable. The limit of width of side ground that could be taken by location would seem to be only twenty-five feet on each side of the center line of the lode. The patent obtained under such conditions would have been based on fraud, and void as to the lode, which should have been excluded from the patent by a segregation survey.

The Supreme Court of California has ruled that if work is resumed on a mining location but not completed to the amount of $100 before the first of January arrives on which forfeiture would occur, the claimant by continuing the work into the new year, and working continuously until the $100 value of work is completed, protects the claim against forfeiture. It is not required that assessment work shall be done on Sunday to make the work continuous, as contemplated by the statute. The work so performed, however, is only valid for the year it was commenced and does not count for the year in which it was completed.

The United States courts have made a ruling that where a foreign corporation was the real owner of a mining claim, a patent, obtained to it by a citizen of the United States for the use and benefit of the foreign corporation, through false representation to the U. S. Land Office that the citizen was the owner of the mine, is void. The foreign corporation does not, however, forfeit the mine, but is compelled to do assessment work on it just as if no patent had issued. A failure to do the assessment work forfeits the claim and it is then locatable.

Send $2.50 for one year's subscription to the PACIFIC OIL REPORTER and receive a 24 page pamphlet containing up-to-date, accurate, indexed maps of the Kern county oil fields. These maps give the latest data concerning all the companies operating in the Kern River, Sunset, Midway and McKittrick oil districts.

Struck Oil
South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,000 feet, with every prospect of striking oil.

In order to prove this land I will sell

50 ACRES AT $100 PER ACRE.

EASY TERMS

This offer must be taken up at once or it will be withdrawn.

None but principals need apply. For particulars address

B. W. W.,

Care of Pacific Oil Reporter

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ASTHMA CURE FREE

Asthmalene Brings Instant Relief and Permanent Cure in All Cases

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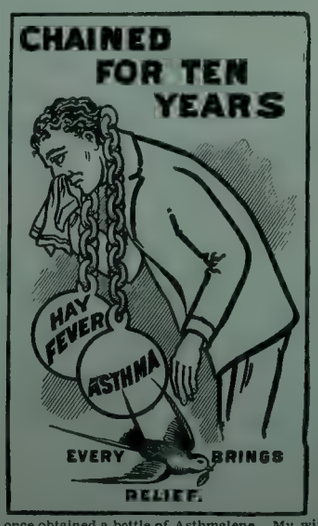
WRITE YOUR NAME AND ADDRESS PLAINLY



There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.

Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,

REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.

Dr. Taft Bros. Medicine Co.

Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted wfth this distressing disease. Yours respectfully,

O. D. PHELPS, M. D.

DR. Taft Bros.' Medicine Co. Feb. 5, 1901.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.

Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City.

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Do not delay. Write at once, addressing **DR. TAFT BROS'. MEDICINE CO.,** 79 East 130th Street, New York City.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

BUTTE.

At the Hesperian oil well near Chico, Butte County, all operations have ceased owing to inability to get casing from San Francisco on account of the strike.

The Feather River Oil Company near Oroville have sunk their well to a depth of 550 feet. Work has temporarily ceased until a reamer of the right size can be secured.

COLUSA.

Thursday the well of the Williams Oil company was down 300 feet, and the prospects were excellent.

At the Colusa County well (Orr & Meracle) R. W. Gorrill recently found traces of evaporated oil and the refuse smelt of oil.

The Great Northern Oil company has shut down work at their well. No reason is assigned. Work was running smoothly, with favorable indications.

Mr. Gorrill, who has returned from Mexico has sub-leased the Frank Schuckman place to the Paraffine Oil company, and another rig will be in full operation in Van Gilt canyon near the Mountain House by the 30th of October.

Mr. Frank, a large stockholder in the Bear Valley Oil and Development company, arrived in Williams Thursday with a long buckskin wallet well filled with twenties. He proceeded at once to the rig on the Eakle lease and discharged every employe. There was a night and a day tour and other help, making some eight men all told. The company has been boring less than one month and are now down 376 feet, with the very best indications. No reason for discharging the men was made public.

John Ferguson, the contractor who is putting down the Vacaville and Armijo oil wells, the latter near Suisun, was in Arbuckle for a day last week. He went in the interest of the Gold Reserve company, and investigated its oil land with a view to getting in a rig. He was favorably impressed with the indications, but for the final determination of the matter will return in a week to select the best possible location to put down a test well.

FRESNO.

The Echo has resumed work.

The Home wells are most all pumping.

The Commercial is waiting for drive pipe.

Work on the Blue Diamond is going ahead slowly.

The Merced is putting in 5⅝ casing; well is down 1140 feet.

Coalinga No. 10 is pulling casing, after which this hole will be marked "abandoned."

Prospects for Santa Clara Co.'s No. 2 are better than ever, and the gas is very strong.

The Ætna is preparing to pull casing from No. 2 and No. 5. These two holes will be abandoned.

The new road between California Oil Fields Limited and 28 will be finished in a couple of weeks.

Sauer Dough, No. 1, looks as favorable as ever. The drill is not yet through the oil sand, which is now over 200 feet thick.

California Oil Fields No. 1 will soon be completed and if good luck prevails, No. 2 and No. 3 will not be far behind No. 1. This company will soon have four strings of tools running, and as soon as a well is finished another will be started.

Grading for the pipe line connecting Maine State Wells with Ora, and the building of a mound on which to place loading tank at Ora is progressing.

The old rig over the 1280 foot on section 19 is being put in order and this well which is now the property of the California Oil Fields Limited will be put down deeper.

The California Rock Oil is now down 905 feet and at that depth has a well good for fifteen barrels. The drill is now being sent for the second sand, which is expected to be struck at 1100 feet.

HUMBOLDT.

The Humboldt is now down 1600 feet. The head drillers are well pleased with the prospects.

The Union, which has attained the depth of 800 feet, struck quite a seepage of oil a day or two since.

E. M. Hoagland, superintendent of the Baker & Hamilton well, reports everything working all right.

Nothing further from the Wild Goose. An immense pressure of gas and some oil at the present depth, about 1000 feet.

Mr. Mackintosh, president of the Mackintosh Oil Company, is now in San Francisco. The work on the well, however, continues under the superintendency of Mr. McGee. There is not much left of the 2000 feet of rope, but Mr. Mackintosh says he can get more. The prospects are still encouraging.

Professor Watts, who has been in the Mattole section several days investigating the prospects for oil, left Mattole with Surveyor T. J Jefferson of Los Angeles, J. F. Coonan and W. A. Scott of Briceland a day or two since. Professor Watts visited all the wells in the Mattole vicinity and located them as he did all the wells bored there since 1865 and 1892. Under the guidance of Superintendent C. H. Johnston he traveled over the oil belt and took observations of the croppings.

KINGS.

Sheriff Buckner of Kings has placed an attachment upon the rig and well of the Oceanic Oil and Fuel company. The suit was brought by the Bank of Hanford for the sum of $3,076.-98, and the sheriff left Coalinga by team immediately to attach the property.

J. B. Barbour of Hanford has been in San Francisco this week, his main object being to effect the sale of the rig, tools, etc. of the Oceanic Oil company which has been working unsuccessfully in the Kettlemen hills. Mr. Barbour is as confident as ever in the belief that oil exists in this district and says the only trouble with the Oceanic people was they did not go deep enough.

KERN.

The Moneta No. 2 is in oil at a depth of 600 feet.

Henrietta No. 3 has been perforated and will be put on the pump tomorrow.

The Orient on section 30 is down 1165 feet and well No. 1 will soon be completed.

The Stevens on section 29, 28-28 has its hole down 250 feet. The work is progressing rapidly.

The Panorama is lowering its third string of casing in its hole on section 14, on the south side of the river.

Sunset Center is contemplating beginning extensive development work on its lease in Sunset at an early date.

Canfield & Jackson have the contract for sinking four wells for a company which is a lessee of the Chicago Crude.

Prosperity has abandoned its hole on 6, 28-28 at 1560 feet because it was unable to lower the casing to a greater depth.

The Los Angeles Oil and Investment company of Cottonwood has sold its rig and outfit and it is being moved to the Kern River field.

It is reported that Equality has found a prolific sand on 21, 28-28, Kern River, which was considered out of the oil belt by many producers.

The Jewett & Blodgett refinery at Sunset is running full blast and is turning out a large quantity of asphaltum and refined product.

The Kern Sunset is still bailing its well on section 1, 11-24. The heaving sand encountered in this well has caused the company a good deal of trouble and expense.

Superior Oil company has begun suit against the Fresno-Midway Oil company to quiet title to the northeast quarter of the northwest quarter of 28, 32-24, Midway field.

A deed has been filed in Bakersfield from Don C. Porter to the Cortez Oil company, to the south half of the southwest quarter of 5, 29-28, comprising forty acres. The consideration was $140,000.

The British California Oil company, limited, has entered into a contract with R. A. Johnson and P. F. Westphaler for the sinking of three wells on the S½ of the SW¼ of the SE¼ of the SE¼ of 28, 28-28.

The Chico, operating in Sunset, has decided to continue the drilling of its hole. The contractor, however, has refused to resume work until he receives compensation for the work he has already done.

The San Joaquin Oil & Development company has completed and perforated well No. 19. Three new wells are being drilled. The company owns and leases 410 acres, and the producing capacity is said to be 75,000 barrels.

The San Joaquin River company, which is drilling a test well near Fresno, has a fishing job on its hands. The Pennsylvania Drilling company sent a set of fishing tools to the company's holdings a few days ago.

The Pittsburg, on section 1, 11-24, was struck by lightning Friday afternoon and was partially consumed by the fire which followed. This is the second time the derrick over the company's first hole has been visited by fire.

The Sunset road is gradually being extended toward its proposed destination and it will not be many days before it is completed. The rails have been laid across the levee. The advance camp is within sight of the Sunset refinery.

One of the latest strikes was made last week by the new Richmond, operating on section 25, 32-23. The company's drill has been working in a favorable formation for several weeks, and has now entered a good body of oil sand. The Barton well, which is on the northeast quarter of the same section, went into oil last week. This is two good strikes to be placed to the credit of the Midway's field.

The East Puente Oil company has instituted suit in Bakersfield against the Zaca Oil company to quiet title to the southwest quarter of section 4, 29-28, for restitution of possession of the property and for $1,000 cash. Some months ago the East Puente company leased the property from the Western Oil company of this city for a period of twenty years. A few days later the Puente company leased to the Zaca company, which it is now alleged has forfeited the right to develop the land by having failed to comply with the agreement.

LOS ANGELES.

The derrick has been completed for the Warner Oil company's No. 6.

Work has begun on a new derrick for the Murphy Oil company at the canyon and west of No. 1.

The El Moro Oil company is down nearly 700 feet with No. 2, but is making slow progress because of the troublesome formation.

Well No. 1 of the Alpine Oil company in the Newhall field is completed. After the casing was perforated the oil in the well rose to a height of 400 feet. Constant bailing failed to lower the level.

The North Whittier Oil company is down nearly 900 feet on No. 2. A second string of drive pipe has been put into the hole, as the ten-inch had become too heavy to handle without running a risk of collapsing the derrick.

The present agreement with the Oil Storage company of Los Angeles provides that at least 500 wells are to be signed up, and unless the local combine can show that number by September 1, it will not be able to fill its contract. At the last meeting it was found that only 446 wells had been signed up, with a possible twenty more that may come in before the end of that time.

For several months operators have been at work on a well near the intersection of Willardt and Naud streets, just off of North Main street near the west bank of the river, and are now credited with having tapped oil sand at a depth of 700 feet. There is 150 feet of oil in the hole, and the indications are that a new and valuable territory has been opened up. The find was made almost a mile east of the most easterly wells in the east end field.

The Home Oil company the first of the week placed No. 6, which has been deepened a number of hundred feet, on the pump. Before the well was deepened, it was producing something over twenty barrels a day, but now, after the head has been reduced, the well is throwing out a stream that figures out fully 150 barrels in twenty-four hours. The oil is of lighter gravity than that from the higher strata. The derrick for No. 13 is being rigged and drilling will begin on the well the first of the week.

NAPA.

The Calistoga Oil & Development company was the first company to undertake the development of the oil lands of Napa county, and its well three miles north of Calistoga is the center of interest for all parties interested in the oil lands of that part of the state. This well is now over six hundred feet deep and will soon be completed.

ORANGE.

It is announced that the Santa Fe people are buying all the oil produced in the Soquel canyon district.

Warner & Collins have commenced grading for an oil well back of W. J. Hole's ranch house.

The Puente Oil company is credited with having found oil in three of its wells now on the drill.

The Standard Crude in La Habra valley will finish its well up as a water well, to be used for irrigation purposes.

After a short delay the Fullerton Consolidated company has resumed work in well No. 11, now being drilled in Soquel Canyon.

The Union is drilling another water well at its La Habra pumping station to

increase its water supply for the Brea Canyon lease.

Oil has been found in the second well of the Chino Oil company in Sequel Canyon. At present the well is producing fifty barrels a day, half water.

While most of the other operators in the neighborhood of Olinda have been holding back development work, the Santa Fe company has gone ahead until it is now running nine strings of tools, and has its thirty-fourth rig in readiness for the tenth drilling outfit.

The Santa Fe company has just uncapped another gusher, well No. 24. At the time of the strike the nine-inch pipe was following the bit at a depth of 1400 feet. Oil and sand were thrown over the top of the derrick, and the well continued to spout for some time after.

Active operations continue in Brea Canyon and on both the Brea Canyon and Union Oil companies' leases. The latter company has just put its well No 12 on the pump and it is proving a good producer.

E. J. Barrett has returned to the Montezuma well, where operations will be resumed after an interval of six months. The American Mines company now has charge of the lease and work.

RIVERSIDE.

The Rincon Oil company has abandoned its well at a depth of 1500 feet.

The Fullerton-Riverside Oil company has abandoned its well near Riverside.

SANTA CRUZ.

Owing to an accident to the well casing the drillers of the Pajaro Oil Company have been "fishing" this week.

The Watsonville Coast well is in oil sand and there is quite a showing of oil in the sand. The company is going to use drive pipe, and the drillers are waiting the arrival of the new pipe.

SAN BENITO.

The Santa Maria Oil company has purchased a rig.

The Portia Oil company in the Vallecitos is erecting a rig.

The London Calistoga Oil company in the Vallecitos is down 500 feet.

The World Oil company in Little Panoche has drilled nearly 800 feet.

The drill of the Hollister Petroleum Development company is down 275 feet.

The Vallecitos Water company is laying water pipe for another oil company.

The Fresno-San Benito Oil company will commence drilling with a Standard rig in a short time.

The Hamiltonian drilling night and day has reached a depth of over 500 feet. The company expects to strike oil at less than 1000.

After a trial of two weeks in the use of oil as a substitute for coal, the managers of the Gilroy Ice and Laundry company have computed the saving to be 62 per cent. In case the plant runs night and day for a month, the company would save $110 for that period.

Mr. Robert B. Todd, general manager of the Calistoga Oil and Development company, is at present in the Vallecitos district in San Benito county, superintending the operations of the company at that point. He reports the well on section 18, 17-12 to be in a formation of blue, sandy clay at a depth of about 300 feet. A second shift has been put to work on this well and it will undoubtedly be completed by September 1st.

The Calistoga Oil & Development company has been doing some rapid work at its well in the Vallecitos valley during the past three weeks and now has one of the deepest wells in that district. The well was cased to a depth of 570 feet on the 17th inst., and is in splendid condition. Work is being carried on night and day at this well under the personal direction of Mr. Robert B. Todd, the general manager of the company, and judging from the amount of work already accomplished the well will soon be completed. The indications so far met with are very encouraging and those who are in a position to know predict that the completion of this well will fully demonstrate that the Vallecitos valley is one of the best oil districts in California.

SOLANO.

Drilling has been in progress in the Rochester well for nearly two weeks. The sand was successfully passed and a hard sandstone encountered. This strata will serve as a landing place for the drive pipe, which is under complete control.

After a considerable delay drilling has been resumed in the Vacaville well and good progress is now being made. The under-reamer, which was recently lost in the well, was recovered very soon after the fishing tools reached there.

After a two weeks' delay in the Armijo Company's well the 7⅝ casing arrived last Saturday and it was immediately placed in position. Mr. Ferguson experienced no difficulty in casing off the water, which had come to about 50 feet from the top. Drilling was resumed and rapid progress made. One morning at 4 o'clock John Ferguson Jr., who was drilling at the time, thought that the prize had been reached. A whistling sound and strong rush of air upward through the derrick lead him to believe that a gusher had been encountered. The lights in the derrick were hastily put out to avoid an explosion. He soon found that the disturbance was caused by an immense volume of escaping gas. The company feels very hopeful of striking oil in the well, which is now over 800 feet in depth.

STANISLAUS.

The Mount Oso Oil Company will begin boring their first well in about ten days, their derrick being in place and the machinery now being installed. The company is composed of Stanislaus people and the well will be bored on the Manuel Rogers ranch west of Crows Landing, where promising oil indications were found some time since in a well being bored for water.

TEHAMA.

A few days ago, when the superintendent and drillmen of the Corning Oil and Gas Company were highly elated over the indications given by the formation through which they were cutting, the stem of the great drill snapped off and operations came to a standstill. Superintendent Kays at once telegraphed at order to San Francisco for a slip socket. The firm to whom he sent the order had no slip socket on hand, but sent a horn socket, a similar tool, but not strong enough for the work required. The horn socket was given a trial, however, with the result that it was broken and left in the well. Mr. Kays is now patiently awaiting the arrival of a slip socket, but in view of the deplorable trade conditions existing in San Francisco by reason of the great strike the time of its arrival here is somewhat problematical.

VENTURA.

The United Oil company at Buckhorn is down about 600 feet.

The water well on the Gibson place near Buckhorn is the supply for the water at Torrey.

Oil developing is still going on slowly. The Sunset and Cayetano have struck oil at Buckhorn.

The Whittier-Fillmore company has its well on the Tubb-Evans property down nearly 300 feet. The walls of the hole are standing well and good progress is being made.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, August 21

BEAR FLAG.		
[illegible] at	07	154 00
[illegible] at	08	40 00
CARIBOU.		
1300 at	85	1105 00
100 at	86	86 00
CENTRAL POINT.		
500 at	1 50	750 00
CALIFORNIA STANDARD.		
[illegible] at	22	264 00
CONTINENTAL.		
100 at	50	50 00
DOMINION.		
1200 at	05	60 00
FOUR OIL.		
404 at	38	153 52
300 at	40	120 00
GIANT.		
100 at	25	25 00
200 at	26	52 00
HOME OIL.		
100 at	3 00	300 00
200 at	3 10	620 00
500 at	3 25	1625 00
200 at	3 20	640 00
100 at	3 15	315 00
300 at	3 30	990 00
1740 at	3 50	6090 00
HOMESTAKE.		
130 at	7 50	975 00
75 at	8 00	600 00
HANFORD.		
3 at	110 00	330 00
INDEPENDENCE		
1000 at	11	110 00
JUNCTION.		
1100 at	19	209 00
100(B10) at	20	20 00
1200 at	21	252 00
100 at	23	23 00
2400(B10)at	20	480 00
KERN RIVER.		
25 at	6 00	150 00
KERN.		
108 at	5 25	567 00
100 at	5 50	550 00
LION.		
300 at	09	27 00
100 at	10	10 00
MONARCH OF ARIZONA.		
1100 at	21	231 00
500 at	22	110 00
MONTE CRISTO.		
100(B10)at	2 00	200 00
500 at	2 00	1000 00
100 at	2 05	205 00
400 at	2 10	840 00
OCCIDENTAL OF W. VA.		
300 at	45	135 00
200 at	46	92 00
200 at	47	94 00
50 at	48	24 00
OIL CITY PETROLEUM.		
650 at	30	195 00
PEERLESS.		
10 at	5 75	57 50
20(B90)at	6 37½	126 50
230 at	6 00	1380 00
PETROLEUM CENTER.		
10800 at	03	324 00
7500 at	04	300 00
REED CRUDE.		
3000 at	35	1050 00
1000 at	34	340 00
STERLING.		
475 at	1 30	617 50
1200 at	1 35	1620 00
300 at	1 37½	412 50
475 at	1 40	665 00
100 at	1 35	135 00
SOVEREIGN.		
300 at	29	87 00
300 at	30	90 00
SENATOR.		
1000 at	1 15	1150 00
SAN JOAQUIN.		
105 at	8 25	866 25
250 at	8 37½	2093 75
100 (B30)at	8 50	850 00
50(S3) at	8 37½	418 75
100 at	8 50	850 00
100(B60)at	9 00	900 00
TOLTEC.		
1000 at	50	500 00
TWENTY-EIGHT		
100 at	1 50	150 00
WEST LAKE.		
2000 at	08	160 00
WOLVERINE.		
100 at	73	73 00
Shares	52,580	Amount $36,185.25

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PROFITS

Those who bought Ventura Consolidated Crude Oil company stock at the original price, 5 cents per share could now make big profits. The buyers of the 10 cent block could also make a fair profit. The present price is 15 cents per share and will be further advanced when present offerings are subscribed Buy now. Company now has 3 producing wells. Gold mine showing up splendidly. Nearly 1 000 tons of ore on the dump. Oil and Gold.—A Producing company —Honest and capable management, with a record of speedy advancement exceeding any company in the state. Investigate.

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A good second-hand Standard Rig. Address:
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23 Columbian Bldg., S. F.

Oil on Railways.

The question of at least a reasonably cheap cost of fuel for the great lines of railroads traversing Texas and California, together with a number of additional advantages accruing from its use, seems to have been solved by the discovery on an extended scale of oil in the sections referred to.

Its value to the railroads has been demonstrated and rendered practical by the adaptation of the engines to its use, and its economy as compared with coal, results in a large saving over the former cost of fuel.

On the lines of the Southern Pacific and Santa Fe railway companies in California 250 locomotives are using crude petroleum instead of coal as a fuel. Their aggregate monthly consumption of oil is 125,000 barrels, and the number of oil-burning engines will be increased by large numbers.

Oil was first successfully used in the United States as a fuel for locomotives on the Southern California railway in 1895. Results were largely due to the zeal displayed by the late K. H. Wade, who was then general manager of that railway.

On coming to this coast in 1898 Mr. Wade found the Southern California lines of the Santa Fe being operated at a great cost for fuel, and his efforts were diligently applied toward effecting economy. Knowing of the production of oil by the Union, Puente and Pacific Coast companies, he felt that a reasonable quantity of petroleum could be obtained for use in locomotives, and with that idea he took up the matter actively.

Data covering the history of almost every experiment that had been made elsewhere in the United States and foreign countries was secured, and by the time that oil was found in the city of Los Angeles sufficient information was on hand to make a successful application of the plans devised. These plans, together with those of William Booth, formerly of the Central railway, of Peru, produced the successful results that were attained.

Up to the first of this year the lines of the Santa Fe company in this state have used as fuel the following quantities of oil: In 1895, 50,000 barrels; 1896, 100,000; 1897, 200,000; 1898, 225,000; 1899, 250,000; 1900, 500,000. By reason of the recent changes on the Valley road and the Santa Fe Pacific branches, the company will consume a much larger quantity this year. All the locomotives of the Southern California and San Francisco & San Joaquin Valley Railway, and a large number of those running on the Arizona division of the Santa Fe in California, have been converted from coal to oil burners so that the Santa Fe company now uses nearly 75,000 barrels monthly. The number of Santa Fe locomotives burning oil is 150.

From Point Richmond south of Los Angeles and San Diego and east to The Needles, the Santa Fe people have constructed at convenient intervals huge tanks in which to hold a large supply of oil.

On the Southern Pacific lines in this state 100 locomotives are using oil for fuel. Several of them run as far north as Oakland. With few exceptions, however, they are running from Los Angeles to Bakersfield. A large number of Southern Pacific locomotives will be made oil burners just as soon as storage tanks can be erected. Tanks are already being put up at points between Yuma, where oil storage is now provided for, and El Paso, so that in a few months all the locomotives between Bakersfield and El Paso will be burning oil. A large reservoir is shortly to take the place of the small one now in Oakland, and others will be placed at Tracey, Stockton, Sacramento and Red Bluff. When these are finished all the trains on the San Joaquin and Sacramento valleys, and all those going from the Oakland mole to all points in the valleys will be using oil.

The coast division of the Southern Pacific from Third and Townsend streets, this city, via San Jose, Castroville and San Luis Obispo to Santa Barbara, is to have oil burning locomotives next fall. By that time the company will have oil tanks at the points mentioned and at several intermediate places. At present the Southern Pacific is using 50,000 barrels a month for its locomotives. It will double this consumption before the close of the summer.

Railway men figure that as a fuel 168 gallons of oil are equivalent to a ton of coal. Even with oil at $1.50 a barrel, as was the case in Southern California not long ago, the railroads find oil much cheaper than coal.

Los Angeles Stocks.

The stock market in Los Angeles remains unchanged and the usual summer dullness still obtains. Last week's trading was active in spots but generally quiet throughout. No important alterations were made in the regular bids and offers on listed securities. A few hundred shares of Reed Crude were purchased at 33 cents. Westlake fell back from ¼ to ½ a point, closing Saturday at 8 cents. Pacific Slope also showed a fractional loss and was traded in at the close of the week at 3 cents. A slight gain was registered by Central and the same may be said also of Columbia.

Bank stocks and mining securities brought out the usual bids and offers, but only a small amount of business was done in this line.

There is no probability of any chance in this market for the next six weeks, except in particular cases where a buying or selling order of magnitude is forced through a weak market, the result of which could not be otherwise than a radical change in the quotation for the particular stock traded in.

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We have for sale for cash, at 33⅓ cts. on the dollar, a first class A No. 1 Heavy Drilling Rig in first-class condition and in every respect as good as new. For particulars address

C. B. MILLS,

Rooms 3 and 4, Baker Block,

Los Angeles, Cal.

Maps Free.

Hall, Barlow & Austin have just issued an up-to-date, accurate, indexed map of the Kern county oil fields, which will be of incalcuable advantage to the oil industry of this section. The maps of the four fields are those prepared by Mr. Austin, and which are known the country over for their accuracy. They have been corrected and brought down to date, and are, in the new form, inserted in the pamphlet, while on the opposite pages the companies are arranged in alphabetical order with the section, township and range. The new publication makes it possible for any and every person contemplating investing in stocks or land to ascertain exactly whether the property in which he is interested is in the proven belts, whether it is prospective oil lands, or purely wildcat.

This valuable publication is sent FREE to everyone who sends a year's subscription in advance for the PACIFIC OIL REPORTER.

New Coalinga Pipe-Line.

A new Coalinga pipe-line will be laid in the next few weeks, and will connect with section 22. The new line will be known as the H. H. Hart pipe-line, and the first three carloads of pipe for the same have arrived. The storage tank for the new line will not be built at Ora, but will be constructed on a sufficient rise of ground about a mile from the other tanks, which will give the line a good fall to the place of loading, to be at Ora. This will not only save the expense of grading for a tank foundation, but will place the new tank at a sufficient distance from the others to make it secure from catching fire should any of the others burn in the future. This will make the fourth pipe-line that will soon be carrying oil from the scene of operations to the storage tanks on the West Side.

Send $2.50 for one year's subscription to the PACIFIC OIL REPORTER and receive a 24 page pamphlet containing up-to-date, accurate, indexed maps of the Kern county oil fields. These maps give the latest data concerning all the companies operating in the Kern River, Sunset, Midway and McKittrick oil districts.

SECOND-HAND half-inch steel sand-pump line 1400 feet long for sale cheap. Addreas NATIONAL PARAFFINE OIL CO., 466 Tenth Street, Oakland. or F. CHAPELLET, 214 Pine Street, San Francisco.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. Well No. 1 is now almost completed and is in oil.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

Oil as a Dust Settler.

That crude petroleum is a thorough success for effectually laying the dust on country roads has been demonstrated by the Abbott Orchard Company at their large fruit ranch at Abbott Station in Sutter county. G. W. Harney, the manager of the company, informs the Marysville Appeal that two Union tank line cars of oil were purchased from the Toltec Oil company at a price of 45 cents per barrel freight to Abbott Station. The two cars contained some 145 barrels each, or something over 12,000 gallons. That sprinkled about three miles of road at a cost of about $97.50 per mile, which included the cost of unloading, hauling and sprinkling the road.

Supervisor Burns of Sutter county was so highly pleased at the results obtained on the Abbott Orchard Company's private roads that he wanted a portion of the county road sprinkled as a test. The county has now been dressed with oil for a distance of about one and a quarter miles, and the farmers living in the vicinity of Tudor and Marcuse pronounce the oil sprinkling a great success for keeping down the terrible summer dust. It appears now that one sprinkling will keep the dust settled for the entire season, says the Appeal. Supervisor Barnard, chairman of the local board, is a warm advocate of the oil remedy for dusty roads.

Oil on Santa Fe.

The Santa Fe is now engaged in burning oil as fuel exclusively on all engines between San Francisco and Los Angeles, and east as far as Seligman, the distance embraced in this territory being 1,400 miles. And the Southern Pacific company is engaged in extending its fuel burning operations to El Paso, ultimately taking in the lines east from that point for the whole length of the system as far as New Orleans. The supply of oil to be used as fuel in the last named territory will come from the Texas fields.

The Santa Fe, under the order of things just inaugurated, will use up something like 80 000 barrels of oil a month. The former consumption, before the Seligman division was added, was approximately 50,000 barrels a month.

It is doubtful if the Santa Fe will extend its use of oil as fuel beyond Seligman owing to the enormous coal supply at Gallup, N. M., this side of Albuquerque, in which properties the company is believed to have a large interest.

Send $2.50 for one year's subscription to the PACIFIC OIL REPORTER and receive a 24 page pamphlet containing up-to-date, accurate, indexed maps of the Kern county oil fields. These maps give the latest data concerning all the companies operating in the Kern River, Sunset, Midway and McKittrick oil districts.

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Leading Companies Now Operating in California.

BONITA OIL CO
Capital . . . $500,000
500,000 shares at $1.00
Location. 160 acres in Sunset district, Kern county
Officers and Directors—O B Burns president Wm E Stevens vice president F J Bugnere secretary and treasurer Samuel Hubbard J F McCarthy, G G Kenny
Office 807 Claus Spreckels building, San Francisco, Cal.

CALISTOGA OIL AND DEVELOPMENT CO
500,000 shares par value $1
Operating on 7 20 acres located in Napa Yolo, Fresno, San Benito, Monterey and Kern counties Officers I. D Hitchcock president, R B Todd vice-president and manager, B F Edwards, secretary I M Caselman treasurer, Dr H G Thomas and Dr E J Boyes. San Francisco National Bank, depository Office, 23 and 24 Merchants Exchange San Francisco, Cal

COMMONWEALTH OIL COMPANY. Capital stock only $100,000 Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M. D., vice-president; R. F. Pullington, superintendent; Chas Conklin, secretary. 667 Market street, San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital.....$100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county.
Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney. R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner. President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A, Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.
Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.
Capital..... $200,000
200,000 shares at $1,
Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.
Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.
Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.
Office,—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

GRAND PACIFIC OIL CO.
Capital.....$15,000.00
1,500,000 shares at $1 each.
Location: 160 acres in Sunset district, Kern county; 160 acres in McKittrick Kern county; 80 acres in Contra Costa county; 1280 acres in Coalinga district, Fresno county; 640 acres in Kettleman district, Kings county.
Officers—A G Deardorff, president; J M Merrill, vice-president; John Choice, secretary; Wells-Fargo Bank, depository; F A Berlin, attorney; Franklin Person, superintendent agencies.
Office: Rooms 412, 413, 415 Parrott Building, San Francisco.
T E Pollock, Arizona representative, president Arizona Central Bank, Flagstaff, Arizona.

J S POTTS OIL LAND AND DEV CO.
Capital $600,000
par value $1
Location 600 acres in the Sunset and McKittrick districts partly in Kern and partly in San Luis Obispo county
Officers and directors J S Potts M D president, Gavin McNab vice president J B Hatcher, secretary, J A Logan, treasurer D W Burchard, counsellor
Cracker-Woolworth National Bank, depository
Office 1028 Market street, San Francisco Cal

KETTLEMAN HILLS PETROLEUM CO.
Capital $300,000
300,000 shares at $1
Location NW¼ Sec. 15 Twp 21 S. R. 18 E. Kings county. 160 acres in Kettleman Hills district.
Officers—Chas C Crowley, president, John Ferrin vice president Frank C Falsens secretary and treasurer Frank F Kelly attorney Chas W Nelson D Horland Wm J O Connor Depository, Union Trust Co.
San Francisco office—Room 408 Examiner Bldg
Member of the California Petroleum Miners' Association

LION OIL COMPANY Incorporated under the laws of Arizona Capital $200,000 Number of shares, 200,000 Land 880 acres in Sunset Kern and Temblor districts Directors Dr A S Cook, M F Cochrane, D S Stanley, F F Weed, T M. Gardiner, I J Truman, Jr., P F Betts Officers—Dr A S Cook, president, M F Cochrane first vice president, D S Stanley, second vice president, F F Weed, secretary, T M Gardiner, treasurer Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco

LINCOLN OIL COMPANY.
Capital.....$200,000
Number of shares 200,000 All stock non-assessable. Incorporated, Sept 20, 1900.
Lands, 1686 acres in Kern River, Sunset and Coalinga Oil districts Now drilling first well on section 14, 28-27 Kern River district, Kern county, with our own Standard rig.
Officers, Irwin D. Martin, president, J. H. Edson, secretary and manager.
Directors, Amos Seaman, R. T. McGinnis, Irwin D. Martin, M A. Edson, John S. Wash, A. L. Todd, Jennie Ralston.
Office, Rooms 509-510 Central Bank Building, Oakland, Cala.

MONTERRY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maitly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L, Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares.....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone. Jessie 1683.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street, San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
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THE RAVEN OIL COMPANY.
Capital stock $100,000 divided into 100,000 shares of the par value of $1 each Locations 162 & 160 acres in south half of south half of section 6, 28 25 and lots 1, 2, 3 and 4 containing 321 acres, same section, Kern River district Officers—Hon. John R Aitken, president C H Congdon, vice president, C H Quincy secretary, D G Overall, superintendent, Paul V Finch Bank of Bakersfield treasurer
San Francisco office—Hon. John R Aitken, Clunie building, 901 California street

U. S OIL AND MINING CO.
Capital $300,000
Par value, $1 per share.
Location 320 acres in Kern River District 160 acres in section 28, 11-24 Sunset district, near Blodgett & Jewett wells, 160 acres on traction 26, 12-24 near Monarch adjoining Jewett, Blodgett & Beal gusher I, M Underwood, president, F Ketelhut secretary
Office—211 19th street, Bakersfield, Cal.

WESTERN OIL ASSOCIATION
Capital $1,000,000
1,000,000 shares, par value $1 each
Organized under the laws of South Dakota
This is our property—2110 acres, Kern county, 134 acres, San Diego county, 320 acres, Glenn county, 800 acres, Tehama county, 4860 acres, San Benito county, 140 acres, Monterey county, 800 acres, Fresno county 400 acres Humboldt county—1504 acres
Officers and Directors—I F Harris, president Irwin D Martin, vice president, R K Roberts, secretary, Union Trust company, treasurer; W E Robinson, Springfield Ill., Irvin D Martin, Oakland, Judge J F Harris, Oakland, R K Roberts, Oakland
Principal Office: 312 Emma Spreckels building, San Francisco, Calif.
Branch Offices: New York, 34 Broadway; Philadelphia, 524 N 18th street, St Louis, Chemical building, Washington, D C, 228 A street; Portland, Ore, McKay building, Chicago, Royal Insurance building, Albany, N L, 68 State street; Kansas City, 306 Nelson building.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Filden, E L Dow, N H Eaton, L F Swain, secretary.
Office 327 Pine street, San Francisco, Cal.
Telephone Main 671.

XLNT OIL COMPANY.
Capital stock.....$500,000
500,000 shares, par value, $1 per share
Location: 320 acres in the Great Coalinga District. The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.
Office---552 Parrott building, San Francisco, Cal

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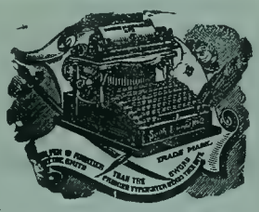

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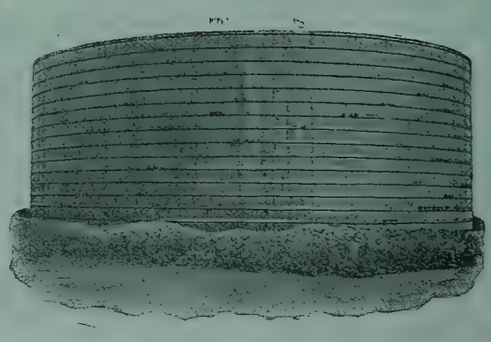

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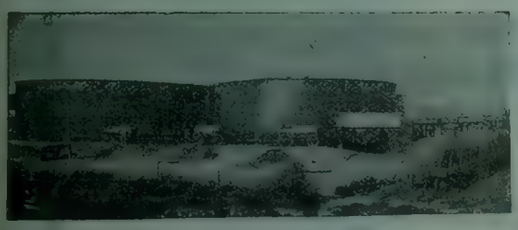

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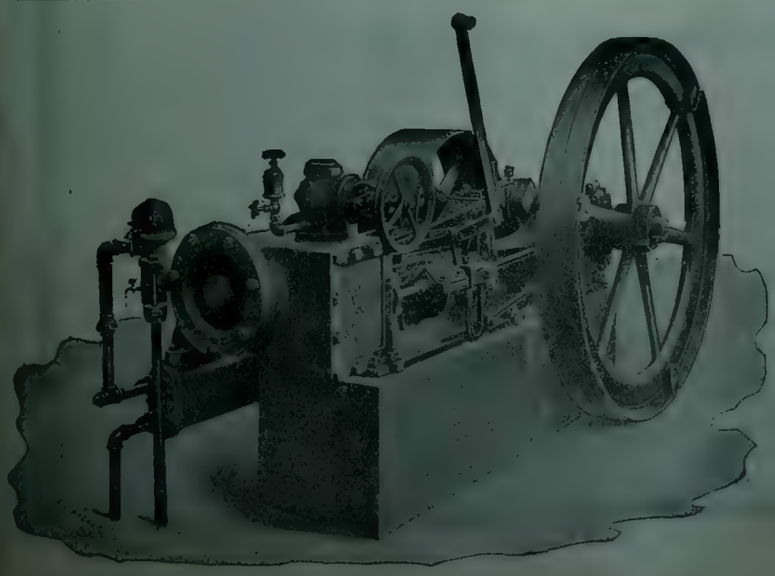

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It will then rapidly advance, and $5.00 per share is bound to be the figure later on

The Company Will Start Work Inside of Three Months

IT WILL BE A BIG DIVIDEND PAYER

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VOLUME 2 NUMBER 43

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, AUGUST 30, 1901.

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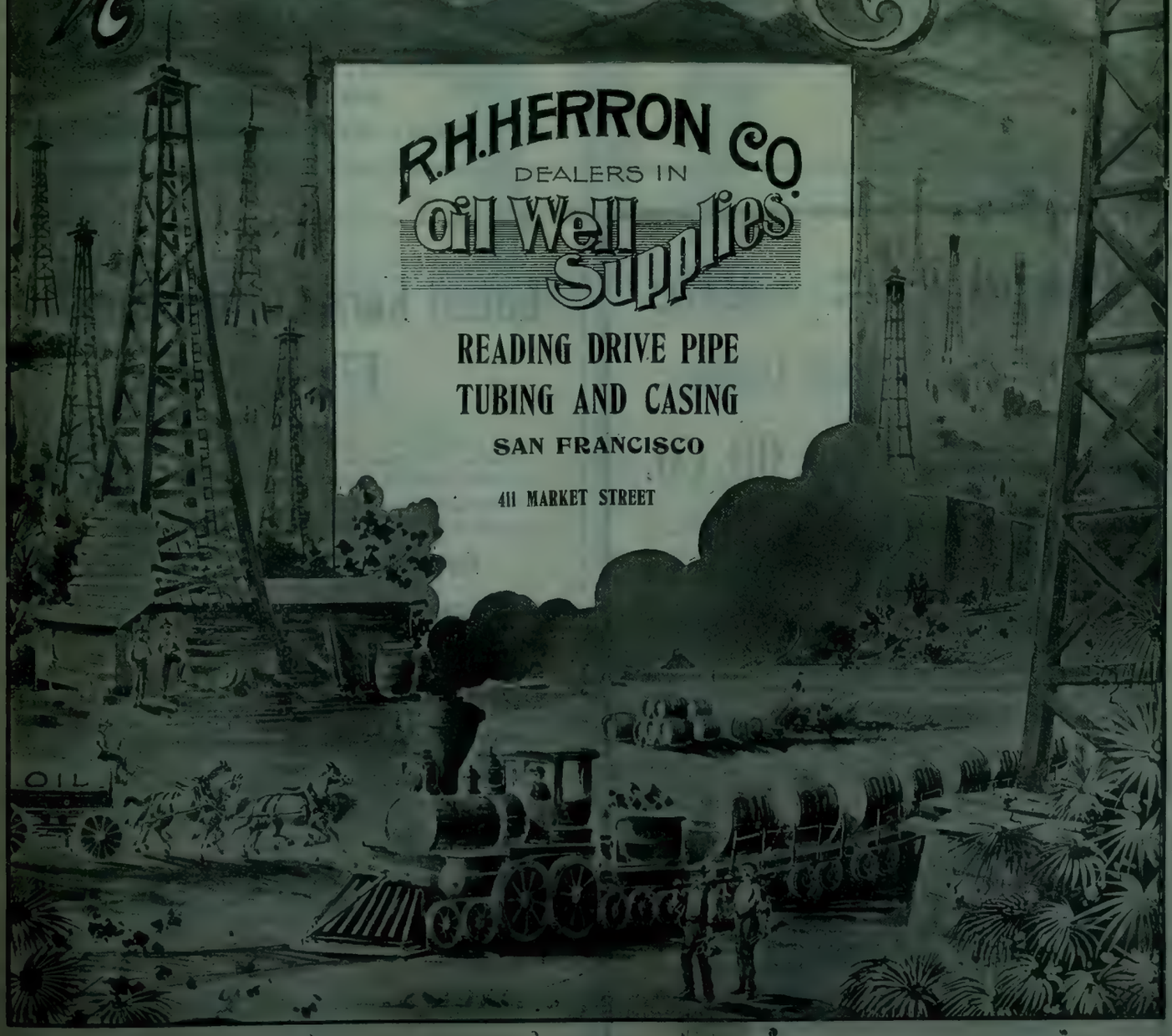

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we issue a descriptive booklet about California's wonderful oil industry.

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Do you wish to make money? Then be careful and invest only in a sound and safe company! This stock is non-assessable! **Oil guaranteed!**

Land lies ½ mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick. There is no superior land to ours in any district.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it Why invest in a fake company making false promises o immense dividends on lands which will not produce a bar rel? Ours is absolutely proven; failure impossible!

All our neighbors have large producers!

Within 150 feet to 500 yards.

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near famous Home Oil Company and 160 acres adjoining an oil well in Napa Valley.

Drilling will begin in four weeks and well will be com pleted in sixty days, which, according to all our neighbors will be a very large one!

Inside of a few weeks 50 cents per share.

Delays cost money. Send for prospectus.

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TELEPHONE, SOUTH 488

Latest Kern County Maps Free

The PACIFIC OIL REPORTER has received from the publishers, Hall, Barlow & Austin, a large consignment of up-to-date, accurate, indexed maps of Kern County, Cal.

These maps show the location and holdings, wells, etc., of every company operating in the following districts:

Kern River Oil District

Sunset Oil District

Midway Oil District

McKittrick Oil District

These maps are published in pamphlet form and are properly indexed so that any one can find at a glance the location of any company desired.

We have purchased a large quantity of these maps and will present them free of charge to those who pay $2.50 in advance for one year's subscription to the PACIFIC OIL REPORTER.

The regular price of these maps is 50 cents each. They cost nothing to the subscribers of the PACIFIC OIL REPORTER.

Send money by Postoffice order, Wells-Fargo Express order, or stamps, to

PACIFIC OIL REPORTER

318 PINE STREET, SAN FRANCISCO

PACIFIC OIL REPORTER

VOL. 2. NO. 43. SAN FRANCISCO, CAL., FRIDAY, AUGUST 30, 1901. PRICE, TEN CENTS

A SMALL CONSUMER.

Big Saving Effected by the Use of Oil for Coal as a Fuel.

While there are in California a few consumers of fuel oil who use many thousands of barrels of oil each month, nevertheless the bulk of the oil is not used by the few large consumers, but by the many small consumers.

To-day in California alone the e are more than 5000 families using oil in some form or other in their stoves and furnaces for either cooking or heating. There is hardly a day but what some mechanic who is using a five or a ten horse power boiler, and who has heretofore always used coal, changes from coal to oil for fuel. The number of these small mechanics thus changing from the use of coal to oil is already very large, and this number is growing rapidly as the success of oil as an economical steam producer becomes generally known.

The experience of Mr. H. H. Linnell of Berkeley will be of interest to every small mechanic in the State who uses a small boiler. About two years ago Mr. Linnell commenced the manufacture of distilled water for drinking purposes in the city of Barkeley. Distilled water is made by condensing the steam which comes from the ordinary drinking water from the Berkeley mains. In order to distill a sufficient amount water a ten horse-power boiler is run at its full capacity three days in the week and ten hours a day.

When the enterprise was first started the boiler was run by burning Wellington screenings at $7 a ton. This fuel was found unsatisfactory and expensive, and was exchanged for regular Wellington coal at $10 a ton. After a thorough trial Mr. Linnell came to the conclusion he would have to give up what ought to be a good business unless a cheaper fuel was obtained, as his furnace consumed altogether too much coal and it was also impossible to sustain a steady, even heat.

After making due investigation he decided to try California crude oil. A Larkin burner was obtained and the boiler and furnace were properly prepared for the new fuel.

From the start the experiment proved satisfactory. The fuel bill was reduced one-half. A steady, even heat was obtained the gauge showing that the difference in the degree of heat during the day's run did not exceed 5 degrees at the most.

Some trouble was experienced at the start on account of the unsatisfactory action of the burner. It consumed too much oil, at least more than was necessary, and this defect was remedied by changing the shape and size of the tip. This new tip was Mr. Linnell's own device and seems to be a great improvement over the old one. It throws the flame evenly over the furnace in the shape of a fan and also saves in the amount of oil consumed.

Another difficulty was experienced in the frequent clogging up of the burner, necessitating stops of half an hour to take the burner apart so it could be cleaned out. Mr. Linnell altered the shape of the burner so that all that was necessary to clean it out and remove any obstruction was to unscrew a stopper, insert a stiff wire in the burner and the obstruction was removed in half a minute. The burner is now perfectly satisfactory and the boiler requires absolutely no care from a fireman or engineer. The fuel supply is regulated in an instant and the boiler can be set to register just so many pounds of steam from early morning to late at night.

The oil is kept in a cement tank sunk near the works and is pumped up into a tank on the top of the building by a small pump worked from the boiler. The oil is led to the furnace by gravity.

For the first four months Coalinga oil of a high gravity was used. This cost $1.40 a barrel laid down in Berkeley. The amount consumed averaged in cost $40.50 a month for four months. At the end of four months Coalinga oil was changed for Bakersfield oil, and for the next four months the average cost was only $19.35 per month, the consumption of oil being reduced from 675 gallons to 554 gallons.

These figures show that for small boilers of ten horse-power or thereabouts the heavier Bakersfield oil is preferable to the lighter Coalinga oil, and is also less expensive, in that it requires much less oil to do a given amount of work.

In summing up the advantages of oil over coal Mr. Linnell enumerates the following:

1. Cost. His fuel expenses with oil are two-thirds less than when coal was used.

2. Steady heat. It is now possible to obtain a continuous, steady heat, which was not possible with coal.

3. Less labor required. Saves almost the labor of one man who was heretofore engaged as fireman, engineer, etc., and who was almost constantly looking after the engine and trying to keep up a steady heat.

4. Cleanliness. No smoke, dust, dirt or ashes.

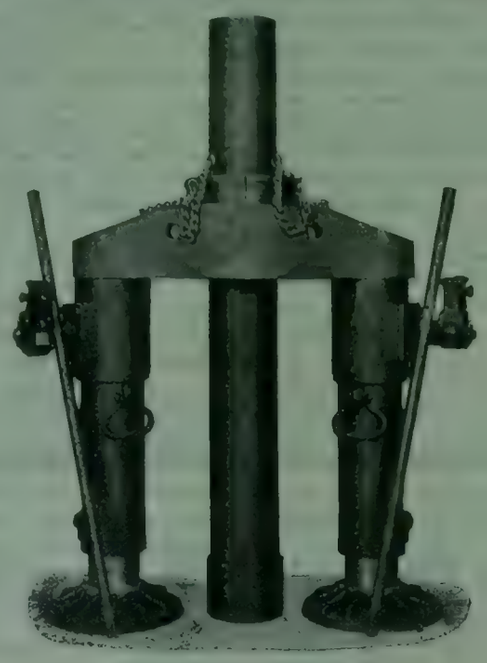
5. No danger from fires. Statistics prove that most of the fires in places where boilers are used come from raking out and banking fires. With oil all that is necessary to do to put out your fire is to turn a cock.

6. In hot weather oil is appreciated by those who have heretofore been obliged to work around a hot furnace shoveling coal into the fire with the thermometer standing at a hundred degrees or more.

What has been the experience of Mr. Linnell in using oil in place of coal ought to be the experience of every one who uses fuel in a small boiler. There are thousands of such and if half of them were using oil the present output of oil would not be enough to supply the demand. The number of small consumers, however, is increasing very rapidly, and each week sees many added to the list of small consumers.

W. D. Young, who has been in the east since June, in the interests of oil companies with which he is identified, is again at his home in Bakersfield.

AN EFFICIENT CASING PULLER.



The Norton Jack, With Ring and Slips for Pulling Casing.

One of the most practical and efficient devices for pulling casing is the Norton Ball-bearing Ratchet and Screw Jack. A pair of these jacks, furnished with a ring or collar and a set of steel slips for taking hold of the casing offer a very determined pull on a stuck casing. The jack itself consists of a stationary standard over which a sliding sleeve is fitted. Fitted inside the standard is a removable nut, made of phosphor bronze, the hardest metallic composition known. This nut rests on a shoulder, on which turns a screw, made with a buttressed thread that never strips. On the upper end of the screw is a steel gear; a hardened steel plate encircles the hub and rests on the body of the gear, and this plate contains circular rows of steel balls held in place by rings. Another steel plate is placed above this in the head of the sliding sleeve.

When the parts are assembled the sleeve slides down over the screw and standard. The bearing plate in the head then rests on the balls which revolve in the gear-plate, so that these balls carry the whole weight and give a minimum of friction. The sleeve carries the load, and is raised or lowered by the screw. A bevel gear on the ratchet shaft engages with the gear on the screw, and is operated by a reversible ratchet.

The ring and slips are absolutely necessary for an oil man, as experience has shown that nothing can be done in the way of pulling casing without them. The slips are made in sets of four, forming a circumference around the casing, and the teeth are set so as to take a firm hold. The ring does away with blocking, as none is required.

Section.

Ten strings of these tools are in use in the field, located at Kern River, McKittrick, Coalinga, Sunset and Los Angeles. The jacks are made from eight to seventy tons capacity.

For thirty-five ton pair the price is about $300. M. G. West, 216 California street, this city, is the agent for this coast.

WORK IN COLUSA.

Summary of Development Work Now Progressing.

The following is a list of companies operating in Western Colusa, and appear in the order in which drilling began:

Smith & Gorrill, operating twelve miles southwest of Williams on lands leased from the Colusa County Bank. Two wells down from 400 to 600 feet. Now drilling third well with new and heavier string of tools.

The Colusa County Oil company, known as the Orr & Meracle well, operating ten miles northwest of Williams on lands leased from T. H. Harlan. The well is down nearly 300 feet with gas and oil seepages. Operations are temporarily suspended while the crew is enjoying a brief pleasure trip to the coast. They are expected back in time to begin drilling on September 1st, when an extra crew will be put to work on the lease and a day and night shift will push the drill down as fast as the hard formation will admit of.

The Williams Oil company, operating nine miles due west of Williams on land leased from J. W. Brim. The hole is in sandstone and shale, and the walls are so solid the casing has not been placed in the well, but remains on the lease. Several oil seepages have been struck, and the tools are brought out dripping with oil. There is also a heavy pressure of gas. On Monday, August 12th, an extra crew of men were put to work and the drill is now operating night and day. The hole is now down about 400 feet.

The R. H. Herron well is being drilled on the Godfrey Ingrim lease twenty-four miles west of Williams, and 600 feet from the famous "Gibson Gusher." W. R. Wadsworth is superintending the work, which is being prosecuted as fast as circumstances will permit. At present operations are suspended on account of a shortage in the water supply. A pumping plant is being placed in Bear creek to force the water through two-inch pipes up over a hill 400 feet high and 3,000 feet distant to the well. Oil tanks are also being erected to store fuel for the engine. The well is down nearly 300 feet, and is cased with fourteen-inch pipe. Work will not be abandoned on this well until a depth of 2,500 feet is reached, unless oil is found in paying quantities.

The Bear Valley Oil and Development company, operating twelve miles southwest of Williams on the H. P. Eakle lease. The well is down 276 feet with oil seepages and gas. On August 9th a director of the company arrived from Oakland, paid off and discharged every man on the lease. No reason was assigned for this action and no information was given out as to the future intention of the company.

The Chehalis Oil and Mining company, operating twenty-eight miles west of Williams on land of their own. This company is boring only a few feet from the famous gas well, which in the early days furnished natural gas for lighting the old Wilbur Springs hotel, and which has been almost constantly burning for fifty years. Near the location of the well is the famous Elgin Quicksilver mine, rich in cinnabar. The company is very fortunately located, being in a position to strike a natural flow of gas, rich deposit of cinnabar or flowing well of oil. The drill has penetrated to a depth of nearly 200 feet.

The Minor Ranch Oil company, operating twenty-two miles west of Williams on the lands of B. M. Minor. This company has its headquarters at the booming town of Corning, and is the only one in the field to contract for drilling. Mumford brothers have erected a standard rig on the lease and are drilling at a stipulated price per foot. They are now down about 200 feet, and their future progress will be watched with deep interest.

The Gibson Oil company, which, early in the season, came into existence with a boom and a "gusher," has a standard rig rotting and rusting on Bear creek, twenty-four miles west of Williams, while the courts are grinding out attachments and the officials of the company are moving from place to place. The lease of the lands of A. A. Gibson and his partner, Martin, is said to have expired on August 10th. If such is the case the Gibson Oil company will find its finish in the courts.

Orr & Meracle of San Francisco have great faith in the future of this field. Besides the rig on the Harlan place, they have several other leases, and are about to commence boring on W. H. Williams' land. They have organized a company in Chicago, and a derrick has been constructed and is awaiting the arrival of the tools. Mr. Meracle is now in Chicago, and is expected home in the near future, when developments on this lease, will commence and be pushed as fast as the conditions will permit.

Liquid Fuel on Steamers.

Experiments made in Italy to determine the adaptability of liquid fuel on steamers were for the most part favorable. Among the points demonstrated were its advantage in the way of storage, its very considerable caloric value over coal, the close fire regulation, as well as the immediate effect of its combustion. The advantages in favor of oil in the direction of economy in firing are important, says the Marine Journal. One man can fire a battery of boilers as well as half a dozen men can fire the same boilers with coal. There is a saving of over 40 per cent in the weight of fuel per day. The report of these experiments showed that a common opinion is erroneous, namely, that the use of steam for spraying the oil would be inadmissible on account of the large amount required. It was fully demonstrated that a high efficiency in the use of oil could be obtained with an expenditure of less than 2 per cent of the amount of water vaporized.

Some objections were urged against the use of oil fuel, the most formidable being the relatively few places where it can be obtained. That objection has also been raised in the country. It is not as serious as it looks. There is now nothing to prevent the establishing of oil stations as we now establish coal stations. Oil can be stored as well as coal, and about as safely. What loss there is from evaporation would fall upon the supplying company. The ship owner would pay only for that which he drew from the company's tanks.

Heretofore the question of a sufficient supply for fuel purposes has been the worst problem experimenters have had to contend with. The state of Texas, with her apparently inexhaustible reservoirs of oil adapted to fuel purposes, would seem to have solved this problem.

The Oil Trust.

S. N. Griffith reports to an exchange that the oil combine formed for the purpose of controlling the Kern County product now claims to have 70 per cent of the property, giving stock in return to the respective individual owners. Appraisers are now in the field putting a price upon the various holdings. Mr. Griffith states that as a result of this combination of interests the oil market is stronger and he soon expects to see the price take a decided advance.

Awaiting the Magic Touch.

The seven wonders of the ancient world seem but playthings for children, when compared with the marvels achieved in the various fields of activity during the past century. In California during the past twelve months the remarkable growth of the oil industry has attracted the attention of the entire country to the untold millions of wealth which lies latent in our immense oil fields awaiting the magic touch of the drill to flow forth and benefit every class of the people. With the realization of the tremendous profits which this industry offers, persons of limited means as well as men of large affairs are taking time by the fore-lock and acquiring stock in legitimate oil companies. The list of reliable companies is steadily increasing due to the spirit of activity which is being displayed in the various oil districts; among those is the Standard Consolidated Oil and Land company, which offers at present an exceptionally good opportunity for investments. Stock in this company can be purchased at 20 cents per share, in a few months time the same will be worth way above par and will ultimately pay large profits to its shareholders.

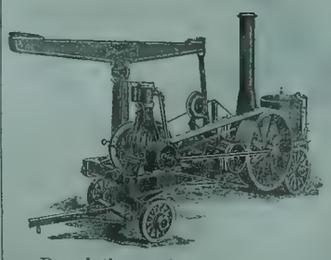
Asphalt Defies the Elements.

Time, weather, climate and soil seem to have no effect upon asphaltum. On the island of Trinidad, in the British West Indies, are ledges of asphaltum which project into the ocean. They have been there apparently for centuries. Salt water breakers and waves have pounded and hammered them for years, yet their sharp, well-defined edges prove that the pummeling and pounding which have worn away the most obdurate of rocks have failed to even round the edges of the asphaltum ledges.

The Elwood oil well, in Lower California, is reported down 500 feet.

The Star Drilling Machine

Cut shows boiler mounted upon frame of machine for oil and gas works. It is usually advisable to have boiler mounted upon trucks separate.



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The Portable Rig which has placed upon a lower plane the expense of operating for oil or gas.

Its tests range from shallow water wells to a limit of 2825 feet in depth, but it is especially recommended for work under 1500 feet and can handle easily 1000 feet of casing.

One No. 4 Machine has a record of Thirty-two 800-foot holes in one year.

Made in Sizes to Suit Territory.

The only machines made that are absolutely without annoying springs. They are simple, powerful and efficient, easy to handle at work or on the road. Used in every State and Territory and in many foreign countries.

We also make full line of Drilling and Fishing Tools, Reamers, Sand Pumps, Spuds, etc

STAR DRILLING MACHINE COMPANY

AKRON, OHIO.

STRUCK NO OIL.

Paid His Rental and Surrendered His Lease.

The filing of a paper in the Recorder's office by which the Southern Pacific Company accepts the return of a lease from Herman Nathan tells the story of a little oil speculation that failed. Nathan leased from the Southern Pacific on August 3, 1900, the property described as the W. ½ of W. ½ of 1, 20-15. This tract lies seven miles due northeast of Coalinga, but too far away from the oil sands, as the event proved. The lease was to run ten years and Nathan was to sink one well a year 2000 feet deep for four years. He was to pay $250 a year rent and to give the company one-eighth of his product. He drilled a well, he did not strike oil, and now by agreement with the Southern Pacific Company he is returned his first year's rental and surrenders his lease.

A Denial.

President Hays denies the report that the Southern Pacific has floated $15,000,000 in bonds to equip its engines. He is quoted as follows: "We have one thousand locomotives. The cost of equipping each engine is $400. We will eventually burn oil on all our locomotives, and will make the change as rapidly as our interests justify." At another time he is quoted as saying "We are not prepared to burn oil just now on a large scale. Neither are the big manufacturing plants. That can only come with the further development of the oil industry and assurance of steady supply."

Recent Patents.

Patents recently granted of interest to the oil trade are reported expressly for The Petroleum Gazette by J. M. Nesbit, Patent Attorney, Park Building, Pa., from whom printed copies may be secured for 15 cents each

Packer, C. F. Preslar, Cincinnati, O.; 677,468; 677,796.

Bailer, Kenneth Mooring, Rockland O.; 680,163.

Oil can, W. L. Howard, Monmouth, Ill.; 679,123.

Oil can, S. G. Stafford, Bellevue, Pa; 679,345.

Casing plug, A. L. McPherson, Oakland, Cal; 679,393.

Pumping apparatus, J. E. Kirk, Sistersville, W. Va.; 677,547.

Bull wheel, H. W. Eaton, Jr. and Andrew Benson, Bradford, Pa.; 678,774.

Device for perforating well tubes or casings, A. J. Bellah, Visalia, Cal.

Gas pressure regulator, R. E. Haward, Kansas City, Mo.; 678,872.

Strainer or filter for pump or barrels L. H. Thompson Crowley, La.; 679,131.

Non-explosive oil can, D. W. Hardesty, Allegheny, Pa.; 679,144

Well drilling apparatus Frank Simkins, Greenville, Pa.; 679,244.

Expanding underreamer and drill, J. M. Kellerman, Los Angeles, Cal.; 679,384.

Sand line and pump or bailer connection, C. L. Dorn, Bardsdale, Cal.; 679,886.

Los Angeles Stocks.

Business has been brisk among the stock brokers in Los Angeles during the past week, and although the Stock Exchange reports do not show a very large volume of trading, nevertheless the business was done and in considerable quantities.

Reed Crude was the most active trader. The prices on this stock ran between 32½ to 35 cents during the week though much more of it was handled near the higher figure than at the lower price. Westlake also moved considerably, although the price was considerably off; 5½ cents was the lowest figure touched. Columbia advanced to 25 cents, which is a gain of two points over former prices, although this does not accurately represent the market value of the stock, for it is probable but little if any could be had at less than from 28 to 30 cents. Central brought out a bid of 90, which is one or two points in advance of previous bids, but none was to be had at this figure, the lowest offering being at 95. Whittier Consolidated sold at 3 cents, which is low water mark for this security. Large orders appeared on the board at this price but only 3,000 shares could be found at the figure. A few thousand shares of Fullerton oil were knocked down at 6 cents. Quotations on Senator were $1.00 bid, $1.20 asked.

On the whole the market has been a trifle stronger although there appears no immediate reason for such a condition other than this, that prices generally have been below the actual value of the stocks quoted and anything like an attempt to fill orders of considerable magnitude would naturally result in advances.

Oil Companies Incorporated.

Constitutional Oil company. Principal place of business, Los Angeles. Directors A A Hopkins, D J Lewis, T C Williams, G H Hooper and T Martin. Capital stock, $50,000; subscribed, $15,002.

Belmont Oil & Development company. Principal place of business, Phoenix, Ariz. Directors: W W Moore, J S Trotter, T J Dugan, J W Thompson, C Constant, H Murray and W Wilson. Capital stock, $100,000.

Ignoleum company. Principal place of business, San Francisco. Directors: C A Wilson, W A Laufman, O H Barber, F N Greeley and I D Wood. Capital stock, $60,000; subscribed, $5.

American Crude Oil Burner company. Principal place of business, San Francisco. Directors: J McDermott, Z U Dodge, D R Jones and L G Traugh. Capital stock, $200,000; subscribed, $50.

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PACIFIC OIL REPORTER

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, AUGUST 30, 1901.

To Subscribers of the WESTERN OIL NEWS.

The News Publishing Company has finally concluded arrangements by which it sells the "Western Oil News" to the PACIFIC OIL REPORTER.

We bespeak for our successor the same cordial and mutually-valuable association which has characterized the relationship between ourselves and clientele.

The PACIFIC OIL REPORTER will be sent—free of charge—to to all subscribers of the "Western Oil News" for such time as their pre-payments entitle them.

Advertising bills due to the "Western Oil News" must be paid to us at the office, 44 Parrott Building, (Phone South 492) or to our authorized collector.

Any legitimate account against the "Western Oil News" will be paid upon presentation at the office. NATHAN CHURCH,

Managing Editor.

San Francisco, Cal.,

Aug. 28, 1901.

Fluctuations of Oil Stock Prices.

It is a hard matter to state the cause for the fluctuations in prices of oil stocks that have marked the sessions of the Producers' Oil Exchange for the past week. Some people think it due to the general depression of business in mining and industrial stocks, and as San Franciscans are naturally of a gambling disposition and must buy stocks of some kind they naturally drifted to oil stocks, on the ground that they were as low as they could be, and as a consequence the price of these stocks went up with a rush, which lasted about a week.

Another cause for the recent boom in oil shares is attributed to the compromise effected between the Hearst estate and the Home Oil Company. One paper, which never was known to give correct oil news, stated that the Hearst estate had paid the Home company $125,000 to square accounts. This report was republished in a number of outside papers and a boom in Home oil stocks resulted.

No sum has ever been given the Home by the Hearst estate and none has been promised. The Hearst estate repudiated its contract to pay the Home Oil Company 80 cents a barrel for its oil, and when the Hearst estate found itself in legal difficulties over the repudiation it offered to pay either 60 or 65 cents a barrel, which the Home Oil Company was only too glad to get. Consequently peace reigned and the stocks of the Home Oil Company went up, taking with them sympathetically a lot of other stocks.

Strike Comments

In spite of the senseless and unwarrantable labor strike now in progress in San Francisco the oil industry is in a satisfactory state.

Although the consumption of oil has materially decreased in San Francisco on account of many manufacturing plants having been shut down by the strike, the price of oil has advanced, and the tone of the market is much firmer. Stocks too have sold more readily and at a better figure.

So that in spite of the strike the oil industry is in a satisfactory condition. That it would be in a far better condition were it not for the strike is certain, and no oil man expresses any sympathy for the strikers, or co-operates with them in any way. The strike has decreased the volume of business, has prevented the sale of stocks, has affected the price of oil, and has prevented development in the oil fields.

Every oil man condemns the strike, and wishes the labor agitators were in Hades.

* * *

That the strikers are absolute cowards and worse than assassins is proved by the fact that although there are numerous assaults daily on non-union men, every case reported thus far has been when the striking union assailants have outnumbered their non-union victims by at least four to one. As a rule a gang of men rush out from behind a lumber pile, and before their victim can defend himself he is knocked down and beaten into insensibility. Hanging is too good for these thugs.

* * *

While the majority of the strikers and their families are suffering for the necessaries of life, the presidents and secretaries of the different labor organizations are drawing down fat salaries and are living on the best in the land. One of these labor agitators draws $450 a month for himself; his wife gets $250 a month as his private secretary, and together they live at a high-priced Montgomery street hotel, noted for its cuisine and excellent service.

* * *

That these labor leaders are liars of the first water there can be no doubt. Not a document have they addressed to the dear public in defense of the strike but contains the rankest mis-statements of facts. Lies are heaped on lies The most glaring collection of falsehoods was that contained in a letter to the farmers which endeavored to throw the blame for the loss of crops on the employers who were quoted as having said of the crops "let them rot." The only excuse for this continuation of the lying habit is in the fact that the "Examiner," the organ of the labor leaders, has always proved itself a past master in lying. It could not tell the truth if it wanted to, and the "Post" is not much better.

* * *

The "Post" used to be a decent sheet. That was when W. H. Mills had a say in the policy and conduct of the paper. A year ago the "Post" was quite a gentleman's paper, so that one could read it without greatly questioning its veracity, and without having his sense of decency and fairness outraged on every page. Things are changed now that the railroad sack is shut up, and the "Post" is trying to make both ends meet out of the few pennies it can scare up from the ranks of the strikers.

* * *

Every day sees dozens of the strikers breaking away and applying for work. The poor fellows have a hard time of it as they are continually exposed to the threats, jeers and assaults of the strikers who still remain under the control of the professional agitators. The police are doing their best to protect life and property, but their numbers ought to be greatly augmented.

WESTERN OIL NEWS SOLD.

The PACIFIC OIL REPORTER has to announce that it has purchased the Western Oil News, together with the subscription lists, advertising contracts and good-will of that publication. All unexpired subscriptions to the Western Oil News will be filled by the REPORTER, which will continue as in the past to be the best publication of its kind on the coast.

DISTILLATES.

Notes for Field Mechanics and Practical Oil Men.

The energy represented by what is termed the friction head of the water flow in a pipe is dissipated as heat.

To weld small shafting in a blacksmith forge: Upset the ends to be joined and split each down far enough to put in a double wedge piece; put altogether in a hot fire, driving together while soft in the forge; work on the anvil with top and bottom swages.

To weld malleable cast iron or malleable cast steel, a good flux is composed of equal parts by weight of pulverized borax and cast steel filings, thoroughly mixed and used in quantity. The anvil should be heated up to 150° F. or more to prevent the chilling of the metal by contact.

The easiest and most economical way to increase the horse power of an engine is to increase the steam pressure in the boiler, provided always if the boiler will stand the increase. Every added year of life of a boiler reduces by a measurable quantity its ability to withstand pressure with the proper safety factor.

The temperature to which drill steel is heated before tempering may or may not affect the temper, It depends somewhat on the steel itself and somewhat on the rapidity of cooling from the heat temperature to the temperature at which the tempering is begun. Different steels require to be worked under the hammer at different heats, some at white heat and others at as low a temperature as possible.

In starting a fresh drill into a hole already started it should be struck lightly until the bit is seated true in the bottom of the hole. The corners of the chisel edge of the drill round off as it is used so that the bottom of a hole is not up to the gauge of the bit of the fresh drill, which then seats on being put in only on the corners. Dropping the drill hard when the chisel edge is not full seated is apt to split off the corners and may break the bit off entirely. Striking light blows chips off the rock under the corners until the edge seats full on the bottom.

Babbit metal, as originally made, is an alloy composed of eight parts refined antimony, four parts copper and ninety-six parts tin. Ordinary soft lining, called babbit metal, is frequently made of four parts lead and one part antimony. Old type metal used for lining consists of two parts lead and one part each of tin and antimony. Frequent heating results in changes of the ratio of the metals in the

alloy, oxidization going on at different ratios. To prevent oxidization, protect the melted metal from the atmosphere. A covering of dirt will do. The coating of oxide that forms first is some protection. Pulverized charcoal, with a little salt and soda, is perhaps the best protection.

Just what causes checking or cracking in drill bits is hard to say in any particular instance. Sometimes it is the blacksmith; other times the water used for tempering and cooling. A third set of causes, however, is undoubtedly in the steel itself, due to defects in the manufacture. When a piece of steel is heated red hot and plunged into cold water to temper or cool, tremendous strains are set up within it. The outer portions are cooled instantly, and, of course, shrink, the still red hot interior portions yielding to allow this. But when the interior portions of the piece cool and shrink, the hardened outer portions resist the shrinkage, and stresses are set up in the piece that it yields to, either gradually or all at once. If the latter, the steel cracks and breaks soon after being withdrawn from the water. With this the original quality of the steel seemingly has much to do. Each particular grade requires its own special handling to get the best results and avoid the inherent weaknesses. To prevent the cracking, the effect of plunging in the water should be tested with the steel at different temperatures when plunged, and tested with different degrees of chilling before removal from the water. Careful testing will most likely discover the position of the weak point in handling and suggest the treatment that will avoid it.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, August 28:

BEAR FLAG.

500 at	08	40 00
600 at	09	54 00
1000 at	12	120 00
500 at	15	75 00
500 at	13	65 00

HANFORD.

3 at	125 00	375 00
4 at	117 00	468 00
3 at	118 00	354 00
9 at	120 00	1080 00
2 at	124 00	248 00
3 at	121 00	363 00
3 at	123 00	369 00
5(B90)	121 00	605 00
2 at	115 00	230 00
2 at	120 00	240 00
½ at	121	60 50

HOME OIL.

200 at	3 50	700 00
100 at	3 55	355 00
250 at	3 60	900 00
400 at	3 65	1460 00
100(S60) at	3 60	360 00
100(S60) at	3 55	355 00
1050 at	3 75	3937 50
150 at	3 70	555 00
100(B60) at	3 75	375 00
225 at	3 80	555 00
1400 at	3 85	5390 00
2075 at	3 90	8092 50
750 at	3 95	2964 50
135 at	4 00	540 00
400(S60) at	3 85	1540 00
100(S60) at	3 90	390 00
200(S60) at	3 80	760 00
100 at	3 80	380 00
100(B30) at	3 80	380 00

LION.

500 at	10	175 00
2100 at	12	252 00
1600 at	11	176 00
1000 at	13	130 00
100 Cash at	12	12 00
100 at	14	14 00
40 at	15	150 00
100 at	12	12 00

OCCIDENTAL.

233 at	50	116 50
200 at	48	96 00
200 at	49	98 00
45 at	52	23 40
500 at	51	255 00

REED CRUDE.

4000 at	34	1360 00
500 at	35	175 00
300 at	36	108 00
1700 at	40	680 00
1200 at	39	468 00
1000(S30) at	35	350 00
500(S10) at	39	195 00
3000 at	35	1050 00

PEERLESS.

165 at	5 75	948 75
70 at	5 50	385 00
100 (B90) at	6 00	600 00
50(B30) at	5 75	287 50
200 at	5 37½	1075 00
200 at	5 25	1050 00
100(B60) at	5 50	550 00
110 at	5 00	550 00

CALIFORNIA STANDARD.

1800 at	24	352 00
1400 at	27	378 00
1500 at	26	390 00
2200 at	25	540 00

JUNCTION.

1000 at	30	300 00
1700 at	23	391 00
200 at	25	50 00
1000 at	28	280 00
1450 at	30	435 00
1100 at	31	341 00
350 at	32	112 00
600 at	33	198 00
1700 at	34	378 00
500(B30) at	35	175 00
500 at	23	115 00
3000 at	22	660 00

MONARCH.

100 at	27	27 00
200 at	30	60 00
100 at	29	29 00
100 at	31	31 00
100 at	33	33 00
200 at	38	76 00

OIL CITY PETROLEUM.

3000 at	29	870 00
800 at	30	240 00

STERLING.

350 at	1 45	507 50
1200 at	1 50	1800 00
1150 at	1 60	1840 00
1100 at	1 65	1815 00
250 at	1 62½	406 25
100 at	1 57½	157 50
50 at	1 52½	76 25
200(B60) at	1 60	320 00
100(B30) at	1 60	160 00
150 at	1 35	202 50

CARIBOU.

100 at	84	84 00
100 at	69	69 00
600 at	70	420 00
800 at	70	560 00
200 at	69	138 00

HANFORD-FRESNO-KERN.

700 at	05	35 00
600 at	10	60 00

BAY CITY.

100 at	30	30 00
200 at	35	70 00

INDEPENDENCE

1000 at	13	130 00
1200 at	14	168 00

McKITTRICK.

200 at	30	60 00

PETROLEUM CENTER.

17500 at	04	700 00
56500 at	05	2825 00
7300 at	06	438 00
300 at	03	9 00
1000 at	02	20 00
1000(S90)	02	20 00
1000(B90)	03	30 00

MONTE CRISTO.

350 at	1 75	612 50
150(B90) at	1 85	277 50
100(B90) at	1 85	185 00
200 at	2 00	400 00
400 at	1 80	720 00
300(B90) at	1 90	570 00
200(B90) at	1 90	380 00

FOUR OIL.

200 at	37	74 00
200 at	38	76 00

SAN FRANCISCO & McKITTRICK

90 at	1 35	67 50

SENATOR.

600 at	1 15	690 00

CALIFORNIA STANDARD

1300 at	25	325 00

MONARCH OF ARIZONA.

100 at	37	37 00

SAN JOAQUIN

50 at	9 00	450 00
50 at	9 25	462 50
90 at	9 50	855 00
150 at	9 37½	1406 25
10 at	8 50	85 00

WOLVERINE.

200 at	75	150 00
300 at	73	219 00

TWENTY-EIGHT

450 at	1 50	675 00
50 (S30)	1 60	80 00
100 (S30)	1 70	170 00
100 at	1 80	180 00

WEST SHORE.

300 at	3 20	960 00

SOVEREIGN.

100 at	38	38 00
600 at	37	222 00
200 at	40	80 00
200 at	35	70 00

GIANT.

500 at	30	150 00

LOS ANGELES O. & T.

10 at	2 00	20 00

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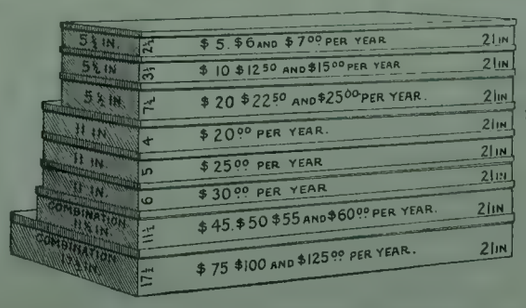

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FLUCTUATIONS IN PETROLEUM

Ups and Downs of Eastern Oil Prices.

An Eastern paper, the Franklin (Penn.) News, gives a summary of variations in Eastern crude oil prices, which will be of interest to California producers. Speaking of the recent advance in Eastern prices it says that the advance of 20 cents in credit balances last week, which will advance many a producer's bank balance nicely, was a welcome boon to the oil regions. In earlier times, when crude sold at high figures, such a change in price would hardly be worth noticing. Then values fluctuated widely, rising or falling whole dollars at a jump. These were the days of the Oil Creek teamsters, rubber-booted to the waist and red-shirted to the chin, and the barrels which held eight or ten gallons more than legal measurement. Exchanges, pipe lines and tank cars had not been evolved. Agents of leading firms waded through deep mud to buy the stuff at the wells, usually starting from Oil City in the morning and returning at night. Principals and agents alike were men of strict integrity, whose word was good as a bond. Business was done on honor, without any written obligation or iron-clad contract to enforce the deal. Trades were made in offices at wells, on the street, anywhere and everywhere, always to be carried out to the letter. The bulk of the oil was boated to Pittsburg or hauled to Corry. Thousands of barrels were handled daily, employing a regiment of active men and stacks of cash. The freighting not infrequently consumed so much time that the shipper, in the rapid gyrations of the market would not realize enough to repay the outlay.

William M. Leckey, still a respected citizen of Oil City, hustled for R. D. Cochran & Co., who owned the "Tiber"—a favorite towboat. William Porterfield and T. Preston Miller, the latter of Franklin, secured the country for Fisher Bros., Jabez A. Bostwick, afterwards a Standard magnate, had an agency in this neck of woods. Later Colonel A. J. Greenfield, Bradley & Whiting, John Austin and I. S. Gibson bought at Rouseville. R. Richardson, now of Franklin, purchased largely at Tarr farm. John B. Smithman, to whom Oil City owes its trolley system and a bridge across the Allegheny, represented John Mulhall & Co. One morning he set out to get all the crude possible at $3 a barrel. A dispatch at Rouseville told him to pay $4 if necessary to secure what the firm desired. At Tarr farm a second message raised the figure to $5. By the time he reached Petroleum Center the price had reached $6, with a climbing tendency, and his last purchase that afternoon was made at $7.50. A rise of $4.50 per barrel while a live man traveled up Oil Creek seven miles was surely a healthy spurt. Anything within gunshot of it now would paralyze the operators beyond hope of recovery.

Oil cavorted in 1861 at a rate to make dealers bald-headed. In January William H. Abbott, who had established a refinery at Titusville, paid $10 a barrel, and in March $1.25. During the summer much was sold at 10 cents, as barrels could not be furnished to hold the output of the big spouters. In October of 1862 Howe & Nyce stored 500 barrels of crude oil on the first railway platform at Titusville, selling it to Abbott at $2.60 a barrel, packages included. In January of 1863 Abbott sold the same oil from the same platform for $14, and in March the same lot—it had never been moved—brought $8. Thirty days later Abbott bought it again for $3 a barrel and refined it. The average price in 1863 was a trifle above $3, while the average in 1864 attained the dizzy elevation of $12.13, the highest twelve months in petroleum annals. No staple commodity has varied so greatly in price as petroleum, a convincing proof of its good staying quality.

The first oil from the Evans well, Franklin's first strike, brought $20 a barrel. The first from the Cochran farm sold at $14. Crude brought in September of 1862, at 30 cents a barrel, sold in December at $11. A buyer once counted out $10,000 on the head of an empty cask at the Clapp farm, above Oil City, for 1,000 barrels of the product, which cost him $4,000 to haul to Franklin for shipment to New York. In December of 1862, Jesse Heydrick, organizer of the Wolverine Oil company, the second formed in Pennsylvania to drill for oil, went to Irvine, forty miles up the river, to float a cargo of barrels to his big well at Henry's Bend. Twenty-five miles from Irvine, on the way back, the stream was frozen from bank to bank. He sawed a channel a mile, then ran the barrels to the well, filled them, loaded them on a flat boat, and arrived at Pittsburg on a cold Saturday before Christmas. Oil was scarce, the zero weather having prevented shipments, and he sold at $13 a barrel. A thaw set in, the market was deluged with crude, and in four days the price dropped to $2! Stock fluctuations had no business in the game with petroleum. Mr. Heydrick has lived at Butler for years. He is operating in oil today, losing none of his old-time pluck and vigor. A recent venture was the test well in Indian Territory, which kept the wires hot a few weeks ago with reports that it trotted in the class of the Texas gushers. Heydrick's Wolverine company proved a dandy of the first water. The first well pumped only ten barrels, while the next flowed 1,500 barrels a day month after month. Wolverine shares fairly soared. Heydrick secured the whole batch eventually at prices ranging from $4,000 to $15,000 each. Eight rods square of the company's land went for $5,000 and half the oil. Part of his interest Heydrick parted with on the basis of $1,500,000 for No. 2 well and twenty surrounding it. No wonder speculation ran riot, and men periled their souls and fortunes to get a slice of rich territory. It is singular than the Heydrick well, located at random in 1860, was the largest ever struck on the banks of the crooked, zig-zagged, oxbowed Alleghany.

Early in the sixties Frederick Prentice in company with W. W. Clark, of New York secured a quarter interest in the Tarr farm and began shipping oil to the Clark & Summer, who also had an interest in the farm, built a refinery at Pittsburg and agreed to take 100,000 barrels of crude from Clark & Prentice, at $1 a barrel, to be delivered as required during the year. Before the delivery of the first lot the price ascended to $1.50, getting to $6 ere the completion of the contract, which was fulfilled to a finish. The advance continued to $14 a barrel, lasting only one day at this figure. Prosperous days were these in oil circles, never to be repeated while time wields his trusty blade. The late E. E. Clapp, when operating extensively on Triumph Hill, sold his entire production for a year ahead to Adnah Neyhart. The price dropped to one-third that agreed upon, but Neyhart did not flinch. He took the last drop, paid the money always at sight, and lost tens of thousands of dollars by the transaction. A rare spirit, was E. E. Clapp, of whom pleasant stories by the score might be written. Four years ago he left the good roads he constructed at his own expense in President township to tread the golden streets of the New Jerusalem.

Pipe-line certificate and oil exchanges changed the methods of trading. Fluctuations of 5 to 50 per cent have been common, but they could not hold a candle to the violent rises and falls of the pioneer period. Yet bulls and bears often reveled in excitement, and brokers had customers in every quarter of the United States. A memorable exciting experience was the terrible slump in May of 1862, occasioned by the striking of the "46" in Cherry Grove township, Warren county, miles from previous developments. Nobody had an inkling of George Dimick's wildcat well finding oil. The news that it was flowing 2,500 barrels came like a thunderbolt from a clear sky. The scenes in the exchanges, as certificates tumbled, ten, twenty, thirty, forty per cent, cannot be described. Margins and small holders were wiped out in a twinkling, and the losses aggregated millions. It was a panic of the thirty-third degree, far-reaching and ruinous. A plunge from $1.30 to 55 cents for crude meant distress and bankruptcy to thousands of producers and persons carrying oil. Men comfortably off in the morning were beggared by noon. Some Franklin parties had a tight squeeze, coming out of the shuffle heavy losers. Gradually the speculative era declined, until the exchanges ceased to exist. A big spurt in April of 1895 temporarily revived interest. Again the exchange at Oil City was thronged. Exciting scenes of former years

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WORK HAS COMMENCED. Well No. 1 is now almost completed and is in oil.
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were renewed as the price climbed 40 cents a clip. It was refreshing after the long stagnation to see the pool once more stirred to its depth. From $1.10 on April 4th the price strode to $2.80 on April 17th. Certificates were scarce and credit balances were snatched up eagerly. A few big winnings resulted, the reaction set in, the spasm subsided, and matters resumed their customary quietude. Of late years credit balances have been the rule, with slight fluctuations and no startling upheavals to recall the periods when fortunes were gained and lost in a sudden turn of the market that fairly took away one's breath.

A BRITISH VIEW.

Consular Report on the Oil Industry.

A consular report issued by the British foreign office has the following to say about the California oil industry: During the past year prospecting for oil has continued with unabated energy, and the industry is receiving more attention from investors than any other branch of mining. Properties are being developed in all parts of the State, from Shasta county in the north to San Diego county in the south, while the eastern extension of the petroleum formation has been traced into the neighboring territory of Arizona.

A large increase from the Kern county field is noted, due to many new wells in operation there. Ventura county, which is the oldest producing district, has lately been attracting much attention, and successful developments have taken place, so that a further increase in the production of the State may be expected for the present year. The total output for 1900 is estimated at from 4,000,000 to 4,300,000 barrels, against 2,677,875 barrels in 1899. This rapid increase has brought forward the cost of over-production, regarding which there exists a great diversity of opinion. Some authorities point out that formidable competition must be expected from the colliery proprietors of the State of Washington and Province of British Columbia, who furnish the bulk of the coal used in San Francisco. This city last year absorbed a total of 1,919,800 tons, and if this were to be replaced entirely by oil it would provide a market for but 6 399,333 barrels, estimated upon the conceded basis that 3⅓ barrels of oil equal in heat energy a ton of the best steam coal. If the expectations of the oil producers are realized the output will in a few years far exceed the requirements of this city, which is the principal market in the state.

On the other hand it seems certain that the demand for oil will rapidly increase, as manufactnring will be greatly stimulated by the supply of cheap fuel now assured. It is alleged that many resources exist which have remained undeveloped on this account and which can now be profitably exploited.

An important field for the consumption of oil may be found among the shipping, and the probabilities of exporting the product by sea are being discussed. All admit, however, that one of the great difficulties of the state has been solved by the development of the industry. Manufacturers are ready to take large quantities of oil providing that the producers can guarantee to furnish a regular supply for a term of years, and negotiations are now pending on the subject. Hitherto it has been found impossible for the manufacturing interests on the Pacific Coast to compete with those in the eastern states, but when the oil business reaches a more settled basis this disadvantage will be removed.

Most of the producing wells are situated in the central and southern parts of the state, but prospectors seem hopeful of the new districts which are being tried, although up to this date no actual output has been obtained. Accurate statistics as to the number of wells in operation have not yet been compiled, but reliable estimates place them at 3000 producing wells while there must be 2500 more in course of construction, some of which are in territory proved to contain oil.

The oil produced here is practically all used for fuel, although some for illuminating purposes is turned out from the refineries established in the Puente district and near San Francisco. The specific gravity varies from 12 to 40 degrees. The price of oil has been steadily declining, and ranges from $1 per barrel for the best qualities to 20 cents for the inferior kinds. This is doubtless owing to the fact that the production has been so rapid that the supply has temporarily far exceeded the demand.

The necessary storage capacity cannot be obtained and the railroads are not prepared to furnish transportation. Some of these difficulties are expected soon to be overcome when the price will regulate itself.

Oil at the Fair.

The Mount Hamilton Land and Oil company will make a large display at the State Fair. It will have a complete oil pumping outfit, with cabins and all that go to make up a typical oil well establishment. The managers of the company have written to L. Bell, their agent in Sacramento, saying that the display will be first class, and that it is bound to be a hit, as it will be something new and will illustrate the principal features of California's latest industrial development.—Sacramento Record-Union.

ASTHMA CURE FREE

Asthmalene Brings Instant Relief and Permanent Cure in All Cases

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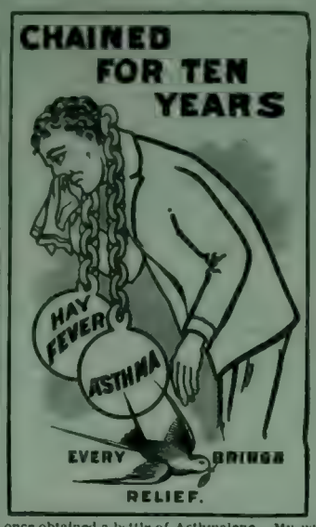
WRITE YOUR NAME AND ADDRESS PLAINLY



There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Beal Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co

Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,

REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.

Dr. Taft Bros. Medicine Co

Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease. Yours respectfully,

O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.

Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City

TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

Do not delay. Write at once, addressing DR. TAFT BROS'. MEDICINE CO., 79 East 130th Street, New York City.

Struck Oil
South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,057 feet, with every prospect of striking oil.

In order to prove this land I will sell

50 ACRES AT $100 PER ACRE.

EASY TERMS

This offer must be taken up at once or it will be withdrawn.

None but principals need apply. For particulars address

B. W. W.,

Care of Pacific Oil Reporter

318 Pine Street, San Francisco.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

The latest report from the well being drilled on the land of the Williams Oil company, west of Williams, is that the well is down 340 feet and the work is progressing finely. A strong flow of gas is being encountered, also a satisfactory oil seepage A new cable has been ordered.

A lot of new improved machinery is being installed at the plant of the Minor Ranch Oil company in Colusa county. The company has been compelled to put in a pipe line leading from Bear Creek to supply the water necessary for the boiler. A water well was first bored to supply the engine with water and a good flow was found, but now since the work of drilling the oil well has commenced, it has been discovered that the well water is not at all suitable to make steam, owing to the quantity of oil or other minerals it contains.

FRESNO.

The Merced is running tower.

The Santa Clara continues drilling.

The Mercantile Crude is going steadily along.

The casing in Coalinga No. 10 will all be pulled soon.

Sauer Dough No. 1 is down over 1000 feet, with lots of oil.

California Oil Fields, Ltd., has two good wells, No. 1 and No. 2.

Rock No. 2 is getting along nicely and prospects are still better for a promising well.

The Wisconsin rig is being moved to Selma Hill and will be used by the Zenith company.

The Maine State put in 9⅝ casing to a depth of 800 feet below first oil sand with good prospects.

The Commercial put in 900 feet of 7⅝ drive pipe last week, and are now putting in another string.

Ditching for the Maine State pipe line has been in progress for a week and the pipe is now being distributed along the line.

Nothing worth mentioning in the way of progress has been done by borers of the Westlake Rommel well for several weeks.

While the Blue Diamond has not reached a great depth for the time it has been at work there is already a slight showing of oil in this well.

Work on derrick site has been commenced by the Zenith Oil company, a rig will soon be in course of conseruction, and drilling will be commenced soon after the 1st of September.

A general clean-up of debris around the two wells lately abandoned by the Ætna company has been made. This company will not start any new wells within the next sixty days.

A very fine quality of oil has been taken from Home No. 8 at a depth of 1500 feet, but not in paying quantities. It is of a light amber color, and a ten-barrel well of such oil would be a fortune in itself.

HUMBOLDT.

There seems but little doubt now but what the oil company, represented by J. F. Coonan of Eureka, will negotiate a lease with the Ferndale company to develop the latter's three thousand acres of oil land on Bear River. Two-thirds of the owners of stock in the Ferndale company, we are told, have signified their consent to lease to Mr. Coonan's company, which agrees to start boring within sixty days providing Expert Watts' report is favorable. Should operations be commenced on Bear River, one of the drilling outfits in the Mattole section will quite likely be secured. In the opinion of many oil experts who have visited Humboldt in the past the Bear River section is considered the most promising in the county, and the report of Prof. Watts is awaited.

KERN.

The Moneta has a new derrick up and will soon begin drilling on a new hole.

From offers made to the San Joaquin by the Standard it is inferred that oil is going up.

Fremont Oil company is reported in oil at 900 feet in its first well on 2, 11-24, Sunset.

British California Oil company has let a contract for drilling three wells on 28, 28-28, Kern River.

The Century has been lowering its inner tubing. It began pumping the well the first of the week.

Bolena No. 2 has lowered its nine and five-eighths casing, and the drill is now working in a rich stratum of oil.

The Chicago Extension is still drilling on its property on the South side. No new formations have been reported.

L. H. Bartlett, of the Boston companies of Sunset, will, on September 1, open a general office in San Francisco.

The Colorado and California, which has the biggest well in Sunset, has struck oil near Steamboat Springs, Colorado.

The Wizard, on section 26, 29-28, is making progress with its hole. The eight-inch drive pipe is gradually being forced to a greater depth.

The New York Syndicate operating on section 8, 29-28, is having good luck with the sinking of its first well which is now at a depth of 200 feet.

The Barton, 25, 32-23, which recently struck oil at 950 feet, will continue drilling and complete the well as soon as possible.

The Panorama, on the south side, has passed through the showing of oil which it encountered a few days ago and the drill is now working in a water sand.

The Board of Appraisers of the oil combine have been looking over the Monte Cristo property. They expect to be engaged in the field until October.

The Nevada County Oil Company, 30, 28-28, has erected a new rig on its holdings and will soon resume developing its property. A water well will be drilled at once.

The work in the Kern River field is apparently beginning to open up and it is expected before another month has passed several new holes will be in the process of drilling.

The Western Mineral company is now one of the active workers of the Sunset field. From two wells the company is now making regular shipments of oil to the Jewett & Blodgett refinery.

The Lion Oil company, Sunset field, has two good oil wells in the shale. No. 2 is flowing fine light oil, and is said to be the best well in the field. Well No. 1 is also yielding a good return under the pump.

Hickey & Vizie are pulling their 8-inch drive pipe from the well they are drilling on section 19. The hole will be reamed out, after which the casing will again be lowered.

Alva No. 2 was started last week and Monday the hole was at a depth of 200 feet. The formations encountered in this hole are of a much harder texture than were those found in the drilling of No. 1.

It is reported that J. D. Spreckles has made an important purchase of oil land in the Devil's Den district. The piece mentioned consists of eighty acres, being N½ of SE¼ of section 16 in Kings county.

The Western Mineral of Sunset has begun letting the drill drop for its third well. Nos. 1 and 2 are pumping steadily, part of the product being used as fuel and the balance being hauled to the Jewett & Blodget refinery.

F. E. Mannel, field manager for S. N. Griffith and W. H. McKenzie, reports that the water-pipe line of Chanslor & Canfield, from the Santa Maria valley, has been completed to the Midway district, a distance of 16 miles.

It is reported that the Red Bank Oil company, section 4, 29-28, has recently made a contract for a large quantity of oil. The company will resume pumping its wells at once and will begin sinking its ninth hole as soon as possible.

The officers and directors of the Kansas City companies operating on section 29 are planning to make an extended visit to the holdings in the local field. Several of the gentlemen have not as yet seen the lands in which they are interested.

The Western Union company on section 11, 31-24, is getting along finely with its drilling. The hole is now nearly 400 feet deep; the company is confident that it will make a strike on the property, and if it does a new section of territory be proven.

The Perseus is going ahead with the drilling of its first well on section 29, 28-28. Though it has encountered a very hard stratum, advancement is being made. The Perseus gets its fuel oil and water from the Alva and Bolena companies.

There are now at least 12 wells in the Midway. No. 1, the property of Griffith & McKenzie, is reported to be producing 200 barrels. Work will begin on No. 2 in a few days. It is the purpose of the company to put in 10 wells before the first of the year.

The Bakersfield-Sunset railroad is nearing completion in spite of the hot weather which has prevailed, and it is expected that trains will be running over it by the middle of October. As there are wells in the Midway, the people of that district desire to have the line extended from Sunset to Midway.

Bolena No. 1 is furnishing water for the Mecca and Perseus Oil companies. This well was considered a good oil producer, but later the water sand was encountered at 1250 feet and the company decided to use it as a water well for the present. A water well in the northwest part of the field is of more value than oil well.

It has been definitely decided that the terminus of the new Sunset railway will be on land of the Queen Oil company, which adjoins the Jewett & Blodgett refinery. The railroad company has not decided the exact location for the depot and other buildings, but as soon as the station is located the company will plat forty acres into town lots.

The Stratton on section 32, 32-24, which struck oil several weeks ago, has now a flowing well. As soon as the oil was encountered the drill was hung up and soon after the oil began flowing over the top of the casing. It is thought that the well, if completed, would be able to take its place among the list of the leading producers of the Sunset district.

The towns in the San Joaquin valley cannot depend much longer on the foot hill oak trees for a fuel supply. On the contrary, the valley will soon be sending fuel in the shape of oil to places in the hills where much fuel is used. Large quantities of oil are now being hauled up to Coulterville for use in the mines, the hills around there having been stripped of timber.

According to a press dispatch Antioch will be a distributing depot for Kern county oil. George H. Larkin, who is doing outside work for the Producers' Oil Storage and Transportation company, has procured a site for the company just east of the Antioch Lumber Company's wharf. A wharf 30x70 feet in dimensions will be built here and on it will be placed tanks with a capacity of 8000 barrels each. The oil will be hauled from Kern county in oil cars over the Santa Fe road. The cars will be run upon a sidetrack back of the wharf site. Oil will be pumped through a pipe from the cars to the storage tanks on the wharf. Fuel oil will be supplied from these tanks to all consumers along the San Joaquin and Sacramento rivers.

LOS ANGELES.

Alpine Oil company is tubing No. 3 at Newhall and promises a good producer.

The East Whittier Oil company's No. 2 is down nearly 1200 feet with an excellent hole.

The North Whittier Oil company's No. 2 is down nearly 900 feet, but progress continues to be slow.

Contractor Kiser has the El Moro company's No. 2 down over 300 feet and is making good progress.

Contractor Fred Stone, who is drilling No 3 for the Clarendon Heights company, is working in a oil-smeared derrick.

The Santa Ana Oil company is perforating No. 2 at Newhall, with several hundred feet of oil in the hole. A big producer is expected.

The Pacific Coast Oil company has a force of men at work at Newhall grading and rig building preparatory to resuming active operations.

The Safe company has experienced trouble in the Newhall field with running sand in No. 1, which greatly interferes with the pumping of this good well.

Complete new drilling outfits have recently been sent into both Castiac and Mint Canyons in Ventura, near the Newhall field, for the exploring of new territory.

It is understood that the Zenith company is soon to resume operations on its recently acquired Newhall territory, which directly adjoins several producing properties.

The Newhall Consolidated Oil Company is the latest operator in the Newhall field. The company is now planning to sink a well on section 26, an entirely new territory.

E. P. Clark of the Los Angeles-Pacific Railway, under the name of the Towsley Oil Company, is erecting a derrick for a new oil well on property near Newhall in the east end.

The Towsley Canyon Oil Company at Newhall has shut down and is waiting for a fishing tool. The company's well is now in 980 feet, and the intention is to go 1200 feet if necessary.

Richard McConnell, who has the contract to put down the deep wells for the

Central Oil company, has the first hole No 31, down over 500 feet, and has begun spudding on the second, No. 33.

The Enterprise Oil company of Newhall is pushing operations rapidly on both 1 and 2 and strikes in each may soon be expected. Mr. Haines of Boston is looking after the company's interests and directing its operations.

The Whittier-Fillmore, which is operating on the Tubbs-Evans tract, has its first well down over 700 feet. The casing was put in the hole this week in order to prevent the edges of a hard shell from cutting the casing. The formation holds up well and there has been no caving.

The Home Oil company began spudding Monday on No. 13. Progress has not been very rapid because of a gravel formation. The difficulties on No. 10, which is being deepened, have been overcome. No. 6, which was recently put on the pump after being deepened a number of hundred feet, is improving in production. The well is now good for 100 barrels a day.

The Pearl Oil company encountered a light flow of gas and oil at 530 feet in No. 1 at Newhall and a good well is expected within 200 feet. The derrick is completed for No. 2 and drilling will soon commence. This company has a large holding of exceptionally promising territory. Its No. 2 is located but 250 feet southwest of the Eureka No. 1, which has been pumping a fine quality of oil for about a year.

The Consolidation of Oil companies of California will file its papers in a few days with a capital of $1,000,000, fully paid up and with control of four of the largest producers in the Los Angeles territory. Maj. Joe Easton says its stock will be in the control of eight persons who own 70 per cent of the stock of four local companies. For the present they will confine their attention to the local market. They will not purchase outright the plants, but a controlling interest in the stocks will be delivered under contract to a New York trust company and shares of the new agency will be issued through that agency.

ORANGE.

Fullerton Consolidated Oil company has one string of tools at work and is pumping its other wells steadily.

Crown of the Valley Oil company, which has been at work for months north of the demonstrated territory, has at last abandoned its hole.

Graham & Loftus are carrying on steadily the development work which they have been conducting for several years, and are steadily adding to the value of their property.

Olinda Crude Oil company is running two strings of tools, on Nos. 3 and 4, south of the Fullerton Oil company, on the south dip of the anticlinal, having the holes down about 1100 and 1200 feet respectively. As these holes are in line with the Fullerton Consolidated Oil company's wells, it is expected that good results will follow the tapping of the pay streak.

Not only has the Santa Fe Oil company nine strings of tools at work, but it is preparing to start six or seven more strings, and there is every reason to believe that its production will rise with remarkable rapidity during the coming few months. This is due to the policy of the Santa Fe Railroad to extend the use of oil as far as possible, and the managers of the road naturally want to produce as much oil for the company on its own lands as possible.

The most important strike made recently in the Fullerton field is that of the Columbia Oil company's No. 2 on the Union lease. This well is a considerable distance west of the developments of the south dip of the Fullerton hills, between the early wells and those in Brea canyon, and while all reason led to the expectation of good wells in the lease, the actual demonstration of the presence of oil in good quantity is satisfying. The well in question is not to be considered finished, though it has been put on the pump for the time being, and is considered good in its present condition for about twenty five barrels. The drill has gone but seventy feet into sand. The same company has drills at work on Nos. 8 and 13, while its other wells are keeping up the regular output.

SANTA BARBARA

The Underhill well has been abandoned and the rig is being moved nearer the beach.

The well on the Harris place is progressing favorably. All the machinery is on the ground and the derrick is now going up.

The work of oil development in the Los Alamos field is progressing favorably and it is now established almost beyond a doubt that there is an oil field in that district.

SANTA CRUZ.

The Alberta Oil company, which is operating on a part of the Sargent tract, leased from the Watsonville Oil company, struck oil in sand last week. Their well is down over 900 feet, is in oil sand, and a strong flow of oil is expected at 1,050 feet.

SOLANO.

Work continues in the Armijo well, which is almost 1000 feet in depth. A string of 7⅝ casing is down to the bottom. The favorable indications which were reported previously still continue.

At a depth of 1250 feet, 10 inches of oil sand was penetrated in the Vacaville well last week, thereby giving the members of the company great encouragement. Drilling is now going on in the well and will continue until a depth of at least 1500 feet is reached.

An immense flow of gas has been struck in the Rochester Company's well. The pressure is so great that when the casing was raised 40 feet above the floor in the derrick water was forced over the top of the casing. A curious feature of the present condition of the well is that the water which is at present being forced upward is warm, its temperature being 94½°. As a means of testing the force of the gas a board was laid on top of the casing and s string of tools weighing about 2000 pounds was placed thereon. The gas raised the weight clear from the casing. With this amount of pressure of gas the members of the company feel that they have a valuable piece of property aside from the oil prospects. The drive casing is being taken out and the bottom of the hole will be reamed with a 7⅝ drill, after which the water will be cased off and drilling resumed.

TEHAMA.

The drillers of the Corning Oil and Gas Company have recovered the drill recently lost in their well. The new 2000-foot cable has been put in place and drilling will soon be resumed.

KERN.

The Panorama, on 14, 29-28, is down 1225 feet. Three strata of oil sands have been met.

The San Joaquin company will begin about January 1st sinking several new wells.

The Del Rey will perforate its No 4 which will be as good as the other wells on the same section.

The Wizard, on 26, 29-28, south of the river, is down 1057 feet; the drill is now in blue clay; work is going on night and day.

The Rio Bravo is soon to resume development work and other companies in the oil field are preparing to do likewise.

The manager of the Bald Eagle Consolidated expects to put up a derrick on the company's property on section 30 28-28.

Spring Oil No. 1 has entered the oil sand near the 900 foot level on section 13, 29-28. Well No. 1 is steadily pumping oil into the storage tank.

The Four Oil company has assigned to James J. Fagan of San Francisco its lease to the W½ of the NW¼ of 34, 28-28, and the E½ and the W½ of 4, 29-28.

The McKittrick company in well No. 1 on section 1, 30 21 went through eight feet of oil sand at a depth of 300 feet. Stove pipe casing was used to that depth and eleven and five eighths is now being used.

The Volcan has decided to put a compressed air pump in its well on section 8, 29-28. The representatives of the company will visit the property one day this week and it is expected the compressor will be installed the first of next month.

The refining company to be known as the National is meeting with some delay in getting the machinery for the plant as it has to come from the east, it being impossible to get the necessary work done in San Francisco.

The San Joaquin, formerly a flowing well, has been placed on the pump and is now producing between 400 and 500 barrels a day, which is all the pump is capable of handling. It is thought by putting on a larger pump the capacity would be increased to quite an extent.

The Tremont, one of the Boston companies having holdings in Sunset, has completed a good well. The product of this well will go to the refinery soon to be constructed at Port Costa under the same management as are the allied Boston companies.

NAPA.

At a depth of about 600 feet a strong flow of gas was encountered last week in the well of the Calistoga Oil and Development company north of Calistoga. The formation is now becoming softer and the indications for oil more favorable.

SAN BENITO.

Mr. Robert B. Todd, general manager of the Calistoga Oil and Development company, recently returned to San Francisco after an extended stay in the Vallecitos district in San Benito county where considerable drilling is now being done. He reports that the well of his company is now over seven hundred feet deep and in good condition.

A Big Enterprise.

The advertisement of the Costa Rica Petroleum and Coal Company on the last page deserves careful consideration. Few enterprises present more favorable opportunities either for large or small investors. The subscriptions, both here and in Europe so far have exceeded the $100,000 mark, and the company will go actively to work, shipping coal in side of three months. For prospectuses or other information, address the Pacific States Mining and Investment Company, 326 Post street, San Francisco, Cal.

Independence Oil Sample.

Independence in the Coalinga district has four wells and the still shows that there is 8 per cent good kerosene, 8 per cent distillate, 10 per cent light machine oil and 18 per cent heavy lubricating oil and four tons of asphalt to the 100 barrels. This is a fair sample of what the field produces outside of Oil City. In the immediate vicinity are El Capitan, Confidence, Main State, Oil City Petroleum and the Twenty-Eight Oil company. El Capitan and the Confidence are largely owned in Fresno.

JOSEPH B. TOPLITZ.

The heavy inquiry reaching this office regarding the selection of a reliable oil-broker affords us a welcome opportunity to present herewith to the earnest consideration of discriminating investors the name of the above well known gentleman, as worthy of unlimited confidence and support.

Mr. Joseph B. Toplitz is one of the long established and successful brokers of the Pacific Coast, whose judgment can be implicitly relied upon and who is at present exclusively engaged in the oil business and makes a specialty of

MR. J. B. TOPLITZ.

Member Producers' Oil Exchange, 330 Pine Street, San Francisco.

Eastern orders. Among oil men Mr. Toplitz is recognized as possessed of very superior judgment, as those who have placed their orders with him most cheerfully testify.

Mr. William Ellery of the San Joaquin Oil and Development Company, and an acknowledged authority on oil matters, while in Chicago recently spoke of Mr Toplitz in most complimentary terms as the very best and most reliable broker in San Francisco.

He is also one of the most active members of the Producers' Oil Exchange and to commend his services to our readers means simply to point out to them where their best interests rest.—Bonds and Mortgages, Chicago, Ill.

A well-known driller states in the Californian that at least one-half of the trouble encountered in the drilling of wells, laid to heaving sand, is not caused by heaving sand. "The difficulty is simply sand running into the hole through a shattered casing. This may be caused by a weak spot in the casing giving away when it is being driven down or it may be caused by a collapse of the casing resulting in the opening of cracks through which the sand pours in. Heaving sand usually comes in gushes and not gradually as does the sand running through an opening.

OIL

Deal with responsible people if you want to be protected.

"A word to the wise is sufficient."

Success camps with success.

"Then follow success,"

Follow me!!!

With 14 producing companies I've broken the record—7 to 1.

Where would you have been, had you followed me?

I've no time to waste on "dead ones."

The secret of my success lies in the fact that I place my clients on proven property.

I let others "wild-cat" and "prospect."

I'll be their neighbor IF they strike oil.

Write for a FREE copy of my "ILLUSTRATED OIL FIELDS," which describes the origin of oil in all its phases, where it is found, etc., etc.

References: San Francisco Banks.

JAMES R. T. MERSHON

PARROTT BUILDING

OIL

THE BEST CASING PULLER

The Norton Ratchet Jack

With Ring and Slips for Pulling Casing.

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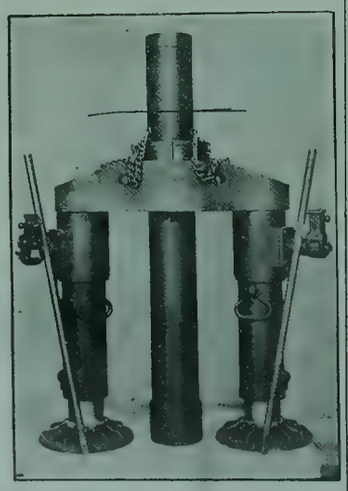

This jack is self lubricating, provided with ball bearings, giving maximum of efficiency with minimum of friction. No blocking required, as the hold of the ring and slips is absolute. Convenient to operate, light and durable. For prices and particulars address

M. G. WEST, 216 California Street, San Francisco.

CALIFORNIA CONSOLIDATED OIL COMPANY

OFFERS FIRST BLOCK OF STOCK

PROCEEDS TO BE USED

Exclusively for Development Purposes

The First Rig is now being erected on their property adjoining the Bay City Oil Company's Big Producer

THOS. F. BOYLE (Business Manager S. F. Daily Bulletin) President
J. H. CROTHERS (of the Bulletin), Treasurer
F. E. HARMON, Secretary.

Offices, 537 Parrott Building

TELEPHONE SOUTH 460

LAW SUIT SETTLED.

Home Oil on Dividend Paying Basis.

A local evening paper is authority for the statement that the lawsuit against Mrs. Hearst was compromised last Friday in a way creditable to both parties. By the terms of the agreement the company will handle its own output. Mrs. Hearst pays $60,000 in cash, and $60,000 in payments of $500 each, first of which will be made Jan. 1, 1902, and one of the same amount the first of each month following until payment is completed. Mrs. Hearst also pays $10,801 for oil delivered in May and June and not paid for. She also agrees to take 3000 barrels of oil per month for a term of two years at 85 cents per barrel f. o. b. The company also agrees to pay Mrs. Hearst $11,998 for the tank. It will be seen by the foregoing that this at once places Home Oil company on a dividend basis, there being enough money on hand to insure a 10 cent dividend per month for twelve months.

Beaumont Wells.

A New Orleans dispatch gives the following as a complete list of "gushers" brought in at Beaumont, Texas, up to August 10: Lucas, January 10; National (Beatty) March 26; McFadden No. 1, March 29; Gladys No. 1, April 3; Higgins No. 1, April 6; Gladys No. 2, April 8; Heywood No. 1, April 18; Gladys No. 3, April 28; Lone Star and Crescent, May 3; Gladys No. 4, May 8; Heywood No. 2, May 25; McFadden No. 3, May 26; McFadden No. 2, May 27; Heywood No. 3, June 24; Hogg-Swayne, June 26; Higgins, No. 2, June 30; Columbia July 11; National No. 2, July 22; Spindle Top, July 31; Ground Floor, July 31; Gladys No. 5, August 2; Yellow Pine, August 2; Cox-Josey, August 7; Manhattan, August 8; Darragh, August 9; Cattlemen's, August 10.

A Very Strong Company.

"When should oil stocks be bought," is a very important question with any intending investor.

After considering the holdings of the company, quantity and quality, the management and the amount of capitalization, the next important point would be the market price at the company's offices. If you are fully satisfied that all the above mentioned issues are to your liking, buy of any good company just before they begin developing or when they have started work. The price then is naturally within reach of all. If you wait too long, that stock gets beyond your reach and becomes a bargain only for a man of larger capital, who is satisfied with 5 to 8 per cent income on his investment. In all cases it becomes the sacred duty of a prominent oil paper to warn the investor against wildcat concerns and to draw attention to reliable and honest oil companies. Among the latter are many who on the face of it look inviting to the investor, but on closer examination you find that they pay extravagant royalties on leases which precludes declaring dividends, others may apparently be all right on looking at the map, but may nevertheless be somewhat out of range of producers.

We are satisfied that the holdings of the Standard Rock Oil Company are in proven territory and that the management is certainly honest, and therefore sider an investment in this reliable company rather in the light of a good investment than a speculation. Their price of shares at 20 cents is very low and gives the investor a good chance to make big money. In due time the Standard Rock Oil Company will declare dividends and stock will go to par and above. We understand that the company has a deal pending which in a short time will be consummated, and if successful, stock will jump to 50 cents per share and two wells be put down at once. There seems to be no doubt but that the price of oil at the wells in Kern County will go to 45 or 50 cents and considering that the expenses per barrel would not exceed 5 or 6 cents, should leave the producer a handsome profit on all production, and enable him to declare good dividends on his capital stock. Inside of six months the war cry will be, instead of over production, "We can't get enough oil, put down more wells!" A bright future is in store for the California oil industry.

Water in the Desert.

A few months ago a location for a water well was made for the Magnetic Oil Company by Prof. L. J. Kimball, on the northwest quarter of section 13, 5-5, four miles west of Victor.

According to a Times correspondent, at midnight on Sunday the drill was started and Wednesday a good supply of water was struck at a depth of 170 feet, the water rising in the well 16 feet. This is the more remarkable since there was not the slightest surface indication that there was any subterranean stream in that part of the desert. The company intends to proceed at once to bore for oil in the territory. There is evidence of gas in the water hole, and this leads the operators to believe a good body of oil is to be found lower down.

Send $2.50 for one year's subscription to the PACIFIC OIL REPORTER and receive a 24 page pamphlet containing up to-date, accurate, indexed maps of the Kern county oil fields. These maps give the latest data concerning all the companies operating in the Kern River, Sunset, Midway and McKittrick oil districts.

PETROLEUM CONGRESS.

Subjects to Be Discussed in 1902.

The following subjects are to be discussed at the Petroleum Congress to be held in Roumania next year. They present a logical arrangement of subjects which will interest oil men.

1. Questions relating to exploration.

Special character of the petroliferous lands in each region at present under exploitation

Are there any geological, physical, topographical or other indications, from which the existence of petroleum may be inferred before any exploration work by borings and hand wells is undertaken?

Of what importance, from the point of view of the existence of petroleum, is the emission of gases in large quantities in any locality, and in what relations to this should borings be placed

Is there any connection between the composition of the water of the petroliferous strata and the presence of petroleum in the region?

What are the least costly means of exploration at the present time, and are the same systems suitable for any region or any description.

2. Questions relating to exploitation.

The boring stem mostly used at present in different fields. The advantages or drawbacks according to the nature of the ground to be penetrated

Do not the new rapid water flush systems present serious drawbacks as regards the communication of the water in the different strata, the influence on the neighboring wells, and the possibility of passing the petroliferous strata unnoticed owing to the pressure of the water?

Modifications to be introduced in the different appliances in a boring system.

3. Questions relating to the technology of petroleum.

Methods of distillation. Continuous distillation and intermittent distillation Distillation with superheated steam, under reduced pressure, and by the cracking process. Dephlagmators. Condensers.

Method of refining distilled products, especially of benzine, burning oil, vaseline, paraffin and lubricating oils.

Method of discolorizing products of distillation.

Oils for gasification.

Residuals and their utilization as fuel.

Carburettors and injectors.

Perfecting of the application of petroleum products.

Recovery of sulphuric acid from acid goudron, and from the soda employed for neutralizing the acid.

Product of petroleum used as motor power, and for motors, automobiles, etc.

New applications for petroleum products.

4. Questions relating to the analysis of petroleum products and their characteristic properties.

Analysis of benzine, burning oil, paraffin, vaseline and lubricating oils. Unification of methods of analysis.

Determination of the flash point of burning and lubricating oils.

Relations existing between the physical and chemical properties of a burning oil and its photometric power.

Influence of the specific gravity and viscosity on the lubricating quatities of various mineral oils obtained by distillation of petroleum.

Viscometers.

Analytical elements for characterizing a crude oil from the industrial point of view.

Various apparatus employed in the analysis of petroleum products.

5. Questions relating to the composition of petroleum.

Composition of various crude oils from different petroliferous regions. Nature of the hydrocarbons.

Composition of various products obtained by distillation by means of the cracking process.

6. Questions relating to commerce and transport.

Commercial classification of products obtained in the petroleum industry, according to their physical and chemical properties.

Dermination of uniformity concerning prices and measures, which could figure in each country side by side with the usual measures.

Means of transport and storage, pipe lines, reservoirs.

Conditions imposed by railways in different countries on the transport of petroleum products.

7. General questions.

Origin of petroleum. Spontaneous combustion and means of its avoidance. Accidents and police measures to be adopted at the refineries and petroleum wells

Establishment of an International school for the technology of petroleum and its products.

Publication of a special review, which will only present the reports of various original studies underlaken in various parts of the world, and of patents relating to the petroleum industry.

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Leading Companies Now Operating in California.

BONITA OIL CO

Capital ... $100,000

100,000 shares at $1.00

Location 160 acres in Sunset district Kern county

Officers and Directors O B Byrne president Wm E Stevens vice-president F [illegible] secretary and treasurer Samuel [illegible] J F McCarthy, G G Kenny

Office 807 Claus Spreckels building San Francisco Cal

CALISTOGA OIL AND DEVELOPMENT CO

100,000 shares par value $

Operating on [illegible] acres located in Napa, [illegible] Fresno San Benito Monterey and Kern counties Officers L D Hitchcock president R B [illegible] vice-president and manager H F Edwards secretary J M Caselman treasurer Dr H G Thomas and Dr F J Boyes San Francisco National Bank depository Office [illegible] and [illegible] Merchants Exchange San Francisco Cal

COMMONWEALTH OIL COMPANY Capital stock only $100,000 Shares $1 each This company owns 320 acres of oil land in the famous Kern River district 32, 28-28 Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons Everything paid for and not a penny of debt Only a limited amount of stock for sale Robert Mills, president, G. B. Hoagland, M. D., vice-president, R. F. Fullington, superintendent, Chas Conklin, secretary. 667 Market street, San Francisco, Cal.

CYGNET PETROLEUM CO.

Capital ... $150,000

50,000 shares at $3.

Location—Fresno county

Directors—Chas. L. Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.

Office—561 Parrott Building.

Tel.—South 184.

CARIBOU OIL MINING COMPANY.

Capital ... $100,000

100,000 shares at $1.00

130 acres in the Coalinga district, Fresno county.

Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.

Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.

Capital ... $1,000,000

1,000,000 shares at $1.00.

Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.

Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.

Pacific States Mining & Investment Company, fiscal agents.

Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.

Incorporated.

McKittrick district. 16 completed wells; 110 acres proven ground.

Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.

Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.

Capital ... $200,000

200,000 shares at $1,

Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.

Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.

Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.

Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND

Capital ... $250,000

250,000 shares at $1

125,000 shares of treasury stock.

Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.

Officers, B F Arnold, President, Geo A Gray Secretary.

Office, 476 Tenth street, Oakland.

KETTLEMAN HILLS PETROLEUM CO.

Capital ... $200,000.

200,000 shares at $1

Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.

Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Horland, Wm J O'Connor. Depository, Union Trust Co.

San Francisco office—Room 408 Examiner Bldg.

Member of the California Petroleum Miners' Association

LION OIL COMPANY Incorporated under the laws of Arizona Capital $[illegible] Number of shares [illegible] Land [illegible] acres in Sunset Kern and [illegible] districts Directors Dr A S Clark M F Cochrane D S Stanley F F West T M Gardiner J J [illegible] Jr F E Betts officers Dr A S Clark president M F Cochrane first vice president, D S Stanley second vice president F F West secretary T M Gardiner, treasurer Office [illegible] Market street Emma Spreckels building Room [illegible] San Francisco

LINCOLN OIL COMPANY

Capital ... $200,000

Number of shares [illegible] All stock non assessable Incorporated Sept [illegible]

Lands [illegible] acres in Kern River Sunset and Coalinga oil districts Now drilling first well on section 14 28 27 Kern River district Kern county with our own Standard rig.

Officers Irwin D Martin president, J H. Edson secretary and manager

Directors Amos Seaman R T McGinnis, Irwin D Martin M A. Edson, John S Wash, A L. Todd Jennie Ralston

Office Rooms 509-510 Central Bank Building, Oakland Cala

MONTEREY OIL DEVELOPMENT CO

Capital ... $1,000,000

1,000,000 shares at $1 each

Location of lands Coalinga oil fields, Fresno county, 160 acres, Panoche oil fields, San Benito county, 160 acres, Monterey county oil belt 4280 acres

Officers Dr J L Roberts, president, J B S Maltby vice president J F Moore, secretary, D J Boughton treasurer, Bank of Monterey, depository Office at Monterey City, Cal.

OCCIDENTAL OIL CO OF WEST VIRGINIA

Capital stock 600,000 shares ... par value, $1.00.

Officers: Wm Crites, president. F. M Graham, vice president, J. B Batz, treasurer; C E Hallstone, secretary, T L Moran, manager, Kern Valley Bank, Cal Depository

M. R Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA

Capital stock, 600,000 shares ... par value, $1.00

Officers—Wm Crites, president; F M. Graham, vice-president, J. B. Batz, treasurer, C. E. Hallstone, secretary; T. L. Moran, manager, Kern Valley Bank, Cal., depository.

Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY

Capital ... $600,000

600,000 shares par value $1.00 each.

Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district

Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.

Farmers and Merchants Banks, depository.

Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE

Capital ... $500,000

500,000 shares, par value, $1.

Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.

Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.

Brant and Brown, attorneys.

Office: Room 1, 85 S First st., San Jose, Cal.

San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.

Incorporated under the laws of the state of Arizona, October 3, 1900.

Capital stock, 200,000 shares, valued at $1 per share, or $200,000.

Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.

Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.

Depository: First National Bank of San Francisco.

Safe Deposit Vaults, Union Trust company, San Francisco, Cal.

Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.

Capital ... $300,000

Treasury stock ... $150,000

Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.

Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.

Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THE RAVEN OIL COMPANY. Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River. district Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.

San Francisco office—Hon. John R Aitken, Clunie building, 503 California street.

U. S. OIL AND MINING CO.

Capital ... $300,000

Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

WESTERN OIL ASSOCIATION.

Capital ... $1,000,000

1,000,000 shares par value $1 each

Organized under the laws of South Dakota

This is our property—2140 acres Kern county, 131 acres San Diego county, 320 acres Glenn county, 800 acres Tehama county, 4800 acres, San Benito county, 140 acres, Monterey county, 800 acres Fresno county, 400 acres, Humboldt county, [illegible] acres

Officers and Directors—J F Harris, president Irwin D Martin vice-president R K Roberts, secretary Union Trust company treasurer, W B Robinson Springfield Ill Irvin D Martin, Oakland Judge J F Harris, Oakland, R K Roberts, Oakland

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WILD GOOSE OIL COMPANY.

Capital ... $500,000

100,000 shares at $5

Location. 820 acres in Humboldt county.

Officers Claus Kroeger, president, A F Coffin vice president, H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.

Office 127 Pine street, San Francisco, Cal.

Telephone Main 671.

X L N T OIL COMPANY.

Capital stock ... $500,000

500,000 shares, par value, $1 per share.

Location, 320 acres in the Great Coalinga District The land is described as the W½ of section 3 township 19, south, range 14 east, M D B and M.

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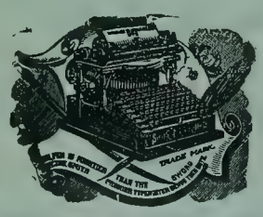

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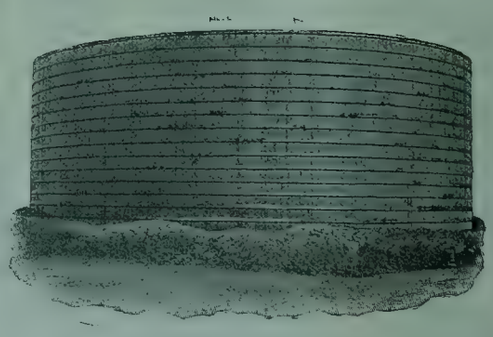

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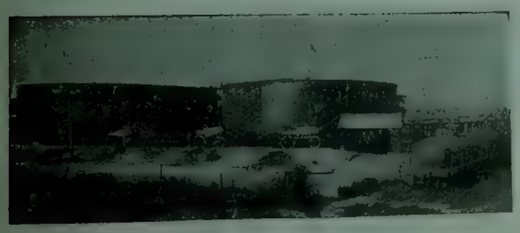

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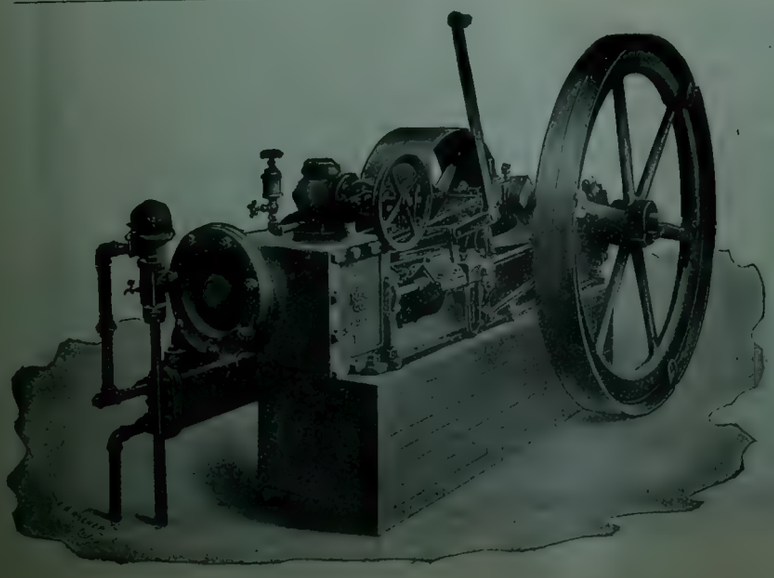

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Why You Should Invest in the Stocks of the

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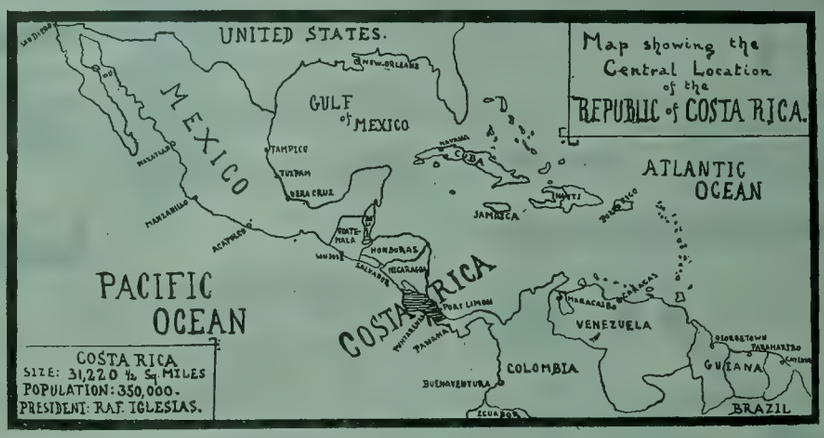

(1) The Company is owner of large tracts of proven coal and oil lands (about 50,000 acres) in the Republic of Costa Rica – to which will be tributary a coal trade now amounting to 25,000,000 dollars per annum – all English and Australian coal—which it will replace with Costa Rica coal of best anthracite and bituminous quality.

(2) The Company has a special concession for 50 years, granted to it by the Costa Rican Government, giving to it virtually a monopoly of the coal and oil trade of Central America.

(3) The Company will be a big dividend payer. English or Welsh coal costs now from $12 to $18 50 U. S. G. per ton in Central America and the West Indies. It costs us only $2 per ton to mine and deliver the coal—we can safely compete at a much lower notice and still make 500 per cent profit.

(4) The Company also has concessions for railways, telegraph and telephone lines, wharves, moles, and harbor-works, is exempt from all taxes, pays no custom duties on import, all of which is very valuable and will permit of the forming of subsidiary companies in which the Costa Rica Petroleum & Coal Company will be interested.

(5) The Concession includes a grant of 400 meters in every nautical mile on both the Atlantic and Pacific Coast of Costa Rica which it may need for its business, not otherwise occupied. This means new ports, townsites and wonderful development—opportunities—all of immense profit value to the Company.

(6) The Company owns its land outright and original deeds can be seen at the office of the Fiscal Agents at 326 Post St., San Francisco, certified to by the President of the Supreme Court, the Minister of Justice, the Minister of Foreign Relations and the American Consul in San Jose de Costa Rica. This land is best tropical agricultural land and contains thousands of wild rubber trees, valuable woods and other natural treasures. The Company may work it itself or lease it to others for plantation purposes.

(7) The management is in excellent hands, comprising prominent business men and bankers of America and Europe.

(8) The stock is now only 25 cents per share, but will soon advance to 50 cents or more. $5 per share is a possibility before long. Only a limited number of shares still to be sold.

The Concession of the Costa Rica Petroleum & Coal Company was published in the "Gaceta," the government organ of Costa Rica in the issue of July 24, 1901. The "Gaceta" can be seen in every Costa Rican Consulate throughout the world. The San Francisco Consulate of Costa Rica has received instructions from His Excellency, Dr. J. B. Calvo, Minister from Costa Rica at Washington, to give all official support to interests of the Costa Rica Petroleum & Coal Company.

See reports of CARLOS IGLESIAS, M. E., (brother of President Iglesias of Costa Rica.)
DR. E. HENRICI, the eminent German Geologist.

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FISCAL AGENTS

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VOLUME 2 NUMBER 44

PACIFIC OIL REPORTER

SAN FRANCISCO CAL., FRIDAY, SEPTEMBER 6, 1901

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Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it Why invest in a fake company making false promises o immense dividends on lands which will not produce a bar rel? Ours is absolutely proven; failure impossible!

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50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near famous Home Oil Company and 160 acres adjoining an oil well in Napa Valley.

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Latest Kern County Maps Free

The PACIFIC OIL REPORTER has received from the publishers, Hall, Barlow & Austin, a large consignment of up-to-date, accurate, indexed maps of Kern County, Cal.

These maps show the location and holdings, wells, etc., of every company operating in the following districts:

Kern River Oil District

Sunset Oil District

Midway Oil District

McKittrick Oil District

These maps are published in pamphlet form and are properly indexed so that any one can find at a glance the location of any company desired.

We have purchased a large quantity of these maps and will present them free of charge to those who pay $2.50 in advance for one year's subscription to the PACIFIC OIL REPORTER.

The regular price of these maps is 50 cents each. They cost nothing to the subscribers of the PACIFIC OIL REPORTER.

Send money by Postoffice order, Wells-Fargo Express order, or stamps, to

PACIFIC OIL REPORTER

318 PINE STREET, SAN FRANCISCO

PACIFIC OIL REPORTER

VOL. 2. NO. 44. SAN FRANCISCO, CAL., FRIDAY, SEPTEMBER 6, 1901. PRICE, TEN CENTS

ANTICLINAL THEORY.

Ex-State Mineralogist Gives Views in a Report.

The Rancho Punta La Laguna property is in Santa Barbara County about seven miles distant from the Pacific ocean, and the Southern Pacific Railroad cuts through the western part of the same, consequently advantage can be taken of competition between railroad and water transportation, the latter being usually cheaper than transportation by railroad.

Passing through this property is a clearly defined anticline. The strike of this anticline is nearly east and west.

In California, as well as elsewhere, anticlinal structure exerts a great influence on the accumulation of petroleum oil; especially is this true where the formation lies below the line of permanent water. The petroleum oil being buoyant on water, its inclination is to ascend through porous strata, toward the axis of the anticline. The porous strata act as conduits to convey the petroleum oil towards the axis and apex of the anticline. This anticline has been named the Mount Pinal anticline.

In the railroad cut, near the apex of this anticline, are a number of small fissures in the shale, which are filled with viscous bitumen—the residue of petroleum oil after the evaporation of its volatile parts. It is to be expected that at a reasonable depth that the bitumen in these fissures will be liquid enough to flow into a drilled well for the reason that the further the bitumens are removed from atmospheric influences, the more liquid they become. Judging by analogy of what has been the experience in other oil fields, and the fact that the strata of the coast range of mountains of California consists of alternating beds of sandstone and shale it is fair to assume that at some depth beneath the surface sandstone will be encountered. There are no out crops of an underlying sandstone in the neighborhood of this property from which this depth can be approximated or ascertained. There are, in a radius of five miles of the place selected for a well, a number of other indications of the presence of petroleum—for instance, mineral waters. In California, mineral water always accompanies the bitumens, consequently mineral springs are, to a certain degree, indicative of the presence of petroleum oil. There are large areas of shale, which contain a slight amount of bitumen. Leached white shales are prominent and cover a large area. From geological facts observed in California and from similar geological conditions existing on this property liquid bitumens should be obtained in this property.

A. S. COOPER, M. E.

Steel Barges for Oil.

New Orleans will shortly enjoy a branch of business heretofore unknown to her—that of building steel barges for the handling of oil between Beaumont and Sabine Pass and from Beaumont to New Orleans.

A representative of two of the largest oil companies in Beaumont went to New Orleans several days ago, and called upon the Johnson Iron Works people and asked them to submit bids for the building of three steel barges of 3,500 barrel capacity and not to draw over six feet of water, to be used in transporting oil between Beaumont and New Orleans.

After several days' figuring the Johnson Iron Works Company sent to the oil people drawings of the barges they desire, and estimated on a number of other kinds of boats. The oil people asked the foundrymen to figure on what the cost of operating these 3500-barrel capacity barges would be as compared with the cost of pumping oil from Beaumont to Sabine Pass and New Orleans. After considering all cost incidental to loading the oil in the barges and the cost of labor, fuel on the tugs, cost of crews and even the feeding of the crews, the Johnson Iron Works Company figured it out that oil could be delivered from Beaumont to Sabine Pass for one-half cent a barrel, and that the oil could be delivered here, all cost included at one cent and a half a barrel.

The barges which the Beaumont people will most likely use will be a steel barge perfectly plain, which will hold 3500 barrels of oil. The barges will be 130 feet long, and will have a breadth of beam of 30 feet. They will, when loaded, draw only five and a half or six feet of water. They will be easily handled by a tug of limited power and of very light draught.

It is claimed that in one cargo of oil by the use of the barges $322.50 will be saved. These figures are based upon the idea that a shipment of 3500 barrels of oil from Beaumont to Sabine Pass would cost $17.50. Thirty-five hundred barrels of oil pumped through the pipe line would cost, at 10 cents a a barrel, $350. The difference would be $332.50.

The three barges will be used as an experiment, and if they prove what is expected of them as oil boats between Beaumont and Sabine Pass, a large fleet of them will be built and put in operation between New Orleans and Beaumont.

If the saving will be so great between Sabine Pass and Beaumont, which is only some fifty odd miles, the still greater saving on the transportation of oil by barges over that through the pipe lines from Beaumont to New Orleans can be imagined. The plans and estimates were sent to Beaumont a day or so ago, and just as soon as they are approved by the heads of the concerns who requested them work will begin on the barges.

Law for Oil Men.

A deputy surveyor, surveying a mining claim for patent, must keep within the boundaries established by the location monuments. He is not permitted to extend the lines and establish corners outside of the location corners even if there is no conflicting claim to the additional land so included.

A mining location properly made as to posting of notice and marking of boundaries, but void by reason of no discovery of valuable mineral having been made, is made a valid discovery by a subsequent discovery of the valuable mineral, provided no rights of third parties have intervened. Another locator by making the discovery would be a third party whose right intervened.

The sectional or public land survey plats of townships and sections give very little reliable information about the topography of the land purported to be surveyed. Much of the surveying was done by sketching the country as it appears from some high elevation in the vicinity. The topographical survey maps made by the U. S. Geologic Survey do give the topography with a high degree of accuracy. The 500-foot contours are run out in the field and the intermediates of 100 feet are interpolated. Where the topography is flatter, the 100-foot contours are sometimes surveyed out in the field and 25-foot contours between interpolated. The plats satisfy the engineering requirements of accuracy for preliminary projections of roads and ditches. They can be bought from the director of the U. S. Geological Survey at Washington, D. C., for 5 cents a sheet. The exact sum should be remitted by postal order.

Scene in the Kern River Oil Fields.

The Stockton "Independent" says: The indications are now that Stockton will have an oil refinery. H. H. Griffiths, manager of the Tesla Coal company, is authority for the statement that construction will be commenced within two weeks. He is not at liberty to state who are interested in the proposition, but he asserts positively that the refinery will be built at a cost of about $100,000.

PRODUCERS' OIL EXCHANGE.

The Annual Election of Officers to Be Held Next Tuesday.

In oil circles much interest is being manifested in the approaching yearly election of officers for the Producers' Oil Exchange.

The Producers' Oil Exchange has been in existence for two years, and the honesty and ability of its management during its existence thus far have not been questioned.

When the exchange was first suggested it was considered that its success would largely depend on the officers elected. On this account Mr. George W. Terrill, at that time President of the Home Oil Company, was elected President, for the reason that the Home Oil Company stood in the first ranks of the successful producing oil companies of the State, and also for the reason that Mr. Terrill was a gentleman whose honesty, integrity and strict fidelity to legitimate enterprises could not be questioned.

Mr. Terrill has been President of the Oil Exchange for two years and there is no doubt but that the success of the Oil Exchange has been largely due to the fact that the absolute fairness of its government could not be questioned.

Mr. Terrill having been President of the Oil Exchange for a long period naturally felt that the responsibility of its presidency should be taken from his shoulders and given to another. In response to the solicitations of a large number of the principal brokers connected with the exchange Mr. Terrill consented to allow his name to be used again as a candidate for the presidency.

Colonel William Edwards, the successful stock broker, and prominent among the members of the Masonic fraternity, was also put forward by his many friends. Colonel Edwards' reputation cannot be assailed in any way, and the members of the Producers' Oil Exchange will make no mistake in re-electing Mr. Terrill to the presidency or in seating in his place such a well-known broker as Colonel Edwards.

For the vice presidency of the exchange there are two candidates in the field, one being Mr. Charles Sonntag and the other Wilfred Page, both of whom are well known as two of the most successful operators on the board.

For Treasurer Mr. Sylvain Saloman is the only nominee.

For Secretary Mr. R. W. Heath has no opposiiion.

Joseph L. King will be re-elected Chairman of the exchange.

The nominations were made last Saturday and the election will be held next Tuesday afternoon at 3:30 o'clock.

OIL ON TORPEDO BOATS.

Liquid Fuel in the British Marine Service.

The Petroleum Review has always emphasized the point that nothing but financial considerations stood in the way of the adoption of oil, not only on the British railways or for marine use, but also in many industries where steam is largely employed. Since, however, the recent discoveries in Texas have been made, this aspect of the liquid fuel question has entirely altered, so far as Great Britain is concerned. Large supplies are now available at a price which will make it a very active competitor with the solid form of carboniferous fuel.

One of the most advantageous aspects of the liquid fuel question is, that methods and appliances have been introduced by those who have been able to make use of it decades before it happened to become a commercial possibility in this country, and the majority of burners which are used for liquid fuel, both on stationary and other engines, are either on the principle of the well known Holden burner, or are Holden's burner itself, and Messrs Taite & Carlton, who have been associated with the development of liquid fuel burning for some time, are now introducing an improved form of this burner, which is provided with a supplementary feed, enabling an increased amount of liquid fuel to be injected without any further expenditure of steam for atomizing and spraying. Only recently experiments were made with this burner in use for running torpedo boats of the British and other navies, the results of which proved highly satisfactory.

On the trial made with the "Pangrang," one of three torpedo boats recently built by Messrs. Yarrow & company, of Poplar, to the order of the Dutch government, only coal was burnt on one run. The air pressure for draught in the furnace was 1 inch on the water guage; the engine stop-valve was kept full open. The following were the observed results: The boiler pressure was 150 lb. to the square inch; the pressure in the first receiver was 54 lb. and in the second receiver 5.5 lb.; the vacuum was 23½ in.; and the revolutions 340 per minute. The speed was 24½ knots. The oil fuel was then started, and as much oil was burnt as was possible without making smoke. The coal burnt was at the same rate as before. The results were then as follows: Boiler pressure, 180 lb. per square inch; first receiver pressure 64 lb., and second receiver pressure 9 lb. The vacuum was 23½ in.; and the revolutions 365 per minute. The resultant speed was 27½ knots.

Thus, by turning on the oil feed the speed was increased by just two knots. Moreover, this increase was obtained almost instantaneously, or, at any rate, within a few seconds of the oil being turned on. Borneo oil was used, and the supply for the two boilers was at the rate of 700 lb. per hour. The coal burnt per hour was at the rate of 2,800 lb., both when coal alone was used, and when it was burnt in combination with oil. The oil tank, fitted, holds a supply sufficient for a run of an hour-and-a-half under the above conditions of working; as will be seen, it is placed on deck, so that if it should be pierced by shot and the oil should escape, it would simply run into the sea,

A feature that would even prove of considerable importance in actual warfare, says an authoritive contemporary, would be the fact that the boilers could be worked at very high rates of evaporation although the fires were in a dirty condition. A torpedo vessel would probably often have to operate at some little distance from its base, thus necessitating a comparatively long run made at moderately high speed before the final spurt, preceding the discharge of a torpedo, were made. The result would be that grates would be clogged, and it might even be advisable to lay off and clean fires before proceeding to action. Such an operation, with the letting down of steam and the creation of smoke, would do very much to endanger the success of the attack; and yet high speed is one of the first essentials to surprise, which in turn is a very necessary element of approved torpedo-boat practice. With the oil fuel, high speed can be maintained with dirty fires, as well as with inferior coal.

A petition has been circulated among the oil men for a road from Oil City to meet the Baker street road at or near the middle of Kern river on the line between sections 9 and 10, 29-18. The oil men, most of whom are heavy tax-payers, are very anxious to get this road through, as it will prove quite a convenience for them by shortening the drive from the oil fields to town.

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THE HOME OIL COMPANY.

How It Compromised Its Contract with the Hearst Estate.

There is no doubt but that the present high price of oil stock is due largely to the fact that general confidence in California oil stocks has been increased and strengthened on account of the condition of the Home Oil Company, which is one of the largest producers in the state.

Some months ago the Hearst Estate, which had agreed to purchase the entire product of the Home Oil Company at a flat rate of 80 cents per barrel, repudiated its contract and threatened to sue the company for something like $12,000 on account of a tank which it had erected to hold the Company's oil in the Coalinga district.

The Home Oil Company sought the best legal talent, and found it had grounds for believing that the highest courts of the state would hold that the contract between the Home Oil Company and the Hearst Estate was good and valid.

As the Home Oil Company through its president, Mr. Richard Ellis, put up a bold front, Mr. Edward H. Clark, who practically directed the oil affairs of the Hearst Estate, came to the conclusion it was best to compromise matters.

First. The Hearst Estate agreed to pay the Home Oil Company $70,000 in cash, on account of losses of moneys, etc., entailed by the repudiation of its contract.

Second. It agreed to pay the Home Oil Company $60,000 in sums of $5,000 a month, commencing on January 1, 1902. These payments to be continued for one year.

Third. The Home Oil Company agreed to pay the Hearst Estate $11,900, which was the sum demanded by the estate for the tanks erected by it for the storage of the Home Oil Company's products.

Fourth. The Hearst Estate agreed to take from the Home Oil Company 6000 barrels of oil each month at the rate of 80 cents a barrel. This last contract to continue for a certain number of months, after which the Hearst Estate agreed to take 3000 barrels a month from the Home Oil Company for two years from July 1, 1901, at the rate of 60 cents a barrel.

The Carreaga Well.

No. 3 of the Western Union Oil company on Carreaga ranch, in the north end of Santa Barbara county, began flowing at the rate of fifteen barrels a day a few days ago.

The well is 1600 feet deep. It was reported that the oil had reached a point 300 feet from the surface. Since then it overflowed, and work on a large tank to receive the oil was begun, and a complete outfit of pumping machinery ordered. The oil is of light gravity, experts stating that it is capable of refinement. Thomas Hughes, manager of the company, says that the well will produce 250 barrels of oil a day. It is the first well in the Santa Maria district that has produced oil in paying quantities.

The second well of the company about a mile distant has pumped a few barrels of oil, but the production is limited to oil rising in the casing, and the well is being bored to a greater depth. Well No. 1, when it had reached a depth of 2100 feet several weeks ago, was destroyed by an earthquake. The casing was so badly twisted that it could not be raised and the well was abandoned. Recently gas began gushing from the well.

Already the owners of property in the Santa Maria district are preparing to sink other wells. Work on the Captain Lawrence Harris ranch will begin in two weeks. On the Underhill and Elizalde ranches drillers are at work day and night.

Making Asphalt in Summerland.

Among those companies dealing with asphalt is the California Liquid Asphalt company, of which, however, paving material is only a part of their production. Their plant is situated in the county of Santa Barbara, where is also the office and laboratory of the superintendent, W. M. Bramhall. The plant has a capacity of nineteen to twenty-five tons a day, varying according to the product. Oil from the Summerland field is used of gravities varying from nine and one-half degrees to sixteen degrees, Beaume. The amount of the finished product varies with the grade and thus depends upon the purpose to which the asphalt will be applied. This oil asphalt is used for paving and roofing, pipe coating and dip, waterproof lining, pile coating, wood and metal coating (against insects and rust) paints and printer's ink.

The process is conducted in two semi-cylindrical open kettles, having a capacity of ten to fifteen barrels each, charged by gravity from two oil tanks situated at the back and heated by oil burners up to 600 degrees Fahrenheit and when the grade desired has been reached, and determined by the resident chemist, the asphalt is drawn off while hot into oaken barrels, ready for shipment.

The object of conducting the process in open kettles is to obtain an asphalt which shall be equal in toughness and durability to that found in natural asphalt occurring as bituminous rock, sand, etc., as it has been found that the residue from closed stills, as a by-product of distillation, is unfitted for these purposes and has, in fact, been condemned by various paving contractors throughout the United States.

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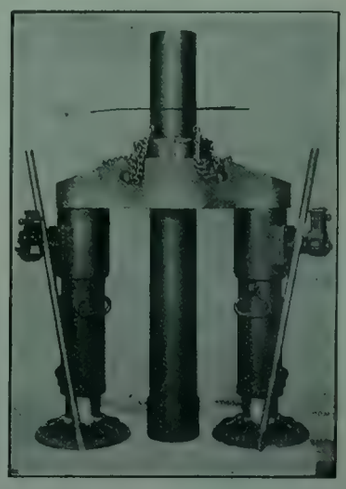

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, SEPTEMBER 6, 1901.

THE PACIFIC OIL REPORTER IS THE OLDEST OIL PAPER ON THE PACIFIC COAST, AND ITS HISTORY BEGINS WITH THE OIL INDUSTRY, WHICH HAS PROVED SUCH A FACTOR IN THE PROSPERITY OF THIS STATE. IT HAS RESPONSIBLE AGENTS AND REPRESENTATIVES IN EVERY OIL DISTRICT, AND ITS OIL NEWS IS ALWAYS FULL, FRESH AND RELIABLE. IT IS CONTROLLED BY NO ORGANIZATION, CORPORATION OR OIL STOCK BROKER. IT HAS ITS OWN PRINTING PLANT AND ITS JOB PRINTING FACILITIES ARE UNEXCELLED. THE PACIFIC OIL REPORTER CIRCULATES ALL OVER THE UNITED STATES WHEREVER INTEREST IS TAKEN IN THE CALIFORNIA OIL INDUSTRY. IT ALSO GOES TO ENGLAND, FRANCE AND GERMANY. AMONG OIL MEN IT IS THE RECOGNIZED OIL AUTHORITY OF CALIFORNIA, AND AS SUCH ITS CIRCULATION IS NOT ONLY ALREADY VERY LARGE BUT IS KEEPING PACE WITH THE GROWTH OF THE OIL INDUSTRY. IT IS THE ONLY PAPER PUBLISHED IN AMERICA WHICH PAYS ANY ATTENTION TO THE TECHNICAL FEATURES OF THE OIL INDUSTRY, AND IT SPARES NO EXPENSE TO OBTAIN DESIRED INFORMATION OR NECESSARY ILLUSTRATIONS.

Oil Candidate for Governor.

It is said that Tom Flint, Jr. is receiving strong assurances of support from some of the best known oil men who desire to have some one in the gubernatorial chair who is friendly to their industry.

Mr. Flint has made a record in both branches of the legislature of which any man may be proud, and as President pro tem. of the Senate has proved himself able, just and quick. He is a shrewd politician of the quiet yet persistent order, has the ability of holding as well as making friends of all classes, is one of the largest farmers and orchardists in the state, and is also largely interested in numerous oil enterprises in Central and Southern California. He is affable, courteous and easy of approach. His backers and lieutenants are some of the best known Republicans in the state. He will make no mistakes in his contest for the nomination, if nominated will be elected, and when elected will make a governor who will fill the position creditably to the commonwealth.

The Railroad Commissioners.

To a disinterested person it would seem impossible that the Railroad Commissioners could do otherwise than lower the freight rate on oil from Bakersfield to San Francisco.

Attorney Frank H. Short has made a showing which ought to convince anyone of fair mind that the present rate of nearly 50 cents, including switching charges, is entirely too high it the freight charges of other roads, the charges by the Southern Pacific in other sections, the smallness of the grade and the extent of the traffic be considered.

Mr. Short, in his arguments, marshalled his facts in a masterly manner, and in cogent reasoning, in wit, in ability to present facts in plainest light, proved himself the equal of the best legal lights of the railroad company.

The matter is now in the hands of the commissioners. Under the circumstances it is impossible to conceive how they can do otherwise than compel the railroad to reduce its freight charges on oil very materially.

The commissioners are elected by the people, their office being largely to protect them from any possible extortions of the railroad companies.

In recent years no question has been brought to the attention of the commissioners more important than that of the existing comparative extortionate rate on oil.

No one desires to compel the railroad or any other company to charge less than a fair rate for its goods or services. In this instance, however, the railroad has been proved to be charging excessively high rates on oil, to be charging more than it charges for transporting other commodities, and more than other roads charge which operate over steep grades.

Facts are facts, and in the face of such facts as these, in the face too of the fact that one of the most important industries of the state is being injured by the railroad's greed, it is impossible to believe the commissioners could take action other than to compel the railroad company to treat the oil industry with the fairness that its extent and importance deserve.

The Strike Practically Over.

In California as in the East the strike is practically over. Of course if one were to believe the statements of such blatant labor agitators as Michael Casey the strike is not over. But as their utterances are known to be false they have little weight with the general public, and even the strikers themselves have come to distrust them, are rapidly deserting the ranks, and are seeking reinstatement from their former employers.

Business is resuming its normal condition. Vessels are being loaded; freight is being transported; the shops and factories are beginning to turn out their normal amount of work, and the pay rolls are fast being made up to their former length.

* * *

The strikers are fast returning to work. If they do not return very speedily they realize their places will be filled and that there will be no vacancies left for them to fill.

Men are rapidly coming in from the country and from other cities. Some are skilled, and some not; a short experience has demonstrated that some of the unskilled soon become experienced workmen and prove more satisfactory than some who had struck.

The men from abroad are rapidly filling the places of the strikers, and the latter are fast leaving the city to take the places of the men who have come hither. Fruit-pickers are becoming teamsters and stevedores, and the latter are perspiring in the orchards and vineyards.

* * *

It will soon be demonstrated that an employer of labor can hire whom he pleases, and that a competent workmen can obtain a position without being obliged to join a union, or pay for the luxurious support of a lot of labor agitators.

* * *

In no city of the United States is labor better paid than in San Francisco. No city has cosier homes for the industrious, competent, sober workingman. The present strike was needless. The strikers have demanded neither higher wages or shorter hours. It was simply a question whether or no the union leaders should dictate to employers how to conduct their business. If these agitators had won out the business men and capitalists might just as well stop business. It was a question of fight or leave town. The employers fought, have practically won the fight, and business is resuming its normal condition.

* * *

The strike would have ceased long ago had it not been for the position of some of the newspapers. Men who will soon be in very straightened circumstances, and whose families will suffer this winter, will curse the Examiner, and will call themselves fools for believing its promises and listening to its encouragements. It would not be surprising if the stones now being hurled at non-union men would be turned by the despairing strikers on the buildings whence have emanated the many lies which have encouraged men to persevere in a course that could lead to nothing but ruin and misery.

The date to which subscribers have paid is printed on the wrapper of each paper. As the Western Oil News has been absorbed by the PACIFIC OIL REPORTER the subscribers to the former are requested to examine the date marked on the wrapper and report any mistake.

Information Wanted.

This office is in receipt of a number of letters asking about the Kern Valley Oil Company. "Are they fakes?" "Have we been robbed of our money?" "Are the men at the head of the company responsible?" "Why has not the company done the development work it promised to do?" These are only a few of the questions asked.

Will the company please come to the front and make a business-like statement of the condition of its affairs, and of its purposes.

We have a like series of questions asked concerning the Santa Paula Gravity Oil Company of which Ritter & Fuller were the promoters. Will these gentlemen please come to the front and tell investors what they can expect?

Stock in a mining or oil corporation that is non-assessable is not any more desirable as an investment from that fact. The non-assessable provision is paid for by the owner and generally at a high rate. If the property turns out well, the promoters who insured the non-assessable feature get the lion's share of the mine profit as pay for that insurance. If it is a failure, it is just as much a dead loss as if it were assessable, and if, as it usually happens, it requires more capital than the promoters estimated, there is no means of providing it from the existing stock ownership.

Send $2.50 for one year's subscription to the PACIFIC OIL REPORTER and receive a 24 page pamphlet containing up-to-date, accurate, indexed maps of the Kern county oil fields. These maps give the latest data concerning all the companies operating in the Kern River, Sunset, Midway and McKittrick oil districts.

Petroleum Leases.

In a recent case the United States courts have given judicial construction of the ordinary lease of petroleum lands, defined the rights granted, the right of forfeiture and effect of penalty for non performance of condition.

By a decision in West Virginia which has established a rule of property, says the Oil Review, it is settled that an oil and gas lease in which the sole compensation to the lessor is a share of the product is not a grant of property in the oil or in the land until oil is actually produced, but merely of the right of possession for the purpose of exploration and development; and there is always an implied, if not an expressed, covenant for diligent search and operation.

A different rule of construction obtains as to oil and gas leases from that applied to ordinary leases or to other mining leases, and owing to the peculiar nature of the mineral, and danger of loss to the owner from drainage by surrounding wells, such leases are construed most strongly in favor of the lessor.

Where an oil or gas lease by which the lessor is to be compensated solely by a share of the products contains a proviso requiring the lessee to commence and complete a well on the property within a specified time, such proviso and the time of its performance are of the essence of the contract, and it constitutes a condition precedent to the vesting of any estate in the lessee, without regard to the grammatical construction of the instrument. When the lessee makes no attempt to comply with such provision, and evidences no intention to do so, at the expiration of the time stipulated the lease becomes forfeitable, at the option of the lessor, although by its terms it is for a definite term of years; and being in possession, the exercise of such option is sufficiently evidenced by the lessor's execution of a new lease to another party.

A provision in an oil and gas lease, by the terms of which the lessor is to be compensated solely by a share of the product, that, in case of the failure of the lessee to comply with a condition requiring him to complete a well on the property within a stipulated time, he shall pay a forfeiture of $50, must be construed as providing a penalty intended to secure the performance of such condition, and not as an alternative condition; and where the lessee makes no attempt to fulfill the condition, and has no intention of doing so, he can not, by a tender of the penalty, retain the lease in force until the expiration of its term, and thus secure an option on the property for speculative purposes. When, by his failure to comply with the condition, further performance of the contract becomes optional on his part, it is also optional on the part of the lessor.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, September 4.

BEAR FLAG.

1000 at	09	90 00

BAY CITY.

100 at	35	35 00

CENTRAL POINT.

150 at	1 50	225 00

CALIFORNIA STANDARD.

500 at	24	120 00
800 at	23	184 00

FOUR OIL.

3000 at	40	1200 00
150 at	39	58 50

GIANT.

500 at	30	150 00

HOME OIL.

670 at	3 65	2445 00
300 at	3 60	1080 00
100(B30)at	3 65	365 00
100(Cash)at	3 65	365 00
450 at	3 80	2010 00
200(Cash)at	3 75	750 00
190 at	3 75	1012 50
300(B60)at	3 80	1140 00

HANFORD.

1 at	115 00	115 00
19 at	118 00	1062 00
6 at	119 00	714 00

INDEPENDENCE

450 at	12	54 00
1300 at	11	143 00

JUNCTION.

3200 at	28	256 00
200 at	31	62 00
2100 at	27	567 00
200 at	30	60 00
1950 at	25	487 50
1500 at	24	360 00

KERN.

120 at	6 00	720 00

LION.

800(Cash) at	12	96 00
500(Cash) at	11	55 00
1400 at	11	154 00

MONARCH OF ARIZONA.

600 at	28	168 00
200 at	30	60 00
100 at	27	27 00
100 at	26	26 00
100 at	25	25 00
200(B90)at	28	56 00
300 at	32	96 00
100 at	29	29 00

MONTE CRISTO.

100 at	2 00	200 00
200 at	1 90	380 00

McKITTRICK.

250 at	26	65 00

OIL CITY PETROLEUM.

500 at	29	145 00
300 at	30	90 00
1700 at	28	476 00

OCCIDENTAL.

200 at	49	98 00
200 at	48	96 00
150 at	50	75 00
100 at	46	46 00
100 at	47	47 00

PEERLESS.

185 at	5 25	971 25
290 at	5 00	1450 00
500 (Cash)	5 00	2500 00
700(B90)at	5 25	3675 00

PETROLEUM CENTER.

47400 at	03	1422 00
1000(B90)at	03	30 00
1500 at	04	60 00
8700 at	02	174 00
100 at	01	1 00
100 (S90) at	01	1 00

REED CRUDE.

1000 at	36	360 00
1400 at	35	490 00
200 at	34	68 00

SAN JOAQUIN.

250 at	8 50	2125 00
1400 at	8 62½	1207 50
200 at	8 75	1750 00
1000 at	8 87½	887 50

STERLING.

700 at	1 35	945 00
200 at	1 37½	275 00
350 at	1 40	490 00
100(B60)at	1 45	145 00
200(B60)at	1 47½	350 00
100(Cash)at	1 40	140 00
400 at	1 45	680 00
1200 at	1 40	1680 00
12 at	1 50	18 00

S. F. & McKITTRICK.

100 at	1 50	150 00

SOVEREIGN.

350 at	32	112 00
200 at	31	62 00

TWENTY-EIGHT

400 (B60)at	1 90	760 00
50(B30)at	1 90	95 00
100 at	1 90	190 00
200(B30)at	1 85	360 00
150 at	1 80	270 00
50 at	1 75	87 50
400 at	1 85	720 00

TOLTEC.

87½ at	45	39 35

WEST SHORE.

200 at	3 25	650 00
50 at	3 10	155 00

Shares 100,879½ Amount $43,562.10

Los Angeles Stocks.

The closing week of August was one of the best that the Los Angeles Stock Exchange has seen during the present summer. This fact might not be apparent from the daily report of that institution but these for the past few days have not shown in detail the sales made owing to a mistake in policy that was adopted by the exchange in reference to reporting sales. This matter has been remedied however, and hereafter sales will be reported daily as they were originally.

Taking the list of stocks as a whole prices appear firmer to a slight degree. Globe now has an advantage of from one to three points over recent figures. Columbia continues to bring out better bids than usual. Central has made another slight advance. Fullerton oil may also be counted in the advance column, likewise Uncle Sam, Southern Consolidated and one or two other securities. The stocks which have shown a decline are Reed Crude and Westlake, the latter because of the 2 cents assessment that has just been levied and the former on account of the cessation of the active demand of a week ago. Altogether the situation gives promise of better results than have been obtained for several months past.

The Stock Exchange is now looking for a new location where it can resume business on the ground floor. Owing to the expiration of its lease last June the Exchange was compelled to give up its headquarters and find a temporary abiding place wherever it could. Since then the regular daily sessions have been held in the Tajo building which will now be abandoned as soon as a suitable place can be found on the street.

The Inter Nos Strike.

The strike of the Inter Nos Oil company on section 9, 32-23, has proven itself to be fully up to the expectations of the company. On the day the strike was made the sand line parted 200 feet from the tools and several days were spent fishing it out. It was successfully removed, but owing to the apparent weakness of the cable, the driller deemed it wise to obtain a second cable before he would undertake the cleaning out of the well. After the obtaining of the new cable he again commenced operations and was so eminently successful that at the date of the last writing, September 2nd, he was in fifty feet of oil sand, and still continuing downward with no telling how deep the sand is at this point. The well, which is 841 feet deep, is finished with a nine and five-eighths-inch casing, and according to his report will be the very largest well in the district. Even at the present depth of the sand he writes that owing to the large casing the well should go more than 150 barrels. If he continues for equally as great a depth he states that the capacity will double, if not go better. The company proposes at the next meeting to double the price of the stock, or to withdraw same from the market. The funds which are received from the sale of the oil are to be utilized to develop the remaining acreage, which consists of 450 acres.

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WANTED.
A good second-hand Standard Rig. Address:
FLASHLIGHT OIL CO.,
23 Columbian Bldg., S. F.

DIVIDENDS

Dividend No. 1 has been authorized to be declared Nov. 15th, payable to the stockholders of the Ventura Consolidated Crude Oil Company. This company has made surprising progress in the past four months. It now has three producing wells and work progressing on No. 4. With 2720 acres of oil land and a rich gold mine in Arizona there can be no doubt of the present investment value of this stock. Limited amount of treasury stock now offered at 15 cents per share, par value, $1.00.—Full paid—Non-assessable. Agents wanted in every town. Address all orders for stock or further particulars to

W. G. YOUNG & CO.,
Fiscal Agents.
628-30 Laughlin Bldg., Los Angeles, Cal.

DISTILLATES.

Notes for Field Mechanics and Practical Oil Men.

Steel is so homogeneous in its structure that internal flaws are exceedingly uncommon. This is not the case with wrought iron, which is liable in any piece to contain a hidden flaw.

The tempering of drilling steel for any particular rock is practically a matter of cut and try—that is, keep trying different tempers until the temper is found at which the drills stand best. The hardness in the mineral scale is not by itself a sufficient guide. The cut of the drill is made by impact where the hardness in the mineral scale of hardness is determined by the effect of applying pressure. Very hard minerals are frequently very brittle and break up under impact, while some soft minerals are tough and resistant under impact.

There is no difference in economy of use between corresponding grades of American and English drill steel. The differences between drill steels are frequently due to nothing but the conservatism of the blacksmith, who only knows one brand of steel to be good—all others are bad. The real difference between two drill steels can be measured by use. The same drillers in the same formation should have records kept of the number of inches drilled, and of the number of drills sent to the shop. From these two records the average number of inches drilled by each drill of the lots compared can be determined. The steel that averages the greater number of inches drilled per piece is the best.

The current accepted idea regarding the frictional resistance to flow of water through bends or turns in pipe is that the frictional resistance and consequent loss of head increased rapidly with the shortening of the radius of the turn. The text-books have recommended that where it was desirable to avoid loss of pressure and flow, the bends should be made with a radius not less than five times the radius of the pipe. The correctness of the idea and the soundness of the advice are now questioned by some American engineers, who advance almost precisely the opposite, claiming that their carefully carried out experiments show that curves of short radius show less frictional resistance to flow than curves of longer radius.

The degree of heat attained by drilling steel in forging before tempering may or may not affect the tempering. The forging heat, if it is much higher than the temperature at which tempering begins, may, if it be reduced to the latter too rapidly, set up excessive strains in the metal, giving it a tendency to check and crack. Also, the temperature may under such conditions be started too soon. The appearance of the surface of the metal to the eye is misleading. The surface, cooling much more rapidly than the interior conduction of heat from the latter to the former during the tempering, may affect it. After all, it is not so much the matter of heat as it is in the matter of controlling it and knowing how it is acting that affects the tempering.

Standard's Offers.

The Standard has at last openly announced its readiness to purchase large quantities of oil produced in the local field, though it is not probable that its hopes of filling the large storage tanks near Oil City will be realized unless the price which the company has decided to pay per barrel is increased to a figure which will tempt companies storing their product to dispose of it.

A well-known company having valuable holdings in the Kern River field, with three good wells sunk thereon, made overtures to the Standard several weeks ago in order to ascertain the attitude of the syndicate toward the producers. At that time, however, the manager of the local company was informed that the Standard was not in a condition to handle its product, but further stated that as soon as its tanks and pipe lines were completed it would again open negotiations and would make a good substantial offer for the oil of the field.

Yesterday the local company received a letter from the coast representative of the syndicate, which said: "The Standard is now prepared to handle quantities of oil for which it will pay 15 cents per barrel on contract of three years, and is willing to take any amount from 5,000 to 50,000 barrels per month at that price." The communication further stated that oil in quantities is daily being purchased in this field at the above-named price.

The "Californian" has made diligent inquiries and has failed to find a single instance where oil has been contracted for at 15 cents. Still if it is true that such contracts have been made the necessity for an iron-clad association of the producers becomes the more obvious.

Oil Companies Incorporated.

Blue Shale Oil company. Principal place of business, St. Helena, Napa county. Directors: O. Wade, J. H. Steves, J. M. Graham, L. G. Clark and F. S. Ewer. Capital stock, $500,000; subscribed, $65.

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PROSPECTING IN VENTURA.

Rumors About the Standard Oil Company.

A block of land in the town of Ventura south of Front street, between California and Chestnut, has recently become the scene of drilling operations. A twenty-foot board fence was put around the property and the employes instructed to answer no questions. Accordingly there has been much surmise as to who the operators were. A report was in circulation that the Standard Oil Company was connected with the proposition, but this is not probable, as it is not the company's policy to prospect unproven ground.

The well in question, says the Free Press, is being drilled by Chambers and Witman of Hueneme. It is on the beach in a hollow just below the bluff. The hole is being drilled with a four-inch bit and by hydraulic power. When work was stopped last night the drill was down nearly two hundred feet.

Rumor has it that the Standard Oil Company is back of the whole proposition. Abstractors from Los Angeles have been here for the past two weeks searching the records for the titles of the Union Oil Company. The search involved 35,000 acres in the county, including two blocks in Santa Paula and one block in Ventura.

The matter does not rest with Ventura County alone, for it extends all over California wherever the Union Oil Company has interests. In connection with their work the Los Angeles abstractors looked up the facts concerning a certain franchise that was granted by the Supervisors in March, 1888, to Colonel R. J. Price, giving him the right to construct and maintain a wharf extending from the south end of the west half of block 16. It has been announced several times that the Standard Oil Company is endeavoring to secure the Union Oil Company's interests in this State. If this be done Ventura, the shipping point now of the P. C. O. Co. (Standard) and the Union, will be the natural shipping point of the big company. Wharf facilities there are inadequate, and the Standard will want its own wharf facilities anyway. It will want land for its wharf and approaches and for a refinery. It will need water for its ships and its refinery.

An Advantageous Condition.

No more advantageous conditions for the purchase of oil mining securities have ever been obtained than those of the present. After a few months of dull trading in which the market was beared down to a most ridiculous point a reaction is taking place, especially as it is demonstrated that the present production of crude petroleum will hardly be sufficient to supply the increasing demand for the same. Oil securities are still low, much lower than they will be in a few months from now and hence we say that there has never been a better or safer time to buy good oil mining interests than the present.

The list of oil companies which offer excellent opportunities for investment is too large for enumeration and consequently will mention but a few, such as the San Joaquin, Monte Cristo, Peerless, Home and the Kern River Oil company.

A new company that will soon be numbered among these heavy producers is the Standard Consolidated Oil and Land company which last week commenced on its first well in 19, 28-28, in the heart of the oil-producing territory in the Kern River district. There are producing wells on every side, and oil is assured at 1,300 feet. The company will soon have ten producing wells, and will be able to pay substantial dividends.

The company will soon commence drilling on its other properties on sections 8 and 4 of the Kern River district. The stock is offered for a short time only at 20 cents a share.

Profits in Oil.

W. G. Motley, an Eastern oil expert who recently visited the Kern River field, has given some facts to a New York paper that should prove of interest to California operators. Among them he says:

"It has been calculated that with wells 200 feet apart, or one well to the acre, and the oil sand 200 feet thick, each well would draw from a cube of 200 feet, containing appproximately 500,000 barrels of oil, making the life of the well twenty-eight years on a basis of fifty barrels daily production. But the oil sand of the Kern River proved field runs as high as 600 feet thick. Assuming it to be but 400 feet thick, and the production 100 barrels per day (a low estimate), the life of the well would still be twenty-eight years, with this large output.

"Therefore at one well per acre, the land would produce 3000 barrels per day. Taking only 300 working days per year this would mean 900,000 barrels. At 50 cents per barrel the gross income would be $450,000

"The outside expenses could not possibly be more than 5 cents per barrel, or $45,000, showing a net profit of $405,000.

"This is a conservative estimate, but, allowing for every possible drawback and every conceivable setback, it will be seen that the profits will be large and the returns upon the investment remunerative."

Oil will probably be substituted for coal as fuel at the city pumping station in Stockton.

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WRITE YOUR NAME AND ADDRESS PLAINLY

There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. P. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong. Bnai Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros' Medicine Co.
Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,
REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.
Dr. Taft Bros. Medicine Co.
Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once purchased a bottle of Asthmalene. My wife commenced taking it about the 1st of November, I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease. Yours respectfully,
O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.
Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.
Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City.

TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

Do not delay. Write at once, addressing **DR. TAFT BROS'. MEDICINE CO.,** 79 East 130th Street, New York City.

Struck Oil
South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,057 feet, with every prospect of striking oil.

In order to prove this land I will sell

50 ACRES AT $100 PER ACRE.

EASY TERMS

This offer must be taken up at once or it will be withdrawn.

None but principals need apply. For particulars address

B. W. W.,
Care of Pacific Oil Reporter
318 Pine Street, San Francisco.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

BUTTE.

Owners of the Hesperian well near Chico, Cal., think that oil will soon be struck, as the drill is now in a stratum of blue shale from which gas exudes.

COLUSA.

Work has been temporarily suspended on the Herron well, pending the installation of a pump in Bear Creek to supply enough fresh water, the late supply having proved insufficient to run the plant. Oil tanks have been erected to store fuel oil. Work is not to be abandoned until the drill has penetrated 2500 feet.

The Minor Ranch Oil company, operating twenty-two miles west of Williams, has its headquarters at the booming town of Corning, and is the only one in the field to contract for drilling. Mumford brothers have erected a standard rig on the lease and are drilling at a stipulated price per foot. They are now down several hundred feet, and their future progress will be watched with deep interest.

On August 27th a hole of the Chehalis Oil company had been put down to a depth of 125 feet and the conditions were most favorable that morning when they left. About forty feet from the surface a small vein of oil was encountered, which greatly encouraged all connected with the enterprise. The present rate of progress is about twenty feet per day. They have been engaged for three weeks developing a supply of fresh water and at present there is sufficient. The company has put up a 100-barrel tank to hold a supply of fuel oil, which will now be used. The pressure of gas the hole is very strong.

FRESNO.

The Confidence will probably resume active operations again in the near future.

The string of tools recently lost in the Roanoke well have been recovered by J. W. Livermore and an effort is now being made to pull casing.

The casing has all been pulled from Coalinga No. 10 and this camp is quiet now. Whether the company will do any more drilling soon or not we have been unable to learn.

The two wells of the California Oil Fields, Ltd., recently brought in, are good producers of oil of the same gravity as the Caribou production. This company will soon have two new wells started.

The Mt. Hamilton Oil Company has purchased another quarter section of land adjoining that on which rig No. 1 was recently built. This company will start two strings of tools within the next sixty or ninety days.

The Corona is pulling casing, which will be taken to Selma Hill and used by the Zenith Oil Company, which will commence drilling in a short time. The Corona will probably be abandoned as soon as casing is removed.

Sauer Dough Oil Company No. 1 came in last week and will easily pump a hundred barrels or more per day. Some say it will go 175 barrels. This is promising territory and during the next year there will be a great quantity of oil taken from wells in that locality.

Maine State No 3 has released a driller and tool-dresser and is only running in daylight. The reason this is that the well can be finished soon enough without running tower, as the oil they now have in No. 1 cannot be shipped until the pipe line is finished between this company's property and Ora station.

HUMBOLDT.

Rumor has it that A. Mackintosh, the oil man, has sent up orders from San Francisco to resume boring operations at his oil well near Petrolia, where work was suspended a couple of weeks ago.

The drillers from the Briceland oil well departed for San Francisco on the Pomona. Allen Craig issued orders soon after his arrival for a suspension of operations at Briceland.

The drillers from the Humboldt oil well up Conklin Creek, five miles from Petrolia, left for San Francisco on the Pomona. Operations ceased at this well a week or so ago after having reached a depth of nearly 1800 feet. Before leaving the drillers pulled all the casing from the hole, and this is probably the last of the "Humboldt."

KERN.

Kern Sunset has pulled its 3⅝ casing.

J. W. Crosland has returned from San Francisco.

The New York-California is preparing to spud in on its No. 2.

The York is gradually forcing its way down toward the oil sand.

Mecca No. 3 is drilling and 4 is soon to be rigged up.

Chicago Crude No. 10 was put on the pump this week. It is a good well.

Activity in the Sunset field is becoming more marked.

The Maricopa is putting in a new rig on section 1, 11-24, Sunset.

National Crude is soon to resume drilling on its holdings in the local field.

It is reported that the Red Bank has disposed of its production for the next twelve months.

Sunset Center, 10, 11-24, is bubbling over the top at the rate of thirty barrels per day.

The Orient is rigging up for its second well on section 30, 28-28. No. 1 was completed last week.

The Banner, 19, 28-28, is preparing to resume drilling. It will sink several holes during the winter.

Power Development company is preparing to sink several holes in its holdings in the local field.

The President has not succeeded in getting the rope from its hole on section 25, 28-27.

The Barrett has started a new rig in Sunset on the northwest quarter of section 12, 11-24.

The Wichita will shortly begin to sink another well in Sunset just east of No. 1 on southwest quarter of section 2, 11-24.

The Wizard, south of the river, is down 1080 feet, in blue clay. A double tower was put on this week.

Del Rey Oil company is about to perforate No. 4, which gives promise of being a good well.

Wellington Oil company is in very good formation and is pushing the work at 636 feet.

Spring Oil company's well No. 3 has entered the oil sand at the 400-foot level No. 1 is steadily pumping oil into the storage tank.

The British American Company is sinking a well on its lease from the Petroleum Center.

The Hawkeye State, 18. 27-28, is soon to begin drilling its second well. No. 1 was completed a few days ago.

Thirty-three and Imperial Oil companies, Kern River, have completed four 35,000-barrel tanks.

A drilling rig has been shipped to the San Joaquin River Oil company at Fresno, where an effort is to be made to find oil.

Blodgett & Jewett's Sunset refinery is running night and day, and many of the companies are depositing their product there.

The Richmond has had a fishing job on its hands for several days. The under-reamer which was lost in the hole was recovered.

Henry L. and Cynthia E. Barker have sold to George M. Stone the northeast ¼ of the southeast ¼ of section 10, 27-26. Consideration, $111.

Nevada county has one of the best producing wells in the local field. It is pumping 350 barrels per day. The company has two strings of tools working.

Petroleum Center is pulling its five and five-eighths casing in No. 2. The company has two strings of tools working on its holdings.

Queen Esther, operating on a lease from Bear Flag, has completed its second well on section 31, 28-28. It is thought the hole will be a good producer.

Mr. Grossmeyer is preparing to begin sinking a well on section 31, 28-28, where he has secured a ten-acre lease. The rig will be placed in position as soon as possible.

The Indiana company owns 160 acres in section 30, 26-28, near where the Commonwealth Oil company is now drilling with excellent indications of securing a well.

The Jacalitas, holding a lease from the Chicago Crude on section 30, 28-28, has completed its first well and is now rigging up for its second hole. No. 1 is a good producer.

Work has commenced on the first story of the new Producers' Oil Exchange building and the iron work for the structure is daily arriving.

The success achieved by other companies on the adjoining land has prompted the Continental Oil company to begin deepening a number of its wells in the local field.

San Joaquin Oil company's well No. 16, which created something of a sensation by gushing, is on the pump and is yielding from 400 to 500 barrels per day. Several more wells will be put down by January 1.

It is said that the Four Oil company has assigned to J. J. Fagan its lease to the west half of the northwest quarter of 34, 28-28, and the east half of the west half of 4, 29-28.

McKittrick Oil company's well No. 3, on 1, 30-21, recently went into eight feet of oil sand at a depth of 300 feet. Up to that point stovepipe casing was used, and after that eleven and five-eighths-inch casing was employed.

The Indiana Oil company, composed of some of the leading business men of Indianapolis, Ind., are just beginning well No. 1 on their land on the SE¼ of section 30, 28-28, which is in the heart of the Kern River field.

Articles of incorporation of the Bishop & Burrell Oil Company have been filed with a capital stock of $50,000. Portland, Or., is the principal place of business. The incorporators are Walter F. Burrell, Edwin R. Bishop and Charles D. Brandan.

The Vanderlip is meeting with success in sinking its second well. The 9⅝ casing was carried to the 860-foot level, where it was landed. The 7⅝ will be lowered this week. The drill has passed through a stratum of oil sand and the hole is in good condition.

Queen, of Sunset has had some trouble with its boiler and engine which has delayed the drilling of its two holes to quite an extent. The difficulty has been overcome and the company is again working its two strings of tools with success.

The Kern Oil Development has had good luck in drilling its first well on its lease just to the west of the Chicago Crude. The hole was completed a few days ago in good condition. The material for the sinking of No. 2 is on the ground and spudding in will begin at an early date.

The Minnehaha, section 18, 28-28 has completed drilling its well and has workmen taking out the plug. As soon as a perforator can be procured the hole will be completed. It is 1353 feet deep and has an abundance of oil sand, and it is thought the lower strata will produce a grade of light oil.

Hart Crude is making good progress with its work on section 36, 28-27, and is soon to complete its first well, which will be a very good producer. The ten-inch drive pipe in well No. 2 has been lowered to a depth of 105 feet. The drill in this well has penetrated nearly 200 feet of oil sand. Superintendent Graham thinks No. 2, when completed, will be the banner producer of the western part of the field. The company has the rig for No. 3 up and will soon locate 4 and 5.

MARIN.

The Bolinas Bay Oil company is down over 1680 feet. There is considerable oil now in the well of over 32 degrees gravity. Indications improve as the drill goes down.

MADERA.

The Herndon Oil company will soon commence operations, $25,000 having been realized from sale of stock.

NAPA.

In Napa County the Calistoga Oil and Development company was the first company to undertake the development of the oil lands of Napa County, and its well three miles north of Calistoga is the center of interest for all parties interested in the oil lands of that part of the State. This well is over 600 feet deep and will soon be completed.

ORANGE.

Menges well No. 1 in Brea Canyon is now pumping about fifty barrels a day. This company will commence drilling a second well soon, while the Puente Crude people are figuring on a location for another well.

The general tendency of the Santa Fe seems to be to follow its boundary line all the way around its territory and then fill up the intervening territory, thus, by "wildcatting" one well, save, perhaps, several dry holes.

The Olinda Crude Oil company has decided to put five more strings of tools to work immediately. Every indication in their present Nos. 4 and 5 points to a good well, but not a less depth than 2000 feet.

An excellent well was brought in by the Santa Fe company in No. 28, which has been drilling on the east end of this company's lease, between the Fullerton and Columbus properties. The oil is very light, almost like distil-

late, and boils over the top of the nine-inch drive pipe at the rate of some fifty barrels per day.

Development is generally at a standstill among the smaller companies of this field, though the Loftus and Fullerton Consolidated each have a new rig under way. These two companies sell their production to the Santa Fe.

The first hydraulic outfit ever used in this field is drilling at a depth of 800 feet in a hole on the Union Oil company's territory in Brea Canyon. The contractors exhibit pieces of a very hard rock which their outfit has brought up from the present hole.

The Santa Fe Oil company is now running nine strings of tools and preparation is being made for the doubling of that number before the beginning of the new year. A rig has been completed for this company's thirty-fourth well, while grades have been made, boilers set up and timbers hauled for thirty-five, thirty-six and thirty-seven.

The Santa Fe company has completed its new electric light system, running wires to every rig as well as to all the houses whose owners desire the lights. The power house has been completed and the foundations for engine and dynamo have been laid. A new machine shop, some 40x60, has also been built during the past fortnight, and a new four-bit casing perforator set up at the new rack. Power for both dynamo and machine shop will be furnished by a new thirty-horse-power gas engine, now en route from Chicago.

STANISLAUS.

The Mt. Oso company, operating southwest of Grayson, will commence boring Tuesday.

The X-Ray company, operating a few miles northwest of Orange Blossom colony, in Stanislaus county, had their new well down 550 feet early in the week. A five-foot stratum of oil-bearing sand was developed in the experimental well at a depth of 350 feet and the promoters of the company are sanguine they will "strike it rich."

SAN BERNARDINO.

The Russian Oil company, which is drilling a well northeast of Los Angeles, has had experts looking at the territory north of San Bernardino, known as the Muscupiabe ranch. They believe they have traced the oil channels along the foot of the range and that it runs through townships 1, 2 and 3, immediately north of Base Line. Shale and oil rock have been found in a mound through which Highland avenue cuts.

SAN BENITO.

A great deal of interest is now taken in the Vallecitos district and the several companies which have land in this district are making every effort to commence drilling in the near future.

The Santa Maria Oil company has contracted for a rig at Akron, Ohio, and the same will be shipped so that drilling can be commenced within six weeks. This is another Vallecitos company.

The Calistoga Oil and Development company are putting in 900 feet of seven and five-eighths casing in their well in the Vallecitos district. The favorable indications previously reported continue to improve.

A part of the Portia Oil company's rig is now on the ground and the balance will be forthcoming in a few days. This company's holdings are on section 8 adjoining the San Carlos well in the Vallecitos.

George Berg left last Friday for Bakersfield where he superintended the packing and shipping of a recently-purchased standard rig for the Cerro Bonito company, which will operate in the Vallecitos.

The Union-Mutual Oil company, organized under the laws of Delaware by New York capitalists, will soon commence operations on its lands in the Vallecitos district. A rig has been purchased and will soon be placed on the company's land.

The little Panoche section is in the throes of a new excitement. It seems that the drill of the Pacific Oil company, drilling on the lands of Mrs. P. Idiart, at a depth of 300 feet penetrated an extremely hard formation, which proved to be quartz. No attention was paid to discovery until the drill had penetrated the quartz some twenty feet, when some of the rock was sent to San Francisco and the assay showed $100 gold to the ton.—Free Lance.

Work on the Indian Valley Oil company's well has been suspended. A depth of but 200 feet was attained, the formation rendering progress with the leased rig—not a good outfit—too costly to warrant continuance. An assessment of one cent a share has been levied. Work will be resumed in the spring with a standard rig, the indications offering encouragement.

The Ashurst, in the Vallecitos district of San Benito county, a company in which a number of local people are interested, has been undergoing tribulations. At a depth of 430 feet the tools were lost and were not recovered for weeks. Then the spring supplying water showed signs of failing, and at the same time it was discovered that the well was not straight and could not be carried to much greater depth. Decision was arrived at to bore a new well, reserving the old well for its water value. On August 16th the new well was down 160 feet.

SANTA BARBARA.

Within the next sixty days the Purissima company will commence work on the Santa Rosa ranch.

Active operations for oil will soon be under way in the north end of Santa Barbara county. Several companies have recently been formed for the purpose, and several more are in embryo.

The Jalama Oil and Development company is the latest to take the field. The company will operate on the Diblee ranch in Jalama canyon. A first-class drilling outfit is now on the ground and the operators will be prepared to go 2000 feet, if necessary.

SOLANO.

Work at the Vacaville oil well has again been temporarily suspended on account of the cable being too short. A new one is expected this week.

SANTA CRUZ.

The Watsonville Coast Oil company, while drilling its first well in the Gaffey district, struck a heavy flow of gas at a depth of 600 feet last Saturday night. When ignited the gas had the appearance of fire forty feet high, and illuminated the country for miles. The indications are that the Watsonville Coast company will strike a good flow of oil at about 1000 feet.

SHASTA.

Keswick Crude Oil company has struck a strong [illegible] of oil at a depth of 450 feet, in its w[illegible] in the sand flats near Keswick. While the oil is not present in great quantity, it is believed a good flow will be found at a greater depth.

TEHAMA.

When the lost drill was recovered from the Corning Oil and Gas company's well the slip socket could not be separated from the augur stem, and were sent to San Francisco together.

VENTURA.

The Union Oil company is rigging up well No. 49 in Torrey.

The Union is pulling up the casing from well No. 50 in Torrey and has the promise of an unusually good well.

There is great rejoicing at well No. 54 in Torrey canyon where the landslide occurred a week ago whereby the tools were lost, for they have succeeded in fishing up the tools and are now drilling at 1100 feet.

A New Refinery.

Bakersfield will have a big refinery in the near future, says the Fresno Democrat. The preliminay work has been commenced and it is probable that work will be begun in earnest the latter part of the week. The refinery wlil be located at Reeder in a place convenient for the Santa Fe railroad, so the shipment of the refined oil will be an easy matter. The Pacific Refinery company is the builder and that firm is composed principally of Bakersfied people. A number of buildings will necessarily have to be erected to store the oil and to cover the tanks. Machinery has been ordered from the East, but it is probable it will not reach here for some weeks owing to the strikers in San Francisco. It is hoped the buildings will be erected and the machinery put in place by the first of November, but it is probable the work will take a much longer time There is quite a large amount of money invested in the enterprise and it will necessitate the employing of a large number of men. The new refinery will undoubtedly restore a great deal of the lost interest which has taken place within the last few months. It is estimated the refinery will have a capacity of 500 or 600 barrels a day.

The Yankee Girl.

We have received several inquiries from the east recently about the Yankee Girl Oil Company. So far as we can learn the company has land at Sunset, Kern county, a valuable holding undeveloped in San Benito county and an actual paying production in the Los Angeles City oil district.

The inquiries at the office of Kerr's Reports, a competent oil rating agency here, elicited the fact that the above named oil company is rated highly as to management and financial merits. It is a good company.

Kern County Assessments.

Kings County—No. 3, 2 cents, delinquent Aug. 28th.

Prosperity—No. 1, 5 cents, delinquent August 26th.

Superior—No. 1, 1 cent, delinquent September 7th.

Wisconsin—No. 1, 5 cents. Delinquent August 31st.

Hanford-Fresno-Kern River—No. 1, 5 cents. Delinquent August 31st.

Devils Den—No. 4, ½ cent. Delinquent August 27th.

Roberts—No. 1, 3 cents. Delinquent August 14th.

Del Monte—No. 1, 10 cents. Delinquent September 3d.

Bachelors—No. 1, 3 cents. Delinquent September 14th.

Kern River—No. 4, 20 cents. Delinquent September 12th.

Wellington—No. 2, 7 cents. Delinquent September 25th.

Nineteen—No. 1, 3 cents. Delinquent September 14th.

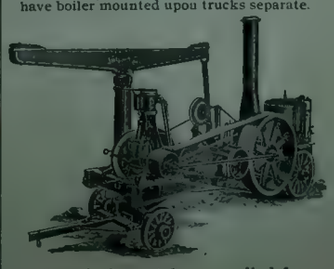
Clyde—No. 1, 5 cents. Delinquent September 10th.

Standard Rock Oil Co.

We understand that the "Reliable and Strictly Legitimate," as the Standard Rock is known among the oil men and newspapers, has a large deal on hand, which in a few days will be consummated to the satisfaction of the directors of the company. If such should be the case we expect to see the shares of this company go to 50 cents, whereas they are now still 20 cents. Our advice naturally to our friends is: Don't miss this chance, as it is not a question of striking oil on the proven lands of the Standard Rock, but of how many hundreds of barrels per day. It is useless to go to any further explanations as regards this honest concern, as we have in many of our previous numbers given all reliable information for any investor to go by. If you are looking for any giltedged investment with the omission of uncertainty, try this company and we believe you will not fail.

The Star Drilling Machine

Cut shows boiler mounted upon frame of machine for oil and gas works. It is usually advisable to have boiler mounted upon trucks separate.



Descriptive catalogue mailed free.

The Portable Rig which has placed upon a lower plane the expense of operating for oil or gas.

Its tests range from shallow water wells to a limit of 2825 feet in depth, but it is especially recommended for work under 1500 feet and can handle easily 1000 feet of casing.

One No. 4 Machine has a record of Thirty-two 800-foot holes in one year.

Made in Sizes to Suit Territory.

The only machines made that are absolutely without annoying springs. They are simple, powerful and efficient, easy to handle at work or on the road. Used in every State and Territory and in many foreign countries.

We also make full line of Drilling and Fishing Tools, Reamers, Sand Pumps, Spuds, etc

STAR DRILLING MACHINE COMPANY

AKRON, OHIO.

OIL OIL

Deal with responsible people if you want to be protected.

"A word to the wise is sufficient."

Success camps with success.

"Then follow success."

Follow me!!!

With 14 producing companies I've broken the record—7 to 1.

Where would you have been, had you followed me?

I've no time to waste on "dead ones."

The secret of my success lies in the fact that I place my clients on proven property.

I let others "wild-cat" and "prospect."

I'll be their neighbor IF they strike oil.

Write for a FREE copy of my "ILLUSTRATED OIL FIELDS," which describes the origin of oil in all its phases, where it is found, etc., etc.

References: San Francisco Banks.

JAMES R. T. MERSHON

Rooms 537-8-9

PARROTT BUILDING

SAN FRANCISCO, CAL.

OIL OIL

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO.

Capital $500,000
200,000 shares at $2 50

Location: 160 acres in Sunset district, Kern county

Officers and Directors—O B Burns president Wm E Stevens, vice-president, F J Brugiere, secretary and treasurer; Samuel Hubbard J P McCarthy, G G Kenny.

Office: 807 Claus Spreckels building, San Francisco, Cal.

CALISTOGA OIL AND DEVELOPMENT CO

500,000 shares par value $1

Operating on 2120 acres located in Napa, Yolo Fresno, San Benito Monterey and Kern counties Officers: L D Hitchcock, president, R B Todd, vice-president and manager, B F Edwards, secretary; J M Caselman, treasurer, Dr H G Thomas and Dr. E J Boyes San Francisco National Bank, depository Office 23 and 24 Merchants Exchange, San Francisco, Cal

COMMONWEALTH OIL COMPANY. Capital stock only $100,000 Shares $1 each. This company owns 320 acres of oil land in the famous Kern River district, 32, 26-28. Owns its entire rig, outfit of machinery, tools, derrick, engines, houses, tanks and wagons. Everything paid for and not a penny of debt. Only a limited amount of stock for sale. Robert Mills, president; G. B. Hoagland, M D., vice-president; R. F. Fullington, superintendent; Chas Conklin, secretary. 667 Market street, San Francisco, Cal.

CYGNET PETROLEUM CO.

Capital $150,000
50,000 shares at $3.

Location—Fresno county.

Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.

Office—561 Parrott Building.

Tel.—South 184.

CARIBOU OIL MINING COMPANY.

Capital $100,000
100,000 shares at $1.00.

130 acres in the Coalinga district, Fresno county.

Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.

Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.

Capital $1,000,000
1,000,000 shares at $1.00.

Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.

Directors—W. H. Turner, President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.

Pacific States Mining & Investment Company, fiscal agents.

Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.

Incorporated.

McKittrick district. 16 completed wells; 110 acres proven ground.

Office, 330 Pine St., Room 5, San Francisco, Cal.

FAMOSO OIL & INVESTMENT COMPANY Incorporated August 22, 1900, under the laws of South Dakota. Capitalization, $350,000. A producing company. Operating on proven territory in the Kern River District. Two largest wells in the district completed, and boring wells 3 and 4. Officers—John P Albro, President; A J Munton, Vice-president; T. A. Sheppard, Secretary; G. D. Miner, General Manager; Germania Trust Company, Treasurer. Directors, John P Albro, A J Munton, T A Sheppard, S D Miner, E E Whitney, George W Magwood, Frank Du Bois.

Office: 393 Parrott building, San Francisco.

GRAY GANDER OIL CO.

Capital $200,000
200,000 shares at $1.

Location: Section 7, 28-28, section 10, 28-27, section 22, 28-27, Kern county.

Officers—O B Phelps, president; J L Doble, vice-president; G F Abbott, secretary; Safe Deposit and Trust Co., treasurer.

Directors—O B Phelps, J L Doble, G F Abbott, T M Anton, J E Morris.

Office—330 Pine street, San Francisco.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND

Capital $250,000
250,000 shares at $1
125,000 shares of treasury stock.

Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.

Officers, B F Arnold, President, Geo A Gray Secretary.

Office, 476 Tenth street, Oakland.

KETTLEMAN HILLS PETROLEUM CO.

Capital .... $200,000.
200,000 shares at $1

Location: NW¼ Sec. 15, Twp. 23 S., R. 18 E., Kings county, 160 acres in Kettleman Hills district.

Officers—Chas C Crowley, president; John Ferrin, vice-president; Frank C Fabens, secretary and treasurer; Frank P Kelly, attorney; Chas W Nelson, D Horland, Wm J O'Connor. Depository, Union Trust Co.

San Francisco office—Room 408 Examiner Bldg.

Member of the California Petroleum Miners' Association

LION OIL COMPANY. Incorporated under the laws of [illegible] Number of shares [illegible] Land [illegible] Sunset Kern and Temblor districts. Directors, Dr A S Cook, M F [illegible], D S Stanley, F F Weed, T M Gardiner, J J [illegible], Dr J J Betts. Officers—Dr A S Cook, president; M [illegible] vice-president; D S Stanley, second vice-president; F F Weed, secretary; T M Gardiner, treasurer. Office [illegible] Market street, Emma Spreckels building, Room 5-6, San Francisco.

LINCOLN OIL COMPANY

Capital [illegible]

Number of shares [illegible]. All stock non-assessable. Incorporated Sept [illegible]

Lands [illegible] acres in Kern River, Sunset and Coalinga oil districts. Now [illegible] well on section [illegible] Kern River district, Kern county, with its own standard rig.

Officers, Irwin D Martin president, J H Edson secretary and manager.

Directors, Amos Seaman, R T McGinnis, Irwin D Martin, M A Edson, John S Walsh, A L Todd, Jennie Ralston.

Office, Rooms [illegible] Central Bank Building, Oakland, Cala.

MONTEREY OIL DEVELOPMENT CO

Capital $1,000,000
1,000,000 shares at $1 each

Location of lands, Coalinga oil fields, Fresno county, 160 acres. Panoche oil fields, San Benito county, 160 acres. Monterey county oil belt 4280 acres.

Officers: Dr J L Roberts president, J B S Maltby, vice-president, J F Moore, secretary; D J Boughton treasurer. Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO. OF WEST VIRGINIA

Capital stock 600,000 shares ... par value, $1.00

Officers: Wm Crites, president; F M Graham vice-president; J B Batz, treasurer, C E Hailstone, secretary; T L Moran, manager, Kern Valley Bank, Cal Depository

M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA

Capital stock, 600,000 shares ... par value, $1.00

Officers—Wm. Crites, president, F M. Graham, vice-president; J. B. Batz, treasurer, C E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.

Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

SURETY OIL COMPANY

Capital $600,000
600,000 shares par value $1.00 each.

Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district

Officers and Directors, M Esternaux President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.

Farmers and Merchants Banks, depository.

Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE

Capital $500,000
500,000 shares, par value, $1.

Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.

Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.

Brant and Brown, attorneys.

Office: Room 1, 85 S First st., San Jose, Cal.

San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.

Incorporated under the laws of the state of Arizona, October 3, 1900.

Capital stock, 200,000 shares, valued at $1 per share, or $200,000.

Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.

Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.

Depository: First National Bank of San Francisco.

Safe Deposit Vaults, Union Trust company, San Francisco, Cal.

Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.

Capital $300,000
Treasury stock $150,000

Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.

Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.

Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

THE RAVEN OIL COMPANY. Capital stock $150,000 divided into 150,000 shares of the par value of $1 each. Locations 162 59-100 acres in south half of south half of south half, section 6, 28-29, and lots 1, 2, 3 and 4 containing 204 acres, same section, Kern River district. Officers—Hon. John R Aitken, president, C H Congdon, vice-president; C H Quincy secretary; D G Overall, superintendent, Paul V Finch. Bank of Bakersfield treasurer.

San Francisco office—Hon, John R Aitken, Clunie building, 503 California street.

U. S. OIL AND MINING CO.

Capital $300,000
Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

WESTERN OIL ASSOCIATION

Capital .... [illegible]

[illegible] shares par value $[illegible] each

Organized under the laws of South Dakota

[illegible] property [illegible] acres Kern county [illegible] acres San Diego county [illegible] acres Glenn county [illegible] acres [illegible] county [illegible] acres San Benito county, [illegible] acres, Monterey county [illegible] acres Fresno county [illegible] acres Humboldt county [illegible] acres

Officers and Directors, J F Harris president, Irwin D Martin vice-president, R K Roberts secretary, Union Trust company treasurer; W I [illegible], Springfield [illegible], Irwin D Martin Oakland, Judge J F Harris Oakland, R K Roberts Oakland

Principal Office [illegible] Emma Spreckels building San Francisco, Cal

Branch offices, New York [illegible] Broadway, Philadelphia [illegible] N [illegible] street, St Louis Chemical building, Washington D C [illegible] A street, Portland [illegible] McKay building, Chicago Royal Insurance building, Albany N Y, [illegible] State street, Kansas City, [illegible] Nelson building

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Capital $500,000
[illegible] shares at $[illegible]

Location [illegible] acres in Humboldt county

Officers, Claus Kroeger, president, A F Coffin vice president, H C Tilden, E L Dow, N H Eaton, L F Swain secretary

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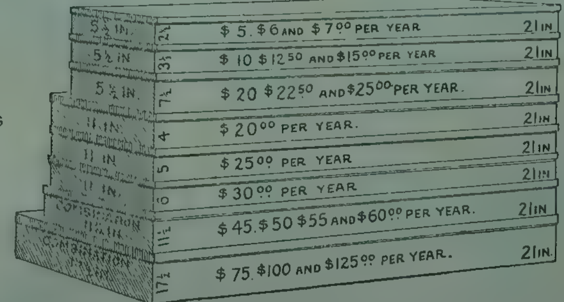

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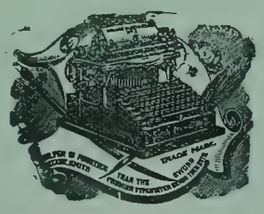

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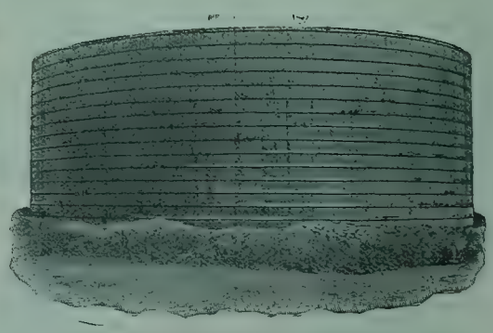

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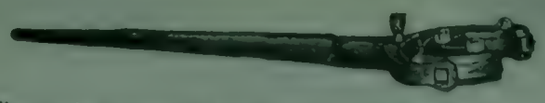

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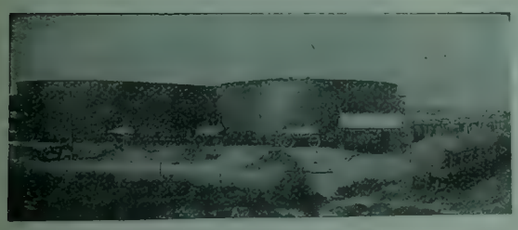

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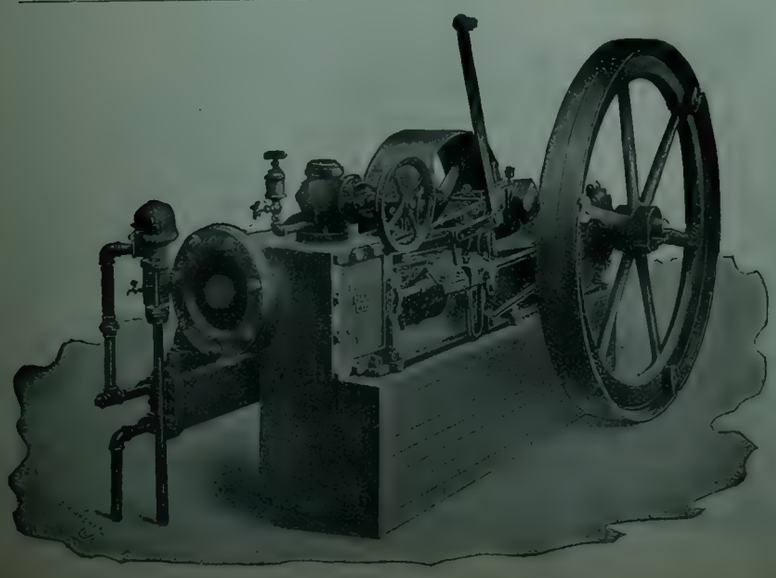

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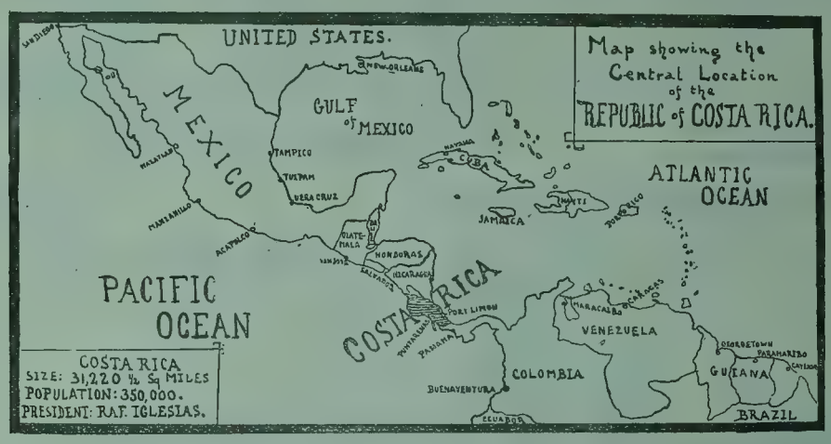

(1) The Company is owner of large tracts of proven coal and oil lands (about 50,000 acres) in the Republic of Costa Rica—to which will be tributary a coal trade now amounting to 25,000,000 dollars per annum—all English and Australian coal—which it will replace with Costa Rica coal of best anthracite and bituminous quality.

(2) The Company has a special concession for 50 years, granted to it by the Costa Rican Government, giving to it virtually a monopoly of the coal and oil trade of Central America.

(3) The Company will be a big dividend payer. English or Welsh coal costs now from $12 to $18 50 U. S. G. per ton in Central America and the West Indies. It costs us only $2 per ton to mine and deliver the coal—we can safely compete at a much lower notice and still make 500 per cent profit.

(4) The Company also has concessions for railways, telegraph and telephone lines, wharves, moles, and harbor-works, is exempt from all taxes, pays no custom duties on import, all of which is very valuable and will permit of the forming of subsidiary companies in which the Costa Rica Petroleum & Coal Company will be interested.

(5) The Concession includes a grant of 400 meters in every nautical mile on both the Atlantic and Pacific Coast of Costa Rica which it may need for its business, not otherwise occupied. This means new ports, townsites and wonderful development—opportunities—all of immense profit value to the Company.

(6) The Company owns its land outright and original deeds can be seen at the office of the Fiscal Agents at 326 Post St., San Francisco, certified to by the President of the Supreme Court, the Minister of Justice, the Minister of Foreign Relations and the American Consul in San Jose de Costa Rica. This land is best tropical agricultural land and contains thousands of wild rubber trees, valuable woods and other natural treasures. The Company may work it itself or lease it to others for plantation purposes.

(7) The management is in excellent hands, comprising prominent business men and bankers of America and Europe.

(8) The stock is now only 25 cents per share, but will soon advance to 50 cents or more. $5 per share is a possibility before long. Only a limited number of shares still to be sold.

The Concession of the Costa Rica Petroleum & Coal Company was published in the "Gaceta," the government organ of Costa Rica in the issue of July 24, 1901. The "Gaceta" can be seen in every Costa Rican Consulate throughout the world. The San Francisco Consulate of Costa Rica has received instructions from His Excellency, Dr. J. B. Calvo, Minister from Costa Rica at Washington, to give all official support to interests of the Costa Rica Petroleum & Coal Company.

See reports of CARLOS IGLESIAS, M. E., (brother of President Iglesias of Costa Rica.)
DR. E. HENRICI, the eminent German Geologist.

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VOLUME 2 NUMBER 15

PACIFIC OIL REPORTER

SAN FRANCISCO CAL., FRIDAY, SEPTEMBER 13, 1901

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The PACIFIC OIL REPORTER has received from the publishers, Hall, Barlow & Austin, a large consignment of up-to-date, accurate, indexed maps of Kern County, Cal.

These maps show the location and holdings, wells, etc., of every company operating in the following districts:

Kern River Oil District

Sunset Oil District

Midway Oil District

McKittrick Oil District

These maps are published in pamphlet form and are properly indexed so that any one can find at a glance the location of any company desired.

We have purchased a large quantity of these maps and will present them free of charge to those who pay $2.50 in advance for one year's subscription to the PACIFIC OIL REPORTER.

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PACIFIC OIL REPORTER

VOL. 2. NO. 45. SAN FRANCISCO CAL. FRIDAY, SEPTEMBER 13, 1901. PRICE, TEN CENTS

SANTA BARBARA.

Recent Important Oil Developments in This County.

Wells Flowing Very Prolifically, Yielding Oil of a Superior Quality—Companies Operating Which Have Large Capital Back of Them.

For the last two years, in fact since the oil excitement in California started, Mr. Henry J. Crocker, the well-known capitalist and promoter of numerous industrial enterprises, has been besieged by owners of prospective oil lands, by oil companies and by promoters of oil stock enterprises who have endeavored to enlist him in the purchase of land where oil can be obtained.

Mr. Crocker has listened carefully to all propositions proposed; but until recently has refused to entertain any of them.

He has had all confidence in the oil future of California; but simply as a matter of business, has refrained from investing his capital until he could feel assured that he could obtain control of a large tract of land which would develop oil in satisfactory quantity and of a quality which would command a high price in the market.

During the last two months Mr. Crocker has had his attention directed to Santa Barbara county, and after due examination by the most skilled oil experts of California and the East, has come to the conclusion that this county presents a field which will warrant him and his associates in expending a large sum of money in developing the territory, and they secured the lease of the Harris ranch.

Calling Fullerton the most southern oil district in the State, following up the coast line parallel with the ocean one can almost draw a straight line through the different oil fields that lie along the coast, viz: Fullerton, Whittier, Los Angeles, Santa Paula, Newhall, etc.

On the other hand a glance at the map showing the oil districts of the State will show that the oil belt extends in a northwesterly direction from Bakersfield to the coast, including the districts of Kern River, McKittrick, Sunset, Midway, etc.

If lines be drawn through these different districts from Fullerton north and from Bakersfield northwest it will be seen that the point of contact will be near the coast in Santa Barbara County.

While this may be a simple coincidence, nevertheless the fact remains that the experts have expressed their firm belief that Santa Barbara County presents as good a field for oil development as any county in the State.

The illustrations accompanying this article, will show that the prognostications of the experts have proved true.

View of Graciosa Well No. 1.

Well No. 3 of the Western Union Oil Co. which Commenced Flowing September 3.

THE WESTERN UNION.

On September 3rd, well No. 3 of the Western Union Oil company of Los Angeles, at a depth of a little over 1600 feet, struck oil which commenced flowing at the rate of 250 barrels a day. The accompanying photograph shows the oil escaping from the well s on after the oil stratum was pierced by the drill. Since that time, the flow of oil has increased very materially, and large tankage facilities have been ordered and are already on the way.

This is not the first well which has been successfully drilled in this locality. Well No. 1 of the Western Union Oil company was drilled to a depth of 2,000 feet. Prolific oil strata were encountered when an earthquake spoiled the well, so that it was impossible to continue it at a greater depth. This well is now full of oil, and will probably pump at least twenty-five barrels a day.

After the earthquake had made further drilling impossible on well No. 1, well No 2 was started about 200 feet away. This well is now down 1800 feet, and will pump nearly fifty barrels a day of oil which will exceed a gravity of 25 degrees.

A FLOWING WELL.

About two months ago, well No. 3 was started three-quarters of a mile distant from wells No. 1 and No. 2. On September 3rd this well commenced flowing at a depth of 1600 feet. These three wells have been drilled by the Western Union Oil company, which has practically demonstrated that in the near future, Santa Barbara county will rival Kern and Fresno counties in producing oil abundantly and of a quality which will make it valuable, not only for fuel but refining purposes.

The Western Union is a Los Angeles company; and the directorate is as follows: J. S. Slauson, President; J. D. Bicknell, Vice-President. The other gentlemen on the Board are H. W. Hellman, W. H. Perry, H. Jevne, J. A. McKay, Thos. Hughes, Morris Alvee and H. J. Woollacott. Mr. Hughes is the General Manager of the company; Mr. Alvee is Secretary and Mr. Woollacott is Treasurer.

The land controlled by this company consists of 7500 acres of what is known as the Carreaga Ranch.

THE GRACIOSA.

The Graciosa Oil Company was incorporated by Los Angeles parties at Los Angeles. The company made agreements later on with Henry J. Crocker of San

Francisco and the corporation was legally transferred to San Francisco, with offices adjoining Mr. Crocker's in the Crocker building. The lease held by the Graciosa Oil Company controls 7539 54-100 acres of the Harris part of the Los Alamos Rancho in the county of Santa Barbara. This ranch is principally grain fields, well watered and timbered, and extends to within eight miles of the sea, where a fine landing exists. The narrow-gauge Southern Pacific Railroad from Port Harford runs directly through the Harris ranch, and the Southern Pacific runs the entire length of the ranch about six miles away, thus there are three means of transportation for oil products, two by rail and one by water. The territory has been proven by the success of the Carreaga wells, which are from 1000 feet to one mile from this company's holdings, and the well that is now being bored by the Graciosa Oil Company is in a direct trend with the three producing wells of the Western Union Oil company. The gravity of the oil, 32°, is the same as that of the Coalinga district, which lies over the hills, and the field is of the same character.

Mr. Crocker, who has just returned from the new field, was much pleased with his trip, and thinks the transportation facilities of this field will make it very popular. He took the photographs which illustrate this article and which give a fair idea of the country in the neighborhood.

The Graciosa company within three months will have several wells down, as there have been no dry holes or failures to get oil in the vicinity.

THE CASMALIA.

Another company which will soon be developing oil in the Santa Barbara field is the Casmalia Ranch Oil and Development Company, of which the officers and directors are: C. C. Morehouse, President; T. H. Curley, Vice-President; W. R. Jones, Secretary; Emil Woenne, Treasurer; Henry Disque, William H. Chapman, Attorney-at-law. This company has land situated about seven miles from the ocean and the S. P. R. R. cuts through its western part, so that this company has the same advantages of railroad and water transportation possessed by the Western Union and Graciosa. The first well drilled by the company had to be abandoned, owing to caves, loss of tools, etc., but the progress of the drill has demonstrated the fact that oil of a superior quality exists in abundance.

THE HUASNA.

Another company called the Huasna is now drilling fourteen miles north of Santa Maria. The first well drilled by this company was located too near the river, and it was found impossible to control the water which flowed into the well, consequently the rig was moved up the hill and drilling is now going on. The officers of this company are M. L. Gerstle, J. A. Fairchild, O. J. Orena, F. H. McCormick and Fred Harkness.

Wells Nos. 1 and 2 of the Western Union Oil Co. Showing Oil on the Ground.

Well No. 1 of the Graciosa Oil Company.

HOW TO GET THERE.

On account of the rapidly growing importance of this new Santa Barbara oil field, numerous inquiries are being made as to the most direct route to the new territory.

The railroad ticket should be purchased to Guadaloupe where a bus meets the regular Southern Pacific train, and takes one over to Santa Maria, where there is a good hotel and livery stable.

Stopping here all night, the next morning a pleasant drive of fourteen miles takes one direct to the new field.

RAILROAD FROM KERN.

It is more than probable that in the near future, a railroad will be built from the oil field of Kern county through the fields of Santa Barbara to the ocean.

Already the route has been surveyed and found to be easy and practicable. Some of the most influential and wealthy oil men in the Kern fields are back of the project, as they believe that a railroad to Santa Barbara offers the easiest solution to the transportation question.

The road will be built from Bakersfield west through the great Cressy Plains, then to Santa Maria, down the Santa Maria River to Lompoc, and thence to the sea, where a harbor can be secured. The proposed route has not been definitely settled, but it is thought will require a road about 150 miles in length.

That the investment of large capital in developing oil properties in Santa Barbara County is not based upon guesswork is proved by the following extracts from reports given after careful examination by the best known oil experts and geologists in America:

THE GEOLOGY OF THE HARRIS RANCH.

The following notes on the geology of the Harris ranch were taken in connection with its examination relative to its value as prospective oil property. Of this prospectus, reference will be made later. As the paleontological data has not yet been heard from, the following facts are a correlation of notes taken in the field.

The Harris Ranch is located in the western part of Santa Barbara county, and covers an area of about eight thousand acres. The main topographical feature of the region is the Los Alamos Valley, a broad synclinal valley traversing the southern portion of the ranch in an east and west direction. Its elevation at the lowest point, as near as could be determined by an aneroid, is seventy-five feet, rising on either side to an elevation of about one hundred and twenty-five at the foot of the bounding hills.

The range of hills to the south of the valley rises rather abruptly to an elevation of seven hundred and fifty feet and sloping gently on the other side, its spurs form the low hills to the north of Lompoc.

To the north of the valley, the hills rise gradually. The gulches

Well No. 1 of the Casmalia Oil Company.

are broad and shallow and considerable detritus has been deposited in them. In fact, throughout the northern portion of the ranch, in contradistinction to that region south of the valley, the beds are largely covered by pleistocene deposits or soil, and the stratigraphy poorly shown. The geology of the Harris Ranch is simple, and comprises a series of unaltered sandstones, shales and conglomerate of undoubted Tertiary age. Fossils, mostly lamellibranchs, were collected at a number of localities and forwarded to Dr. F. P. Smith of Leland Stanford, Jr. University for determination. While no positive statement can yet be made as to the exact horizon represented, it is probable that those beds are pliocene.

The oldest beds exposed consist of a white, very calcareous shale, almost massive, and grading into an impure limestone in parts. Forming the greater part of the hills to the south of Los Alamos Valley they dip at about 45 degrees north, 26 east, and lie to considerable thickness. Weathering has disintegrated the beds, forming a coarse white powder-like soil.

Directly overlying these shales, occurs a thin layer of sandstone, probably fifteen feet in thickness. While essentiallly a fine grained rock, this sandstone contains many inclusions of well rounded pebbles of a granite rock.

Resting conformably upon this is a stratum of white conglomerate composed of well water-worn flattened fragments of bleached shale. The beds are exposed at the mouth of the canyon a little south of Captain Harris' residence, and across the valley at the railroad cut to the north of Harris Station, and also at other places where the over-lying beds have been eroded.

The youngest beds exposed on the Harris Ranch are found only to the north of the Los Alamos Valley where the beds lie almost flat. Superimposed on the white conglomerate, these beds, consisting of a series of sandstone and shale, form the surface rock of almost the entire northern portion of the ranch. They vary in texture from a fine grained sandstone at the base of the series, to a soft shale. It is in the upper portion of these beds where the fossils were collected.

STRUCTURE.

The beds on the Harris Ranch itself do not show much evidence of dynamic movement, the greater part of them still rest at almost the angle of deposition. However, the region directly to the north, on the Carreaga estate has been faulted and broken to a great degree, and the strata folded into anticlines and synclines.

The strike of the Harris Ranch pliocene is approximately east and west. To the south of the valley, the topography conform closely to the stratigraphy. The beds lie at a steep angle. Passing northward, they dip into the Los Alamos Valley, the uppermost bed reappearing on the south side of the valley, but with a very slight dip to the south. This "blanket formation" continues to the north for three miles. Passing still farther north, the beds show more evidence of disturbance, being thrown into folds.

At the northern boundary of the ranch, and extending north the region has been subjected to great dynamic influence. The strata have been faulted and fractured and fissures formed which subsequently have been filled with asphaltum.

At the summit of an anticline and along its axis one of these fissure veins extends about northeast and southwest. This deposit occupies the northeastern corner of the ranch and is known as the Harris mine. About a quarter of a mile southeast near the axis of the adjoining syncline a derrick has been erected and drilling is being carried on for oil.

THE HARRIS ASPHALT MINE.

The Harris mine is situated in the northern part of the ranch It is at present being prospected. Two shafts have been sunk, one 82 feet and the other probably 30 feet, from which a short shaft has been run along the strike of the vein. A little stoping has been done on pockets.

Geologically the deposit is a fissure vein, striking with the country rock. The average dip is 40 degrees west, 9 degrees south, and its mean thickness about four feet. A partial analysis made in the Los Angeles testing laboratory showed:

Total bitumen, 40.5 per cent.
Mineral matter, 50.1 per cent.
Organic insoluble, 9.4 per cent.
Water and light oils, 4.7 per cent.

The ore is tolerably uniform.

The genesis of the numerous asphalt deposits of this region may be attributed to the system of fissures and the presence of petroleum-bearing strata at some depth below the surface. The asphalts are the oxidation products of petroleum brought about by regional metamorphism.

ECONOMIC CONCLUSION.

From the foregoing facts the conclusions respecting the presence of oil-bearing strata may be summed up in a few words.

From the presence of such numerous deposits of asphaltum there is no doubt in the writer's mind as to the presence of oil strata. However, conditions for oxidation and alteration seem to have been very favorable in the vicinity of the Harris mine and to the north, making it undesirable to drill in the immediate neighborhood in which these conditions are noted, inasmuch as the probability of the oil stratum carrying very heavy oil or brea would be great.

As to the depth of oil-bearing strata absolutely nothing can be said. The only way to determine this is to drill in a favorable location.

It is my opinion that the most favorable location for such drilling is, as pointed out in the field, a point about a mile north of Harris Station. The structure of the beds at this point is such that the drill would penetrate them at right angles to their bedding planes, making the depth drilled their actual thickness. The distance from the seat of oxidation is great enough so that were the stratum reached the oil would be of sufficient high gravity.

The yield of any oil sands struck will probably be great, judging from the derived asphaltum deposits.

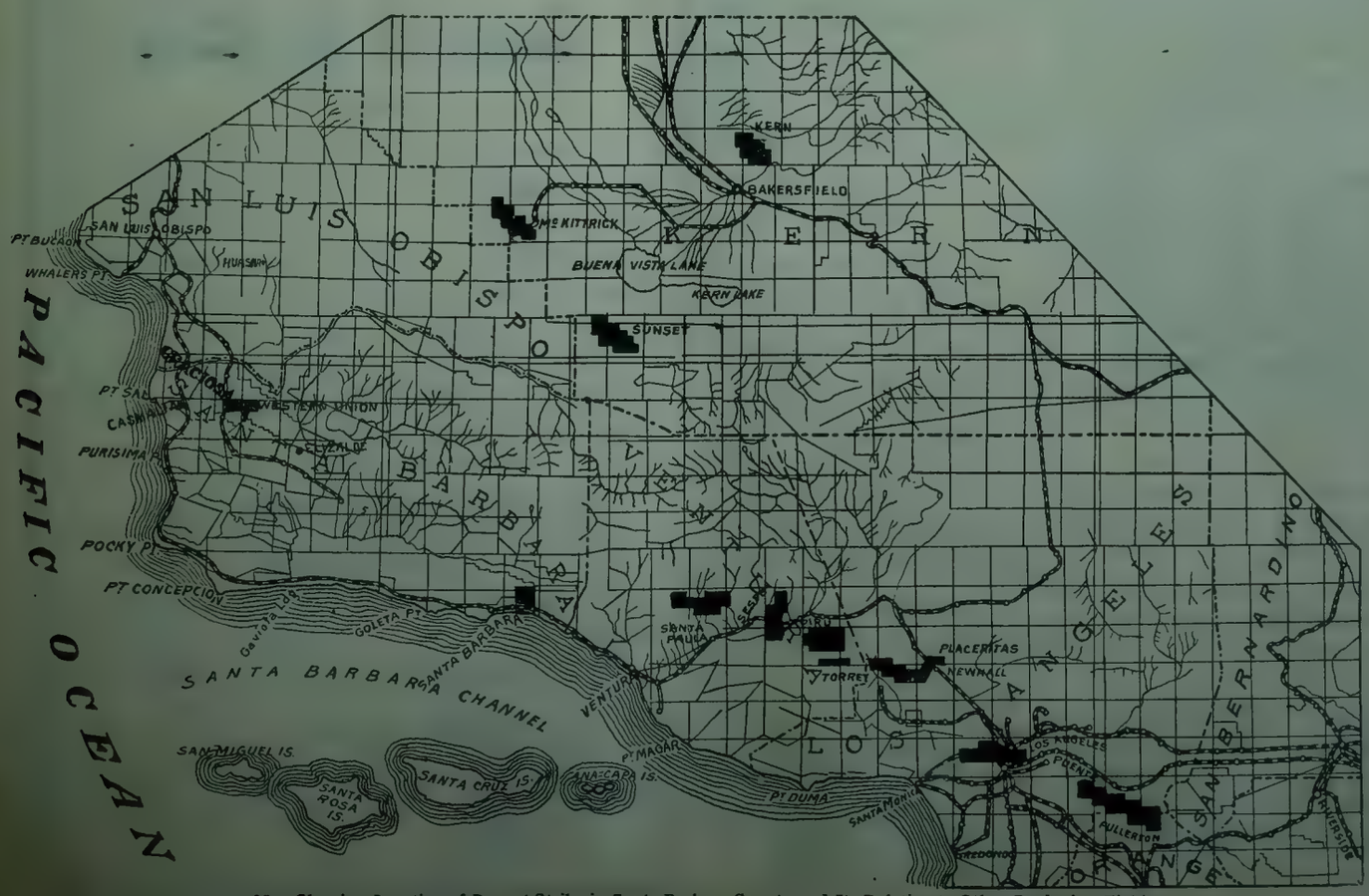
In conclusion I would say that the point of prospect in this region lies in the depth to which drilling will have to be carried.

LOS ANGELES, CAL.,
Feb. 19, 1901.

FRED HARENESS, ESQ.,

Dear Sir:—Referring to our recent conversation as to the probability of the existence of oil in paying quantities on the Los Alamos Rancho in Santa Barbara county, as you know I made an examination of the Juan Carreaga portion of that ranch for the Western Union Oil Company who, upon my favorable report, are now boring a well thereon with every indication at present of successful results. I was employed by that company in the early portion of last year to examine several properties in San Luis Obispo county, on all of which I returned unfavorable reports, and for the same reason in all of them, namely, that the abundant surface manifestations of oil such as bituminized sands and in some cases even live seepages of heavy oil were nothing more than denuded oil deposits which at some former time were covered with heavy deposits of stratified material that have since been eroded away by the elements

Continued on page 6.



Map Showing Location of Recent Strike in Santa Barbara County and Its Relation to Other Producing Fields.

PACIFIC OIL REPORTER

Published Weekly

The Oil Authority of the Pacific Coast.

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

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318 Pine Street, San Francisco

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, SEPTEMBER 13, 1901.

New Field in Santa Barbara County.

A new and extensive oil field is about to be developed in Santa Barbara on the Harris and Carreaga ranches near Santa Maria.

The recent strike of the Western Union company has proved conclusively that here oil can be obtained of a superior quality and in paying quantities, and at a depth of about 1,600 feet. The oil has a gravity exceeding 25 degrees which makes it an easy matter to pipe it to the sea but a few miles distant.

There are also two lines of railroad which can be utilized, thus making the transportation problem easy of solution.

The gentlemen behind the companies now drilling in this portion of Santa Barbara county are men of means and influence, and the success of these enterprises does not depend upon the sale of small blocks of stocks.

With the new field shortly to be opened, and with the Summerland field already a pronounced success as an oil producer, Santa Barbara county is destined to soon take the front rank among the oil districts of the state.

Concession Ratified.

The Costa Rica Petroleum and Coal company has received a cable from San Jose de Costa Rica informing it that the Costa Rican Congress ratified at a special session of Congress the valuable concession granted to it by the Costa Rican Government. To judge from the tenor of the concession it is something wonderful for any one company to achieve, and the Costa Rica company's management is to be congratulated. Stock will be at 25 cents only for a short time longer, when it will be 50 cents per share, and intending subscribers had better hurry up if they wish to buy some more stock. The company's officers are at 326 Post street, this city.

SANTA BARBARA.

Continued from page 5.

leaving the strata containing the bituminous matter exposed on the surface and in some cases actually occupying the summits of sharp ridges, their positions on such exposed places being due to their superior resistance to the eroding action of the weather arising from the asphaltic elements they contain. These exposures have quite often deluded people into the belief that the oil in them came from below, and much loss has been incurred in boring down to obtain it. Of course it would be futile to search for oil under such conditions, as the volatile matter contained in such deposits has long since disappeared by evaporation leaving nothing but the heavy non-volatile constituents of the original matter.

I found also that in nearly all the cases above referred to, that these deposits existed in close proximity, if not actually in the midst, of regions more or less altered by metamorphic action, which of course would have the effect of driving off all the lighter oils by reason of the heat evolved or required for such metamorphosis.

I then made a visit to the Los Alamos Ranch and was much impressed with the conditions I found there, namely, a wholly unaltered condition of the rocks almost absolutely free from folding or crushing of the rock structure, and yet a certainty that oil existed in them as shown by what I can only describe by the term blow-out which manifests itself on the Newlove place, the disturbance extending into the northeast corner of the Daniel Harris place.

This phenomenon consists of an almost crater like disturbance perhaps three-quarters of a mile in length by a quarter of a mile wide in which great masses of shale and sandstone have been turned topsy-turvy and tilted in all directions while the ground has been cracked by fissures radially from the center of action, such fissures being at present filled with asphaltum and from which large quantities of this substance are being mined. The efflux of petroleum from this break must have been enormous, for we find surface soils and sands that have been saturated with it scattered in all directions therefrom.

Another peculiar fact I observed was that during the progress of the emission of this oil it undoubtedly was on fire, for I find burned soils and shales in many places about the lips of old fissures. The heat generated by such conflagration, in my mind, accounts for the present condition of the asphaltum in the cracks which has been deprived of its volatile matter by the heat invading the ground and driving it all out without burning the asphaltum by direct contact with the actual combustion.

My conclusion with regard to this country, after my first brief examination, and which conclusion is in part, at least, already confirmed by the result of the boring of the Western Union Oil Company, is that there is a heavy deposit of oil underlying a large portion of the territory at a very considerable depth but in ground easy of penetration due to its undisturbed condition except in the neighborhood of the blow-out.

It would require perhaps a week's careful examination in the field to determine the most probable direction of the strike of this deposit, but I have an idea that the fold is an exceedingly broad one and differs radically from any oil territory yet exploited in California.

As a matter of scientific curiosity I would be glad to have an opportunity of making an exhaustive examination of this geological phenomenon, but unfortunately have been unable to spare the time to do so. Yours truly,

WM. MULHOLLAND.

Crude Oil vs. Crushed Rock.

In order to ascertain the difference in the cost of buying and applying oil and that of crushed rock, a method recently inaugurated in Sutter County, a northern paper has examined the proceedings of the Board of Supervisors of that county since the purchase of the rock crusher in April, 1900, and finds that the roads built with this material since that date, counting the cost of the crusher, has cost the county about $8000 in round numbers. This includes $1485, the cost of the crusher and engine, and the hauling, crushing and spreading of the rock on the roads.

At the rate of $100 per mile for a 12-foot roadway (the cost of buying and applying crude oil) $8000 would build about eighty miles of road. It is stated that it costs no more to keep in repair a road that has been oiled than it does one made of rock. If this be true the Sutter County Supervisors should at once make arrangements to get an oil-heating apparatus and prepare to improve the highways.

A ride along any of the roads at this time is a convincing argument that a few thousand dollars spent on them would be money well invested.

A Sucessful Broker.

Mr. J. B. Toplitz, the dealer in oil stocks, reports business for the last week or two as being much more brisk than for some time past, out of town orders being particularly satisfactory. Mr. Toplitz has been unusually successful as a broker, especially for the reason that those who have purchased through him and at his advice have been well satisfied with their purchases. He is now acquiring for his clients large blocks of stock of the Petroleum Center Oil company which is soon to have the support of a well known oil man, who has been quietly securing large amounts of the stock, and who will probably be elected President of the Petroleum Center at the next annual meeting.

Prospectuses.

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Struck Oil
South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,057 feet, with every prospect of striking oil.

In order to prove this land I will sell

50 ACRES AT $100 PER ACRE.

EASY TERMS

This offer must be taken up at once or it will be withdrawn.

None but principals need apply. For particulars address

B. W. W.,

Care of Pacific Oil Reporter

318 Pine Street, San Francisco.

The Diamond.

The Diamond Oil company, which has its property in the NE portion of township 29, range 21, to the north of McKittrick, is having its well completed by the Oil Land company. Work was resumed about two weeks ago, and the well, which at one time was drilled to a depth of 950 feet, was found to be filled with sand for over 200 feet. The sand has been removed, and the well is now down over 1000 feet. Work is being pushed night and day. President E. G. Berri of the company, expresses himself as much pleased at the outlook.

New Exchange Officers.

At the meeting last Tuesday of the Producers' Oil Exchange the following were elected officers for the ensuing term: Wm. Edwards, President; Chas. Sonntag, Vice-President; R. W. Heath, Secretary; Sylvian Solomon, Treasurer; Jos. L. King, Caller.

The Yankee Girl.

Since our last issue we have received further inquiries about the Yankee Girl Oil company of Los Angeles. They have two producing wells in Los Angeles City district and their oil is contracting, we understand, at 75 cents.

Kerr's Reports, the Oil Rating Agency, says they own a total of 560 acres, mostly in fee simple located in San Benito county and in McKittrick and Sunset district, Kern county, besides the lots in Los Angeles. They report the firm well managed and their prospects excellent.

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Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, September 11:

BAY CITY.		
250 at	40	100 00
BLACK FLAG.		
1000 at	08	80 00
CALIFORNIA STANDARD.		
1000 at	22	220 00
800 at	23	184 00
200 at	24	48 00
FOUR OIL.		
900 at	40	360 00
GIANT.		
100 at	28	28 00
200 at	30	60 00
HANFORD.		
5 at	119 00	595 00
11½ at	120 00	1380 00
HOME OIL.		
100 at	3 65	365 00
250 at	3 70	925 00
500 at	3 75	1875 00
100 at	3 80	380 00
INDEPENDENCE.		
1000 at	10	100 00
100 at	11	11 00
JUNCTION.		
2700 at	25	675 00
1000 at	26	260 00
5400 at	27	1458 00
100 at	28	28 00
LION.		
2709 at	09	243 36
2101 at	10	210 10
MONARCH OF ARIZONA.		
500 at	22	110 00
700 at	24	168 00
500 at	25	125 00
500 at	26	130 00
100 at	27	27 00
McKITTRICK.		
127 at	25	31 75
OCCIDENTAL.		
100 at	42	42 00
200 at	43	86 00
300 at	45	135 00
OIL CITY PETROLEUM.		
300 at	29	87 00
PEERLESS.		
1205 at	5 00	6025 00
10 at	5 12½	51 25
1150 at	5 25	6037 50
PETROLEUM CENTER.		
1000 at	01	10 00
6700 at	02	134 00
REED CRUDE.		
600 at	33	198 00
1200 at	34	408 00
1600 at	35	560 00
SAN JOAQUIN.		
20 at	8 12½	162 50
80 at	8 25	660 00
10 at	8 37½	83 75
100 at	8 50	850 00
SOVEREIGN.		
80 at	27	21 60
340 at	29	98 60
STERLING.		
1100 at	1 32½	1457 50
870 at	1 35	1174 50
700 at	1 37½	962 50
50 at	1 40	70 00
TWENTY-EIGHT.		
250 at	1 65	412 50
100 at	1 70	170 00
WOLVERINE.		
50 at	70	35 00
Shares	41,068½	Amount $29,009.41

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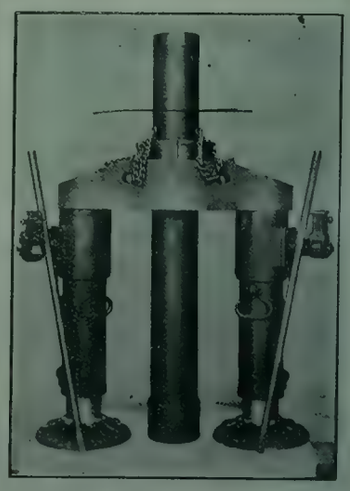

This jack is self lubricating, provided with ball bearings, giving maximum of efficiency with minimum of friction. No blocking required, as the hold of the ring and slips is absolute. Convenient to operate, light and durable. For prices and particulars address

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Its tests range from shallow water wells to a limit of 2825 feet in depth, but it is especially recommended for work under 1500 feet and can handle easily 1000 feet of casing.

One No. 4 Machine has a record of Thirty-two 800-foot holes in one year.

Made in Sizes to Suit Territory.

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We also make full line of Drilling and Fishing Tools, Reamers, Sand Pumps, Spuds etc.

STAR DRILLING MACHINE COMPANY

AKRON, OHIO.

PETROLEUM IN CALIFORNIA.

What the Future Has in Store for this Industry.

Petroleum oil has so wonderfully and so suddenly assumed a prominent position among our mineral resources, for we can assign it no other position, that the statisticians have been unable to keep pace with its development, and while its production has grown from little to much at a rate beyond precedent the demand and consumption has almost been equal.

The increase of this trade is one of the wonders of California. Yet within three years it was hardly known as an article of fuel, but within that time it has become the leading fuel of the State of California.

Though it has existed in the bowels of the earth for untold ages before the creation of man and betrayed its presence by thousands of signs in as many places its availibility was reserved for the present necessity—the requirements of the present times.

The production of petroleum oil has become a permanent pursuit—as much a business as the mining of coal or the production of gold or silver, and one that must continue to increase, but with more reliability and practical knowledge than in the past.

While we are supposed to grow wiser and more skilled by experience and the aid of science we appear to be less prudent and more excitable. The number of dupes that were fleeced by oil speculations are legion, yet the smallest amount of prudence would have saved the sharpest San Franciscan or the smartest Los Angelenos from misfortune in courting the favors of the fickle goddess called no more Fortuna, but Petrolea.

A reckless trust to chance or luck was the governing principle a year ago in making investments in oil stocks. No gambling could have been more precarious, because both Fortune, and Mercury, the god of rogues were to be waited on and trusted. More prudence and less haste might have saved many millions to the money bags of capital, but would have been lost to the barren hills of the San Joaquin valley and the hungry speculator. While part of it has been sunk in bottomless oil wells to the vision of hapless stockholders it nevertheless bore fruit, and has gone forth among the people circulating from pocket to pocket, building towns, railroads and derricks; prospecting territories, and creating oil kings from the poor dwellers of these once despised barren wastes now yclept Petrolea.

Henceforth perhaps experience and practical skill may be made useful in seeking for oil; while science, if put to the task, can unravel many of the mysteries which now seal those deep fountains of oil and gas from the eye and mind of thousands whose anxious ken would penetrate their secrets. But ordinary prudence will be sufficient, if practiced, to make the production of petroleum and gas as certain and successful as the mining of the precious metals or many other pursuits of to-day.

Those who are willing to risk a few thousands with the chance of realizing two to three hundred per cent may still experiment, as they will and with benefit to the country by new developments; but those who would invest in the business with the expectation of realizing a fair profit, will select their territory with great care and sink their wells with economy—persevering until rewarded.

There is a wide field for the business; all the unaltered rocks of California. Within the territory mentioned there are thousands of places not yet developed, where oil can and will be found with remuneration to the finder.

A cheap fuel is the greatest blessing Callfornia has received, unappreciated at present, but the great factories that will spring from it in the future will attest its benefits. A. S. COOPER.

Inventive Genius.

Inventive genius is demonstrating itself in the various appliances being perfected for the use of crude petroleum, especially for the benefit of the small manufacturer and the housewife. The high price of coal has worked equally a hardship on the small manufacturer as well as upon his larger competitor; while the housewife always finds her coal bill a source of considerable expense. The general use of crude oil among the smaller consumers will therefore rapidly increase and the production to supply that particular demand must necessarily be very large. While the universal use of cheap fuel will be of great benefit from an economic standpoint, the increased demand for the same from this particular quarter will naturally assist the impetus which is being given to the production of this king of fuels, and as a consequence will help to enhance the values of all oil securities and bring in its train great wealth to investors. A large number of companies operating in proven districts are offering at present excellent opportunities for investment, among which is the Standard Consolidated Oil and Land Company which has large holdings in the Kern River district, and when their lands are developed will join the list of big dividend payers. Stock in this company can be purchased for 20 cents per share and the same offers an excellent opportunity for investors.

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Money Invested Now In Stock of Petroleum Center Will Bring Big Returns Within Six Months

THE SUMMERLAND FIELD IN SANTA BARBARA COUNTY.

Previous to the recent strike of the Western Union on the Carreaga ranch in Santa Barbara county, the Summerland field, about four miles south of the city of Santa Barbara, has been the only field which produced any oil. This field, only five years ago had but twenty-eight producing wells, with an output of 1700 barrels yearly. In 1900 the output was 183,000 barrels, a falling off from the previous year's production of 208,000 barrels and at the present time the low price of oil has affected development in this field, and at the present time it is practically at a standstill. Development work in this field is remarkable in the wells following the dip of the anticline, which extends from the bluff along the shore out to sea, where the drilling is carried on from wharves built out into the ocean, making a submarine oil field, the most remarkable of its kind in the world. In order to reach the bedrock a large size casing called a conductor is put in, extending to a depth sufficient to shut off the ocean water, and the casing is then put down in the usual manner inside the conductor.

Along the shore line, drilling records show yellow clay to 100 feet; sand and water to 120; blue clay to 150; sand and water to 180; blue clay to 230; oil sand to 280; blue shale to 300 and oil-sand to 400 feet.

The wharves along the waterfront of Summerland present a most picturesque appearance as seen from the bluff which faces the sea. The long wharf is the Treadwell and extends out 1200 feet into the ocean; others like the Oxnard, Lillis, and Sunset vary in length from 300 to 700 feet. Permits to prospect in these waters are secured from the Secretary of War.

The first oil in Summerland was struck on Ortega Hill by Eugene Knapp about 1880, while drilling for water, but no use was made of the discovery.

The first drilling was in the bluff about 1895, and about the same time oil was found in the beach sand at the depth of a few feet S. W. Knapp was the first driller on the beach, and subsequently J. B. Treadwell built the first wharf and demonstrated the presence of a second sand, which has subsequently extended to a third and fourth.

Summerland as a rule may be considered a field of shallow wells and light producers, ranging from 150 to 300 feet in depth, and a production of from 1 to 60 barrels. Some wells have started off at a rate of 100 barrels a day, but usually drop to from 5 to 10 barrels, the normal production. As the territory permits a number of wells to be pumped on the same jack, very light producers are considered paying property. The wells increase in productiveness as they go out to sea and the best producers are at the end of the wharves.

The oil at Summerland is heavy and black and of from 12 to 16 gravity. It finds a market principally with the Oxnard Sugar Refinery at about 75 cents a barrel. The Southern Pacific Company has also been an extensive consumer of Summerland oil. Oil of over 20 gravity has recently been found in the neighborhood.

The principal feature of interest in the Summerland field at the present time is the effort of S. W. Knapp to form a combine with a capital of $2,000,000, which would include the principal producing properties. The object of such an association is claimed to be economy of management and the maintenance of price. Mr. Knapp is a prominent operator, but how far he has progressed with other companies cannot be definitely stated.

The "Western Oil News" has been merged into the PACIFIC OIL REPORTER, and henceforth the latter paper will cover the field formerly divided between the two. The PACIFIC OIL REPORTER has always been a safe and reliable authority in oil matters and is one of our most welcome exchanges.—Corning New Era.

General View of Summerland, Showing its Famous Submarine Oil Wells—the Only Ones in the World.

Reliable and Strictly Legitimate.

This or next week will very likely be the last chance for the lucky investor to buy the stock of the Standard Rock, as we understand, at 20 cents per share. After this, it is rumored, this fine stock will rise to 50 cents per share.

Considering the immense value of the lands of the Standard Rock Oil company, this advance is by no means arbitrary, as their capitalization is very low and the company owns outright 240 acres of proven lands outside of very valuable leases in McKittrick district. The oil market promises well, stock are picking up, and there is hardly any doubt but that oil will command about 40 cents or more at the wells, which would leave the producer a handsome profit on the product. The stock of the Standard Rock is non-assessable, and the company is entirely free from debt in spite of the past fearfully dull market. It is a good investment and the wise man will buy his stock when values are low.

Send $2.50 for one year's subscription to the PACIFIC OIL REPORTER and receive a 24 page pamphlet containing up-to-date, accurate, indexed maps of the Kern county oil fields. These maps give the latest data concerning all the companies operating in the Kern River, Sunset, Midway and McKittrick oil districts.

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Asthmalene Brings Instant Relief and Permanent Cure in All Cases

SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

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The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel.
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.
Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,
REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.
Dr. Taft Bros. Medicine Co.
Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted wfth this distressing disease. Yours respectfully,
O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.
Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.
Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City.

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Do not delay. Write at once, addressing **DR. TAFT BROS'. MEDICINE CO.,** 79 East 130th Street, New York City.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

Work is progressing on Sand Creek.

It is reported that the Williams company has not attempted to push its drilling since the sand-pump was sent down and came back with a satisfactory showing of oil.

Last Saturday W. J. Parker, secretary of the Bear Valley Oil and Development company, arrived in Williams with two drillers and a tool dresser and proceeded at once to the lease on the H. P. Eakle lands. With the party came a new pair of jars and an under reamer, both of which have been put into s rvice the past week.

The Chehalis Oil company has had forwarded to it a four and one-half inch string of tools in the place of the three and one-half inch string which it has been using. On September 4th the well men were putting down eleven and five-eighths inch casing. The hole was then down 165 feet and progressing nicely.

FRESNO.

The Merced is still drilling.

The Sauer Dough Oil company will soon start well No. 2.

Work on the Echo well in Warthan Canyon continues slowly.

Two more large storage tanks will be erected near Ora Station soon.

California Rock No. 2 came in this week and is a good well. This company will start No. 3 soon.

Activity continues at the camps of the California Oil Fields (Lmtd) and several loads of rig timbers, casing, etc., have been taken out by the company's teams this week.

The rig at No. 5 of the "28" Oil company burned down last Monday night. A pocket of gas was struck which caught fire from a light used in the derrick. The loss is about $1500.

Several loads of lumber and casing were hauled to the property of the Mt. Hamilton Oil company near Alcalde this week. Looks as if this company would be ready to start the drill within a few weeks.

The drill in Mercantile Crude No. 2 is down 60 feet in oil sand with lots of oil. This will be a good well and will cause other companies owning property in that neighborhood to start drilling soon.

An English syndicate has placed $20,000 in the hands of A. T. Connard with which to drill for oil one mile from Herndon, Fresno county, where considerable land has been held for oil purposes for several months.

The Fresno-San Francisco Oil company, according to information received from one of its heavy stockholders, will soon make preparations to begin drilling on its property adjoining that of the Mercantile Crude Oil company.

Blue Diamond has closed down temporarily and Supt. Wm. Sleep has gone to Grass Valley to attend a directors meeting. It is thought that it will be necessary to use drive pipe in this well to shut off water that is causing some trouble.

HUMBOLDT.

The drillers at the Humboldt who were released recently were employed by the Wild Goose and were to make every effort to recover the tools lost in this well some time ago, and which the former crew seemed unable to extricate, and if successful to go ahead with boring operations. If the tools cannot be recovered Mr. Graff thinks that the company will sink a new hole, for he says the indications at the Wild Goose are of the very best, and he is of the opinion that his company is well satisfied with the prospects. After the 1700 foot mark was reached the formation changed and from then on a broken and irregular formation was encountered, with the best of indications. Instead of going below as was the intention upon leaving Ferndale last Sunday, Prof. Watts, the mineralogist, who experted the Bear River oil lands last week, controlled by the Ferndale Oil company, and which the wealthy Major Bulwer company is thinking of leasing and developing, returned to Ferndale. Mr. Watts rendered a partial report to his people and to Director Coonan, the result of which was that it was decided to send him back to Bear River to make further investigation. Director L. P Branstetter of the Ferndale company was instructed to procure men, powder, fuse, etc., and to accompany the expert to Bear River, where the seepage found on the Peters place will be followed up and an effort made to trace it to the ledge. This will require considerable work in the way of digging, blasting, etc., but the Bulwer company state that several hundred dollars will now be spent to prosecute the research. From this it is evident that Prof. Watts' report on his return to Eureka contained something favorable to the Bear River territory.

KERN.

At the Arcola wells in Sunset flowing continues.

It is reported that the Banner Oil company will commence operations on 19, 28-28.

The Hawkeye, Kern river, will start another rig.

The Orient will soon be drilling its second well on 30, 28-28.

The Wisconsin, 24, 28-27, has a fishing job on its hands at present.

From all the oil districts come reports of resumption of operations.

The Sunset district is likely to see more development work soon.

The Western Mineral, located in the Midway district, is still drilling with first class prospects.

Occidental No 2 in Sunset overflows its casing at frequent intervals. Baling is going on at No. 1.

Maricopa No. 1 is being baled out and the company is preparing to sink its second hole in the Sunset field,

The property of the Majestic Oil company, located on 31, 32-23, Sunset, was sold last week to Jewett & Blodgett for $100.

The property of the Majestic Oil company on 31, 32-24, Sunset field, has been sold by the sheriff to Jewett & Blodgett for $100.

During August the Santa Fe bought 315 cars of oil in the Kern River fields. The whole month's shipments amounted to only 1300 cars.

Wisconsin has a very difficult fishing job in its well, section 24, 28-27. It was caused by the sand coming through the perforations and blocking the tools.

The Obispo, a Chicago company, has leased ground of the Monarch on section 2, 11-24 and is to commence development work prior to December 1st.

Mecca No. 3 is down about 500 feet and is preparing for work on No. 4. The company will prosecute work as rapidly as possible till at least six wells are complete.

The Gilt Edge company have settled with the people who levied two attachments against them and are preparing to resume operations. The well is now down 900 feet.

Kern county supervisors are preparing to vigorously defend the assessments made on oil property, a number of companies having brought suit to recover taxes paid under protest.

The Pacific Refinery company has commenced the erection of an oil refinery at Bakersfield with a capacity of from 600 to 800 barrels of refined product a day. It will be ready for business about November 1st.

The Diamond Jubilee Oil company has deeded to the California State Oil company the northeast quarter of section 2, 29-28 and all interest in leasehold of the east half of the northwest quarter of section 34, 31-23.

The Tremont, one of the Boston companies, has a very promising well on section 2, 11-24 It is not yet completed, but the sand is showing up magnificently and prospects are favorable for more than an ordinary producer.

Kern Oil No. 3 continues to flow about 150 barrels daily. Well No. 6, which made such a phenomenal record for a brief time, will not be cleaned out until the company is ready to handle considerable more oil. When the sand is removed the well will probably send quite a stream over the casing.

The Oil Land company have their drive pipe down 950 feet and the indications of oil are excellent. The drill is now in a tenacious blue clay, which is supposed to be a cap to the underlying oil sands. The tools come up dripping with oil and the gas is so strong as to make it difficult for the men to work. All feel now that there is no doubt of an early and successful strike.

The Century has had considerable trouble in drilling its first well on section 24, 28-27. Recently the derrick was burned to the ground. This was replaced and the well was about to be completed when heaving sand was met, and since that time the workmen have been trying to shut off, but have not been successful. It is thought one section of the casing has been shattered, thus enabling the sand to enter freely.

The Southern Pacific Railroad company has deeded to the Pacific Oil Company (a subsidiary corporation of the Standard Oil company) the east half of the northeast quarter of 7, 29-28, except the right of way over the same. The consideration was $10,000. The property in question is now the site of a large number of immense storage tanks, and the Oil City branch crosses the land.

The Chanslor & Canfield pipe line is completed to section 23, 32-23 and the first water from the springs several miles away was sent through this channel last week. The site selected for the distribution of the water is very favorable for covering not only the greater portion of the Midway field, but much of Sunset as well. The supply of water at the springs is said to be abundant and capable of furnishing all that will be required at the many camps in that neighborhood. It is reported that the company has secured grounds for a 35,000-barrel tank and will provide a tankage of this capacity.

MONTEREY.

The attempt to strike oil at the Nacimiento having so far resulted in failure, it is reported that a more thorough test to get oil on the Nacimiento is to be made. It is expected that the company will start their drill again in about a week.

NAPA.

The well of the Calistoga Oil and Development company is now in a formation of blue clay.

ORANGE.

Santa Fe wells 27, 28, 29, 30 and 31 are all drilling in various sands from the extremely light grade found in the far-

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Capital Stock 300,000 Shares **Par Value $1.00 per Share**

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WORK HAS COMMENCED Well No. 1 is now almost completed and is in oil.
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thest east (28), through the medium grades of 27, 29 and 30 to the heavier sand found in 31 and other westernmost holes.

Columbia well No. 13 is now drilling in the sand at a depth of about 1200 feet.

The location of the new Santa Fe well is just below and east of the two Columbia wells now being sunk on territory leased by the latter company from the Union. In both these holes excellent indications have been encountered, so that a good well may be reasonably expected.

The Fullerton company has decided to temporarily suspend operations in the drilling line and has reduced its working force to the two pumpers required to keep this company's four or five wells pumping. A good pumping jack and engine are one of the recent additions to the plant on this lease.

Well No. 21 on the Santa Fe lease still continues to put out a large amount of light oil, and, taken all around, must be considered one of the best wells ever struck in this field. Two other wells (32 and 36), are being put down by the same company in the canyon just above old 21. A bad fishing job has just been ended by the successful finding of the lost fourteen-inch bit, and drilling is now going on with every indication of a successful ending.

Work will be begun soon on a new rig (No. 37) for the Santa Fe company, out on the western end of their territory and close to the old Lytle well, the site of which belongs to the former company. The old well is still as it was when abandoned, casing, tubing and rods still in the hole. Little or no gas issues from it, but large brea deposits, telling of the power of the confined gas in years gone by, surround the well on every hand. It is said that the old well was making about ten barrels when abandoned, and is still good for a like amount.

KERN.

Perseus No. 1 is down 500 feet.

The Sterling is drilling its No 1 to a greater depth.

The Bald Eagle Consolidated is rigging up and will begin sinking its first well on section 30, 28-28 at an early date.

The Indiana is making good progress with its first hole, which was spudding in last Wednesday.

The Continental has decided to steam up and pump three of its wells to their fullest capacity.

The Oregon Midway, section 8, 32-23 has struck a good strata of oil in its No. 3. This well and No. 2 will be completed after which work on No. 1 will be resumed.

The Potomac is preparing to pump three of its wells on section 29, 28-28 and will, before the last of November, have three or four strings of tools in operation. The company has succeeded in making several good contracts at a good figure and now has another in view, which, if concluded, will show a marked increase over the price heretofore received. The Potomac was formerly known as the Eastern Star.

The Peerless on section 31, 28 28, has one string of tools in operation and has let the contract to erect ten derricks to Kidd & McCally, three of which are to be built at once and the other seven will be constructed before January 1st. The Peerless owns the SE¼ of the section and has demonstrated it to be a very valuable holding. Work on the ten new wells will begin at once and will be pushed until all are completed.

The Oil Land company located on section 11, 29-21, has succeeded in getting through the heaving sand which has caused considerable trouble and is now going through a strata of tough, sticky clay. The company has recently met with several favorable indications and feel confident that it is now nearing the oil sand. It expects to complete the well some time during the present month. This is the well originally started by the Diamond Oil company.

The Cuban is preparing to sink a well on its lease on section 19, 28-28.

The Miller company is soon to begin sinking a well on the southwest quarter of section 23, 32-23.

Chandler & Canfield has made a significant strike on section 4, 31-21. Although the oil sand encountered is not very extensive, the oil men are generally jubilant over the new find. This well is situated about three miles directly south of McKittrick station and opens up a large area of land that has up to this time not been proven. The 1901 company, on section 34, 30-22, which is located a mile to the northeast, has oil in paying quantities.

Monte Cristo, No. 16, which was brought in a few weeks ago, is still flowing at the rate of 600 or 700 barrels of oil daily. No. 12 which made a record as a gusher, stopped flowing about three weeks ago and since that time has been on the pump and is still contributing 250 barrels of oil daily to the company's storage tank. The company has seven wells on the pump and expects to resume pumping the others at an early date. No. 19 is about completed, the derrick for No. 18 is soon to be finished, and workmen are now erecting the derrick for No. 20.

SOLANO.

After a suspension covering a period of nearly two weeks work has been resumed on the well of the Vacaville Oil company and the latest reports show that the drillers have finally succeeded in shutting out the salt water which has been bothering them for the past three months.

At a recent meeting of the directors of the Vacaville Oil Company it was decided to ask each promoter to subscribe the sum of $50 for the purpose of pushing the well on to completion. Every promoter with the exception of one complied with the request. A depth of 1260 feet has been reached in the Vacaville oil well and the drillers seem satisfied that the indications are good enough to encourage further work. A new formation resembling soap sand was struck Thursday. It has traces of oil and nearly every time the well is bailed out gas arises with greater force than before.

SANTA BARBARA.

The water supply from the Occidental tunnel has been shut off in order to permit of some necessary repairs to the pipe.

Drilling in southern Santa Barbara County includes two wells, one 800 feet deep at Carpenteria, where a San Francisco company is drilling, and another 700 feet deep at Goleta, where a Chicago company is at work.

The Western Union Oil Company will build a 1000-barrel tank on its land near Santa Maria to store the oil from its wells. The oil is said to be better than 20 gravity, and it is but a short distance from the Pacific Coast Railroad running to Port Harford, and is but twelve miles from the ocean.

The two evaporating pans at the Summerland asphalt works have been fitted with condensers and the fumes arising from the stewing oil will be forced into the furnace and utilized as fuel. This will do away with or greatly diminish the highly offensive smell that now emanates from the factory.

A strike of light gravity oil was made a few days ago at Loon Point, near Summerland. It was made by J. W. Church-ill the pioneer driller of this section. The well is on the property of the Churchill-Weber Oil Company and is an ocean well. It is the deepest well in the field, being down 650 feet. It is 350 feet off shore and runs through the ocean from a wharf. Oil was struck in sand after the drill had run through a 250 foot stratum of shale. The casing is a small one, but it will be run down at once into the sand. Mr Churchill expects to go considerably deeper.

SAN BENITO.

Carpenters will begin putting up derricks for the San Benito Crude Oil company before many days.

The World Oil company is down nearly 900 feet and the drillers are confident of striking oil very soon.

The Hollister Petroleum Development company has drilled 510 feet. A great quantity of gas is being encountered.

The Calistoga Oil and Development company have resumed drilling after a short delay and are now down over 1000 feet. The indications continue to improve with depth.

The Gilroy Oil company concluded negotiations this week for the purchase of a standard rig. It had been originally sold in Mendocino county to a company which collapsed before a derrick was placed in position. It was then thrown back upon the manufacturers who sold it to the Gilroyans at a sacrifice of $1000. It will be shipped here in about two weeks and the work of boring wells will be immediately begun. This will be gratifying news to the many persons who are interested in the development of our local oil field.

SAN BERNARDINO.

Magnetic Oil company, drilling near Victor, has abandoned its first well on account of water, and will drill another hole 600 feet from the first.

MARIN.

The Bolinas Bay Oil company is down 1715 feet, the casing being down 1705 feet. Several barrels of 32 gravity oil comes in daily. The prospect is good for a big strike.

CONTRA COSTA.

The J. Downey Harvey well is now down about 1,000 feet. All attempts to shut the water off have thus far failed. Drilling is still progressing.

SAN MATEO.

The San Mateo County Oil company, of which J. H. Tschudy is president, sent a rig this week to the company's holding on the Bell ranch near Gregario.

Dr. A. E. Neumeister, President of the Bella Vista, reports the well down 919 feet, and in blue clay strongly impregnated with oil. They expect to strike oil in another 200 feet.

LOS ANGELES.

The Warner Oil company is completing the rig for No. 6.

The Turner Oil company has just completed a large tank house.

The Home Oil company is making slow progress with No. 13, its latest new well.

The Western Star Oil company is to resume operations during the present month.

Contractor C. L Keiser, who is drilling No. 2 for the El Moro Oil company has resumed work after waiting a number of days for a new string of casing.

The East Whittier Oil company is down nearly 1300 feet with No. 2, but has experienced some delay because of the necessity of pulling the casing.

The Whittier Oil and Development company has succeeded in casing off the lost hit that has caused so much trouble and is going down with a 5⅝ hole.

The Raymond Oil company began pumping its deep well on section 25 this week, but it is impossible as yet to give any statement regarding the amount of production.

The Whittier Fillmore Oil company is down nearly 800 feet, with the well being drilled on the Tubbs Ivan property recently purchased. The indications are good, but there is at present some water in sight.

The Whittier Crude Oil company is working on No. 5, the well which was put down some 500 feet by the company before arrangements were made with the Tramptons to develop the company's territory.

The North Whittier Oil company is down nearly 1000 feet with well No. 2. Progress is slow. The conglomerate formation causes no end of trouble. Recently it was found necessary to double a length of heavy drive pipe through which the boulders had worn a hole.

VENTURA.

The P. O. & L. Co. are about to begin well No. 5.

The St Louis Oil company will begin operations soon in Tom's Canyon.

The Montana Oil company are preparing to put down another well on Willmer Aker's place in Sespe Canyon.

Charles J. Millard and Gilbert Webb recorded a quit claim deed from N. O. Say et al. to 146 acres known as the Syracuse oil claim, consideration $1, and also a deed from N. O. Say et al to the oil claim known as the Rex Nos. 1 to 7, all in the Little Sespe petroleum mining district, consideration $1, a third deed was recorded by Messrs. Say and Webb from E. S. Hall et al to the oil mining claim known as the Rex M, 160 acres also in the Little Sespe petroleum mining district; consideration, $1.

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References: San Francisco Banks.

Authentic information furnished regarding any oil company in the State of California.

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Capital $500,000
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Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns president Wm E Stevens, vice-president; F J Brugiere secretary and treasurer, Samuel Hubbard, J F Mc Carthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALISTOGA OIL AND DEVELOPMENT CO
500,000 shares par value $1
Operating on 2320 acres located in Napa Yolo Fresno, San Benito, Monterey and Kern counties Officers: L D Hitchcock, president, R B Todd vice-president and manager, B F Edwards secretary; J M Caselman, treasurer, Dr H G Thomas and Dr E J Boyes San Francisco National Bank, depository Office, 23 and 24 Merchants Exchange, San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital $150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CARIBOU OIL MINING COMPANY.
Capital $100,000
100,000 shares at $1.00.
130 acres in the Coalinga district, Fresno county
Officers and directors—John Moss, President, Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.
Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.
Capital $1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

EL MEDIA OIL COMPANY. Incorporated under the laws of Arizona, January 2, 1901. Capital, $500,000. Number of shares, 500,000. Lands, 160 acres in McKittrick district. Officers and directors: President, John Arthur Drinkhouse; vice-president, Ralph E Grover; secretary and treasurer, George M Wilcox; George M Flint, George W Austin, George Quarre, Piero Rossi; Hon E E Ellinwood, Arizona Representative; O C Pratt, attorney; depository, California Safe Deposit & Trust company. Office, 322 Safe Deposit building, San Francisco. There are 250,000 shares of treasury stock, of which a limited number are now offered at 25 cents per share, subject to advance without notice.

FOREST CITY OIL COMPANY. Incorporated January, 1901. Capital, $500,000. Shares $1.00 each. Officers and directors: Nestor A Young, M D, president; George M Stevens, vice-president and general manager; Frank Records, secretary; Central Bank, treasurer; T L Ball and C C Carver. Stock full paid and non-assessable. Holdings are absolutely certain oil territory. Well No 1 completed and pumping. Offices, 229-231 Laughlin block, 315 South Broadway, Los Angeles, Cal.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital $250,000
250,000 shares at $1
125,000 shares of treasury stock,
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

HECLA OIL COMPANY. Incorporated under the laws of Arizona, March 12, 1901. Stock absolutely non-assessable. Company owns 160 acres of choice oil land in the Sunset Oil district, Kern county, California. Capital stock, 1,000,000 shares; Par value $1.00 per share. Officers and directors: Dr F E Fletcher, president (connected with the Calumet & Hecla copper mines for 23 years); Capt John H Marshall, vice-president; Chas L Warfield, secretary, Perle M Johnson, treasurer; Patterson Sprigg, attorney. Office of the company, room 20, 1015 Fifth street, San Diego, California.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

MONTEREY OIL DEVELOPMENT CO
Capital $1,000,000
[illegible] shares at $1 each
Location [illegible] Fresno county [illegible] San Benito county [illegible] acres Monterey county [illegible] acres.
Officers Dr J [illegible] president [illegible] vice-president [illegible] secretary D J Boughton treasurer Bank of Monterey depository Office at Monterey city Cal

ORIENTAL OIL COMPANY Capital [illegible] shares at [illegible] Location Kreyen [illegible] Kings county Officers [illegible] president [illegible] manager Office, [illegible] Parrott [illegible]

OCCIDENTAL OIL CO OF WEST VIRGINIA
Capital stock 600,000 shares par value $1 00
Officers Wm Crites president F M Graham vice president J B Batz treasurer C F Hallstone secretary, T I Moran manager, Kern Valley Bank Cal Depository
M R Goldberg, 45[illegible] Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA
Capital stock 600,000 shares par value $1 00
Officers—Wm Crites president F M Graham, vice-president, J B Batz treasurer, C F Hallstone secretary T I Moran, manager Kern Valley Bank Cal, depository
Mestellar & Allen, San Francisco Agents, 346 Parrott Bldg Telephone Jessie 1683

POTOMAC OIL COMPANY Capital stock $2,500,000 Par value $1 00 Has 2,000 acres in Kern, Los Angeles and Summerland fields with 2[illegible] producing wells Officers and directors P V Schermerhorn, president C H Ritchie vice president R D Robinson secretary and treasurer, D M Schermerhorn and W S Morton Principal office Potomac building, Los Angeles, Cal Tel John 2281

SALINAS OIL AND DEVELOPMENT COMPANY Capital, $1,000,000 1,000,000 shares at $1 00. Land in Monterey county Officers and directors: President, W N McCarthy San Francisco, vice-president, J I Gunn Independence; treasurer, Wm N McCarthy; secretary J B Olsen, San Francisco, superintendent, Jno C Quinn C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco Office, room 573-574 Parrott building, San Francisco.

SURETY OIL COMPANY
Capital $600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary, D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital $500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital $300,000
Treasury stock $150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal.

U. S. OIL AND MINING CO.
Capital $300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

USONA PETROLEUM COMPANY. Capital, $500,000. 500,000 shares at $1.00 each. Incorporated under the laws of California. Location 140 acres Midway district, Kern county, leased from Bay city, being 60 acres in N½ of NW¼ section 22, 32-23, and 80 acres S½ of SW¼, section 4, 32-23. Officers: Geo W Turner, president; Geo Hansbrow, vice-president; E N Sewell, secretary and treasurer; W R Stammers, manager; H W Merritt, J H Dorn, W W Hutchinson; Maurice V Samuels, attorney; Union Trust company, depository, Office, 301 Safe Deposit building, San Francisco.

WILD GOOSE OIL COMPANY
Capital $[illegible]
[illegible] shares at $1
Location [illegible] Humboldt county
Officers Claus Kroeger president A F Coffin vice-president [illegible] N H Eaton, [illegible] secretary
Office [illegible] Pine street, San Francisco, Cal
Telephone Main [illegible]

WALDORF OIL AND ASPHALT COMPANY Incorporated [illegible] Capital [illegible] shares at [illegible] per share Place of business Hanford Cal Headquarters at [illegible] Location of lands [illegible] Santa Barbara county Cal Officers and directors Geo B [illegible] president Hanford Dr N F Duncan vice president Hanford [illegible] Hickman treasurer Hanford Wm M Madden attorney for company San Francisco W H Warswick field superintendent Hanford F [illegible] Hanford [illegible] Hanford L S Chittenden Hanford W H Warswick Jr Hanford Jas Manasse secretary

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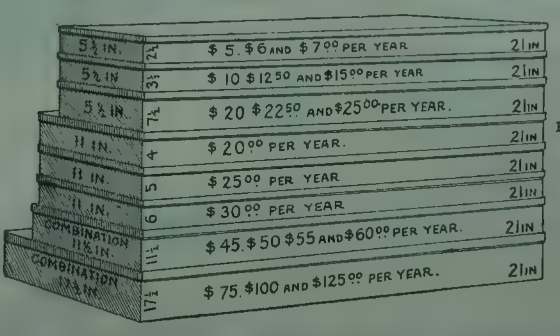

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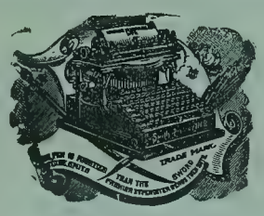

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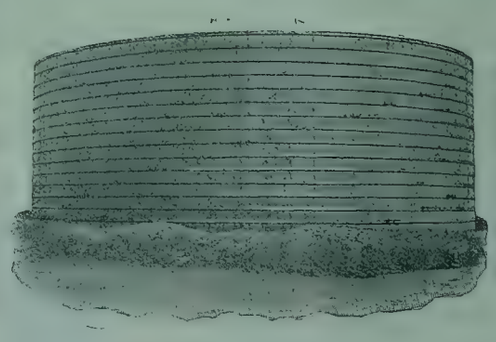

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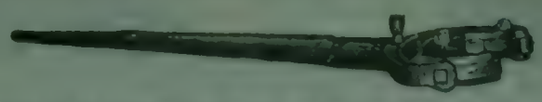

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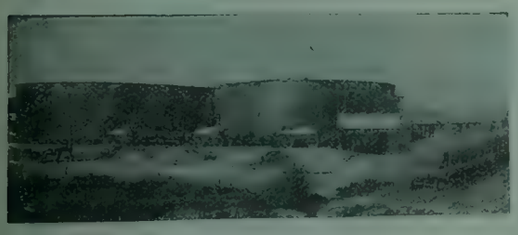

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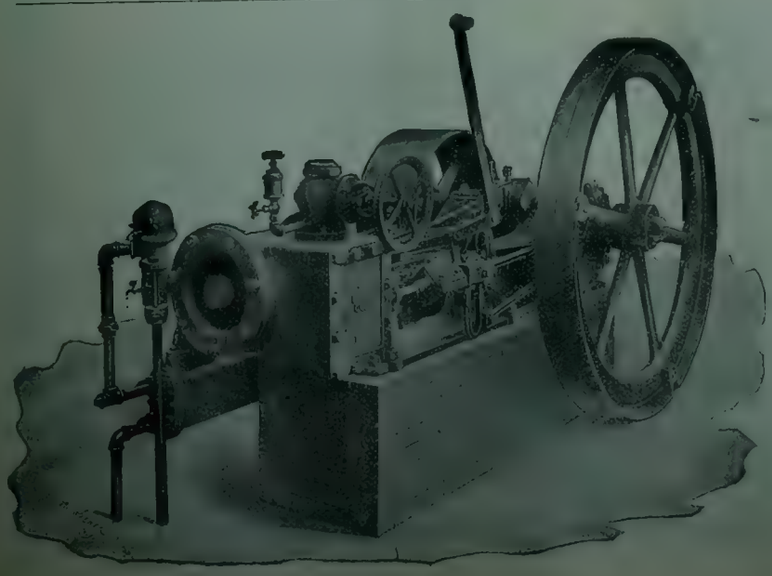

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(5) The Concession includes a grant of 400 meters in every nautical mile on both the Atlantic and Pacific Coast of Costa Rica which it may need for its business, not otherwise occupied. This means new ports, townsites and wonderful development-opportunities—all of immense profit value to the Company.

(6) The Company owns its land outright and original deeds can be seen at the office of the Fiscal Agents at 326 Post St., San Francisco, certified to by the President of the Supreme Court, the Minister of Justice, the Minister of Foreign Relations and the American Consul in San Jose de Costa Rica. This land is best tropical agricultural land and contains thousands of wild rubber trees, valuable woods and other natural treasures. The Company may work it itself or lease it to others for plantation purposes.

(7) The management is in excellent hands, comprising prominent business men and bankers of America and Europe.

(8) The stock is now only 25 cents per share, but will soon advance to 50 cents or more. $5 per share is a possibility before long. Only a limited number of shares still to be sold.

The Concession of the Costa Rica Petroleum & Coal Company was published in the "Gaceta," the government organ of Costa Rica in the issue of July 24, 1901. The "Gaceta" can be seen in every Costa Rican Consulate throughout the world. The San Francisco Consulate of Costa Rica has received instructions from His Excellency, Dr. J. B. Calvo, Minister from Costa Rica at Washington, to give all official support to interests of the Costa Rica Petroleum & Coal Company.

See reports of CARLOS IGLESIAS, M. E., (brother of President Iglesias of Costa Rica.)
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VOLUME 2 NUMBER 46

PACIFIC OIL REPORTER

SAN FRANCISCO CAL., FRIDAY, SEPTEMBER 20, 1901

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These maps show the location and holdings, wells, etc., of every company operating in the following districts:

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Sunset Oil District

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PACIFIC OIL REPORTER

VOL. 2, NO. 46. SAN FRANCISCO, CAL., FRIDAY, SEPTEMBER 20, 1901. PRICE, TEN CENTS

IN KERN COUNTY.

Producers' Combine Progressing—Work in Sunset—The Standard Oil Company.

There are twenty drilling wells and rigs representing active operations in the Sunset field, to say nothing of the ten or a dozen wells upon which operations have been temporarily suspended, either on account of the intense heat of the past summer, lack of water, or pending the completion of the Sunset railroad. All of these have been potent factors in determining the amount of work in the Sunset field during the past few months. Several wells have been shut down because of the awful expense in getting water with which to drill. Some contractors were paying $900 to $1100 a month for water, and were forced to cease operations, at least while it was so hot that ordinary progress could not be made. Then the cost of transportation has had a deteriorating effect. Sunset, it is safe to say, is the most prolific field in the state, but its inaccessability has held it back. When the railroad is completed it is confidently predicted by the oil men of the field that operations in this district will receive a sudden impetus. According to the conditions this is the most active field in the state today. In spite of its drawbacks it has twenty drilling wells and rigs as follows:

35, 12-24 Col. & California Oil Co. No. 2.....500
35, 12-24 Jewett, Blodgett & Beal No. 3..... sand
35, 12-24 R yal Sunset Oil Co. No. 1. .....sand
2, 11-24 Tremont Oil Co. No. 1.....sand
2, 11-24 Arcola Oil Co. No. 1.....drg
2, 11-24 Arcola Oil Co. No. 2.....drg
2, 11-24 Dirigo Oil Co. No. 1.....drg
2, 11-24 Occidental Oil Co. No. 2.....[illegible]
2, 11-24 Occidental Oil Co. No 3.....drg
2, 11-24 Occidental Oil Co. No. 4.....rig
1, 11-24 Maricopa Oil Co. Nc. 2.....rig
12, 11-24 Sunset Consolidated No 1 . . drg
7, 11-24 Germania Oil Co. No 1 . . . drg
21, 11-24 Western Mineral Oil Co. No 3. . . . drg
20, 32-24 Crump Oil Co No 1 . . drg
13, 11-24 Queen Oil Co No 1 . . drg
13, 11-24 Sunset Diamond Oil Co. No 2 . rig
34, 12-24 Acme Oil Co. No 2 . . rig
7, 11-24 American Girl Oil Co. No 1 . . . . drg
28, 32-24 Superior Extension Oil Co. No 2 . . drg

The railroad is completed to a certain point on the lower edge of the lake about eight miles from Sunset, and will probably not be open for traffic for close to two months. It is expected that at that time operations will be resumed by the following companies: American Boy, Rinconado, Washington, Kern Sunset, Sunset Center, Meridian, Tiger, Vesuvius and Lyon.

At Bakersfield the general feeling is much improved over a month or two ago and the tendency is toward renewed activity, though not on as lively a scale as last winter. There seems to be a more hopeful view taken of the general outcome of things and the policy of the producer is to hold on to his production for a higher price. There is considerable quiet talk about the success of the proposed combine, but it is extremely doubtful if the scheme will prove a success. Only the companies in on the ground floor, that is those which will profit directly by the combine are advocating it. Others can see no way in which they will be benefitted by going into it. The proposed plan is regarded as neither fair nor just. The promoters circulate the statement that information regarding companies was cheerfully given the appraisement committee and this fact speaks well for the success of the undertaking, but they have failed to see it as the other fellow sees it. The small producer says: "I have a good piece of property; it can do me no harm to give the information sought, in fact it may help me: but if they they think I am going to barter away my birthright for a pottage, they are very much mistaken." The writer has talked with a number who are expected to go into the combine who have expressed themselves in practically these words. One gentleman who spent two weeks in the Kern field for the combine says Mr. Porter's dream will never be realized. Some ask no further excuse than they are opposed to making rich the promoters at their own expense. If a transportation company pure and simple were proposed they might go into it as stockholders, but they have premonitions and visionsof freeze-out so much talked of in such organizations.

In the meantime the Standard Oil company goes on quietly perfecting its plans and in due course will control the market. That is inevitable. The handwriting is already on the wall, and some of the producers who refuse to go into the combine can see it. The Standard continues putting up new tanks as fast as material can be procured and it will fill them with oil at the best price it can make. When the Standard gets a million barrels or more of oil in storage, look out for an advance in the market price. The Standard will find a market too, depend on that. That's the Standard's business, and in it, it is a post graduate. Simply history repeating itself. Comparatively a few years ago Ohio stood in California's present predicament—plenty of oil and no market. The producer was between oil and hades; they had developed at great expense a prolific field, but were told that their product was valueless, neither good for refining nor for lubricating purposes, and worse than all it had a beastly odor to condemn it.

Well, when the Standard Oil company was satisfied that the oil was there, it entered the field, just as it has in California. Oil that was being sold only brought 12 and 15 cents a barrel. The Standard built tanks, some of these very tanks now being erected at Kern, and soon had more than a million barrels stored. A use was found and a market established. Today Ohio has an established, sturdy market, and is selling at 91. Ohio had some big wells, the Harris doing 10,000 barrels a day. California has no big well and very few doing 500 barrels a day, though the number of 200 and 300 barrel wells is far above the average of fields. California made a sudden, wild rush and in a few short months congested the market, and the result was inevitable. The outlook is not discouraging; rather the future is bright and hopeful. California already has found a use for its oil and the consumption is rapidly increasing from 919,000 barrels shipped out of Kern in 1900 to almost 1,500,000 shipped the first eight months in 1901. The producers begin to realize that in the natural course of things the oil business of California will right itself as it has done everywhere else, and that the only thing for them to do is to be patient and not sell themselves.

Now that the hot weather is over old familiar faces are daily bobbing up serenely at Bakersfield and the indications are for a good winter business. New work is being daily projected, and those in position to count the pulse report favorable symptoms for a fair resumption of field operations.

It is rather amusing, though, to oil men who are familiar with the fields to peruse the Los Angeles Herald's so called monthly oil report. It is so thoroughly unreliable as to be laughable. Its report of operations in Kern county is so far from being correct that it cannot be taken as an approximate guide. The Herald should either exercise some care in preparing its report or else drop it altogether. Statistics to be of any real value should be at least approximately correct.

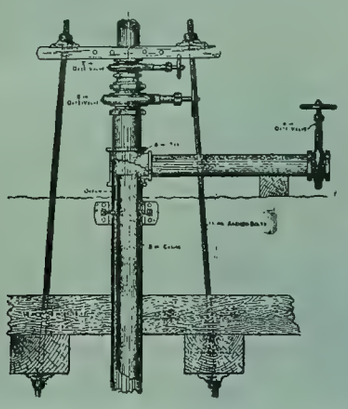
Hauling Oil in Sunset District before Advent of Railroad.

CAPPING THE LUCAS GUSHER.

How Valves Were Put On and the Flow Shut Off.

When the Beaumont gusher was struck Mr. Lucas was flooded with telegrams, letters and personal applications from parties proposing to undertake the closing of the well, at large rewards, says an exchange. Some of them wanted cash down, from $30,000 to $100,000; whilst others would not divulge their proposed methods until paid; and some, again, submitted their plans for consideration; most of them were cranks, but a few had very sensible ideas. Mr. Lucas, however, decided to give the first opportunity to his contractors, Messrs. Hamill Bros., and after suggesting certain modifications he adopted their plan.

The apparatus consists of a carriage, anchoring an 8-inch gate valve against upward movement;



below the valve a short nipple with an 8-inch tee was attached. The whole apparatus was launched against the column of solid oil. This constituted the critical part of the operation. But since the oil was spouting through a 6-inch pipe, and the main outside casing was 8 inches in diameter, the new 8-inch valve, if successfully placed over and connected with the 8-inch casing, would permit the stream to go on flowing with 1-inch "play" all round it, so that the flow would not be checked by this part of the operation. The result was satisfactory, notwithstanding the violent impact of the oil column, the carriage was successfully placed over the well, and the valve was drawn down with the aid of bolts, until the tee could be screwed into the 8-inch casing.

This accomplished, the oil was freely flowing through the open 8-inch gate valve, and the next step was to insert into the tee outlet a piece of 6-inch horizontal pipe, with a 6-inch gate valve at the end. After bracing the 8-inch valve as firmly as possible, it was gradually closed, and the stream diverted into a horizontal direction. The oil being thus carried aside gave the operators an opportunity of digging round the well, in order to secure foundations for an anchorage, which would effectively hold down both the valve arrangement and the casings. Oakum was now packed tightly between the 8-inch and the 6-inch casing, a heavy wrought-iron clamp placed around the former, and the 6-inch pipe, by means of strong set-screws, secured against any possible upward movement. Finally, by closing the 6-inch gate valve on the horizontal pipe, the flow of oil was entirely cut off. This was done after the well had been flowing for nine days. The pressure after shutting down, as determined by a gauge connected with the tee, proved to be 104 lbs. per square inch, or considerably less than had been inferred from the violence of the stream.

EASTERN ASPHALT.

How the Combine is Preparing to Crush Competition.

In view of the increasing interest in asphalt in California, the following points from an Eastern paper in regard to the trust will be of interest.

The recent award of municipal paving contracts in New York to the Warner Quinlan Asphalt company and the magnitude of the work involved is believed by many connected with the asphalt industry to be the outcome of some form of agreement between the National Asphalt company and its competitor, the Warner Quinlan company.

While this agreement is said to be only for working purposes temporarily, it is supposed to have been arranged with a view to bringing about greater harmony in the distribution of a part if not all of the territory in the United States. If this plan proves profitable it may result in the absorption of the Warner Quinlan concern by the National.

The National Asphalt company embraces about twenty or thirty subsidiary organizations which were absorbed when the Asphalt Company of America, the former combine, practically ceased to exist.

Of these companies, the Barber Asphalt company is one of the largest, and four-fifths of the street paving with sheet asphalt in New York is awarded annually to this corporation. With the resources at its command it is not doubted but that it would have much influence in preventing a rival concern, such as the Warner Quinlan, from securing a portion of its territory.

While the award made to the new concern is only one-fifth of the whole amount of paving to be done in Manhattan, the contracts are worth over $200,000, which, with such prestige and advertisement as the company will secure in consequence, makes the deal of considerable value.

An official connected with one of the companies said today that the recent litigation began in Venezuela by the Warner Quinlan company cost that corporation at least $30,000, which, together with the $40,000 paid originally for the unguaranteed claim on the asphalt of that country, had caused the National Asphalt company to expend almost a similar amount to protect the interests of the combine.

While the litigation is still pending, the attorneys of both concerns have returned to this country and a truce has evidently been declared. This is also alluded to as further proof of the new agreement.

The Warner Quinlan company came into prominence some months ago when it received a municipal award for repairs in the city of Buffalo. Then Washington became the field of operations, later Chicago, where it has done considerable work, and finally it has secured a foothold in New York.

Some time ago an effort was made to enter Philadelphia, and it is known that the Warner Quinlan company was the lowest bidder for the paving contract in that city. The dominant party is controlled by John Mack, the reputed owner of the controlling interest in the National Asphalt company. Mr. Mack's corporation is known in Philadelphia as the Vulcanite Paving company, and year by year the award is made to this concern despite the efforts of lower bidders.

When the Warner Quinlan company made a proposal for asphalt Paving in Philadelphia so much lower than the company which secured the contract, the rival corporation decided to carry the matter into the courts, but, notwithstanding the excellent opportunity offered, suddenly withdrew from the contest.

The fact that no attempt was made to fight is believed by many to be additional evidence that the Warner Quinlan company received assurances of an agreement that would be satisfactory.

The fact that the Warner Quinlan company has raised its prices to the standard maintained by the combine appears to strengthen the belief that the working agreement sooner or later will be replaced by actual absorption, under the control of the National Asphalt company.

Kern River Tankage.

The Standard Oil Company continues its building of tanks in the Kern River field. Thirteen of the tanks are filled up, and this signifies that there is already in storage on the company's ground not far from from 450,000 barrels of oil. Tank No. 14 is about completed, No. 15 is more than half up, and Nos. 16, 17 and 18 are well started. Grading is now in progress for twelve more, and it is reported that work will be continued until forty-eight tanks of the same capacity are fully completed. With these all finished, the company will have a storage capacity of 1,680,000 barrels.

The Union Oil company is not to be lost sight of. It will add to its present tankage capacity by building another tank, with 35,000-barrel capacity.

Other companies are taking steps in the same direction, and providing additional facilities for oil, and the Standard is not alone in this work. The Central Point Consolidated is another company that is increasing its tankage. It will build a 35,000-barrel tank, and as a site has selected some ground on the Red Bank lease.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED Well No. 1 is now almost completed and is in oil.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

SUIT OVER LEASES.

Owners Demand Cancellation of Contracts.

C. S. Young, F. R. Pitney and O. B. Phelps have appealed to the superior court to straighten out a tangle in which is enmeshed the land described as the SE¼ of 14, 28-27, by filing suit against the Lincoln Oil company, the Kern Valley Oil company and the Union Hardware and Metal company.

According to the Californian the plaintiffs are the owners of the property in question. The title stands in the name of C. S. Young. On November 16th, last, the oil land was leased to the Lincoln Oil company which in turn sub-leased to the Kern Valley Oil company, the NE¼ of the property. It is claimed that the Lincoln company failed to fulfill the terms of agreement under which the lease was given as drilling on the land was stopped on the 9th day of May last.

Besides this, according to the complaint, the property was not kept free of debt and is now under attachment by the Union Hardware and Metal company to obtain judgment for money alleged to be due for supplies furnished. The court is petitioned to declare the lease null and void and to hold that the Kern Valley company has no right to the sub-lease as it was given by a company which had forfeited the right to hold the land under the first lease. It is held in the complaint that the Union Hardware and Metal company had no right or interest to the land because of the debt owing the company by the Lincoln Oil company. Adams & McClure, attorneys for plaintiffs.

BIG DIVIDEND PAYER.

Over Half a Million Paid to Stockholders of California Oil and Gas Company.

On Saturday last the California Oil and Gas Company of the Coalinga district paid its fourth dividend. This company was organized about two years ago and was capitalized for $2,000,000. The company originally owned 4620 acres surrounding the famous Home Oil Company's property. Some months ago the California Oil and Gas Company sold 4300 acres at a flat rate of $200 per acre. The company that bought this property is known as the California Oil Fields, Limited, an English corporation. The sale was made largely through the instrumentality of the firm of Balfour, Guthrie & Co. of this city.

Since the California Oil and Gas Company has been organized it has paid four dividends, viz:

Dividend No. 1 of 50c per share.	$100,000
Dividend No. 2 of 75c per share.	150,000
Dividend No. 3 of 75c per share.	150,000
Dividend No. 4 of 70c per share.	140,000
Total	[illegible]

The company has still 320 acres of splendid oil lands remaining in its possession and intends to develop this property in due time.

The main shareholders in this company are General W. H. H. Hart and William Graham. General Hart is President of the Hart Crude Oil Company, which has developed two magnificent wells in Kern County in the section owned by the company. Mr. Graham is superintendent of the California Oil Fields, Limited; superintendent of the California Oil and Gas Company, and managing director of the Hart Crude Oil Company.

The California Oil and Gas Company is practically a close corporation, the shares being held by only a few persons, General Hart and Mr. Graham being the largest holders of stock in the company.

Texas and Taxes.

Beaumont oil operators are indignant over the recommendation of the governor that the gross output of their oil wells should be subject to an annual tax of two per cent. Texas is but repeating the experience of other states where oil has been discovered In the opinion of the Derrick the average legislator is always prone to regard a new industry of this nature, in which fortunes are reported to be made so easily, as a subject for taxation. He never stops to think that a tax of this kind is no more justifiable than a tax on the cotton, rice or wheat crop. The oil producer is entitled to the same protection that is afforded producers in every other industrial line. Suppose a proposition was brought up before the present legislature to place a direct tax of two per cent upon the gross amount the growers receive for the season's cotton crop. Does any man believe that it would muster a single vote or even receive the respectful consideration of the intelligent legislators.

No greater blow could be levied at this new and growing industry. The southwest sees in the new product a chance to develop its manufactures through the means of the cheaper fuel that the Beaumont oil field is ready and anxious to put upon the market. The state would at once place a damper upon the future prospects of both producers and manufacturers by levying such a tax.

Any tax on production is in the nature of double taxation. The lands and oil wells of Texas will pay their share of the taxes through the regular channels now made and provided by law. The oil property at Beaumont and Corsicana will not escape the notice of the tax assessors. Increased valuation of the lands brought about the discovery of oil means increased revenue to the county and state. The proposition to tax oil production is totally unjustifiable and contrary to the fundamental principles of our form of government.

ASTHMA CURE FREE

Asthmalene Brings Instant Relief and Permanent Cure in All Cases

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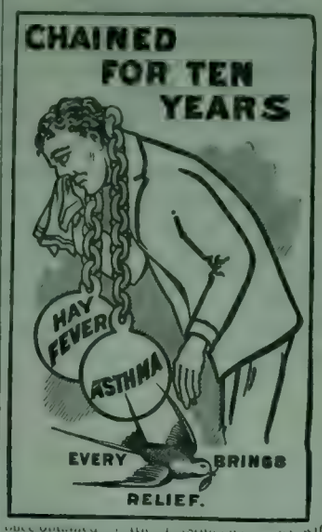
WRITE YOUR NAME AND ADDRESS PLAINLY



There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel,
New York, Jan. 3, 1901.

Drs Taft Bros'. Medicine Co.

Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful.

After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,

REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.

Dr. Taft Bros. Medicine Co.

Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at [illegible] my wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease. Yours respectfully,

O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.

Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City.

TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

Do not delay. Write at once, addressing **DR. TAFT BROS'. MEDICINE CO.,** 79 East 130th Street, New York City.

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Philippine-Oriental Commercial Company

Offers for a short time some of its capital stock, and calls attention to the following facts:

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2. The company will engage in transportation business.

3. It is under American control. Its incorporation under the laws of South Dakota insures the stockholders against personal liabilities for debts.

4. There is no promotion stock. Every dollar paid in goes into commerce and comes back in dividends.

5. Its management is in the hands of good business men.

For full particulars call at the company's office,

Room 44, Parrott Building

SAN FRANCISCO, CAL.

Telephone, South 492.

PACIFIC OIL REPORTER

Published Weekly

The Oil Authority of the Pacific Coast.

Endorsed By the California Petroleum Miners' Association.

W. B. WINN, Editor and Publisher

OFFICE AND EDITORIAL ROOMS

318 Pine Street, San Francisco

Telephone, Bush, 176

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, SEPTEMBER 20, 1901.

A Fallen Monarch

No paper published in this state since pioneer days has had put upon it such a mark of popular disfavor as the Examiner. In two weeks its circulation has decreased until now it is far in the rear of the other morning dailies. On the Oakland boat one morning this week out of fourteen papers that could be seen by the writer not one was an Examiner.

Said a news-stand keeper this week, "Before the strike I used to sell on a Sunday morning about fifty Examiners, twenty-five Chronicles and fifteen Calls. Last Sunday I sold three Examiners, 150 Chronicles and seventy-five Calls."

Said a prominent physician, "Though I am a Republican I always used to read the Examiner as I wanted to know what the other side had to say. But lately I will not have it in the house. I know a large number of Democrats who have stopped the paper, and the number is increasing daily."

The fact of the matter is people are disgusted with the Examiner.

The strike would have ended a month ago had it not been that the Examiner took the side of the labor agitators, and encouraged the strikers by lies and false promises, sided with violence and endeavored to shield those guilty of assaulting non-union men.

That was bad enough, but not as bad as the fact that the assassination of President McKinley is directly traceable to the policy of the Examiner and similar "yellow journals" which have done their best to influence ignorant and excitable men like Czolgosz against the government and especially against its chief executive. The Examiner, editorially and through its cartoons has held the President up to scorn, has called him the oppressor of the laboring classes, and has done all in its power to influence the popular mind against him.

After having done all this, and having succeeded, with the help of others of its ilk, in supplying the motive which killed the President, it now fills its columns with editorials as full of praise of the dead as before they were of condemnation for the living.

If Mr. Hearst is not ashamed of his papers the people are, and are showing their displeasure by stopping their patronage.

In 1856 a paper called the Herald, was the leading paper of San Francisco and contained more advertising than any other.

When lawlessness became so prevalent and so bold that the vigilantes were formed the Herald opposed the vigilantes, and was excessively bitter against them, going so far as to practically side with the lawless, just as the Examiner has been doing.

The result was business men stopped patronizing the Herald. The advertisements were taken out to the last one. No one would read it. No one would allow it left at their doors. To print it was useless as the papers could not be disposed of. In a week it was dead.

That is just what ought to be done with the Examiner.

It is a disgrace to the city and the state.

It is a disturber of the peace.

It has ruined the homes of the working men.

It has fostered opinions which have resulted in the assassination of our President.

People ought to be ashamed to advertise in it or to read it.

It ought to be compelled to suspend through lack of patronage.

The Examiner has never been a friend to the oil industry, and would never refer to any of the developments in oil unless paid one dollar a line.

If the retail merchants of San Francisco thought as little of it as do the oil men there would be a great dearth of advertising in its columns.

Notice to Correspondents

While the PACIFIC OIL REPORTER is always willing to answer the questions of correspondents to the best of its ability yet it draws the line at answering questions written on postal cards, or in letters which are unaccompanied by stamps. At least on the average a dozen letters are received at this office daily, principally from the East, inquiring concerning companies in the different oil districts. As these letters are almost invariably from the subscribers of this paper they are answered as fully as possible.

But inquiries written on postal cards, or in letters that contain no stamp for the answer are thrown into the waste basket.

SANTA PAULA GRAVITY COMPANY.

In Difficulties at Present, But May Tide Them Over.

During the last few weeks, a number of inquiries have come to this office regarding the Santa Paula Gravity Oil company.

Very many of these inquiries come from Eastern subscribers to the PACIFIC OIL REPORTER, many of whom have purchased stock in the company from advertisements which have appeared in this paper.

The following letter from Brooklyn, N. Y. is a fair sample of the letters of inquiry received lately:

BROOKLYN, N. Y., Sept. 12, 1901.

MR. W. B. WINN, Editor PACIFIC OIL REPORTER, San Francisco, Cal.

DEAR SIR: I am a subscriber to the PACIFIC OIL REPORTER. In the issue of June 14, 1901 on page 11 under head of work in Ventura you spoke very highly of the Santa Paula Gravity Oil company and acting on your testimonial of that company I invested in 800 shares of its stock. I have just received your issue of Sept. 6. 1901 and note your remarks therein on page 6 under heading "Information wanted," from which I would infer that something is wrong with the Santa Paula company.

* * * *

Kindly let me know what you learn or do know of this company's condition and prospects at your earliest convenience.

In answer to this and similar letters, it can be said that the Santa Paula Gravity company owns eighty acres of land in Ventura county which has producing wells on each side of it. The land is regarded by those competent of judging, as being most certainly oil land; and wells drilled in the proper location on this property, ought to strike a well at a reasonable depth, and ought not to encounter any unusual difficulties in drilling.

This land was first leased from the owner by a Los Angeles company, which in turn made an arrangement with Messrs. Ritter and Fuller by which these gentlemen practically obtained control of this property and organized a new company.

Mr. T. H. Chandler, a well-known and highly respected capitalist whose office is in the Mills building, this city, was made president of the company, although at the time he was elected he had distinctly stated to Mr. Fuller that he would not let his name be used in forming the company.

In spite of his statement, Mr. Fuller got out a prospectus and placed Mr. Chandler at the head of his new company as president.

For a time, the affairs of the new company went swimmingly; money came in satisfactorily, machinery was obtained, and preparations were begun to drill.

The land was hilly, as is all the land in this portion of the Ventura oil fields. A site was selected which was accessible, so that no great difficulty need be experienced in getting the machinery on the ground. This site however, was not regarded as eligible to those familiar with oil matters in this district. Messrs. Ritter & Fuller were told that the site they selected would not be satisfactory, and that oil could not be obtained unless the site was changed to a point further up the hill. They refused to accept this advice, and drilling was commenced and continued until the well was sunk to a depth of about 850 feet, when the property was attached on account of non-payment of bills, and the work has ceased. The unpaid bills amount to about $2500.

Mr. Chandler was induced last week to visit the property; and on his return stated that he was convinced, if the well had been sunk in a different location, oil would have been struck in paying quantities. He states that the machinery and casing now on the ground is worth at least $4000. While oil was not struck in paying quantities yet the well will yield three or four barrels a day, enough to supply the fuel to drill another well. He is confident that if the drill had been started farther up the hill, and on a line with the other producing wells, to the east and to the west, oil would have been struck just as it has been struck in other wells.

Ritter & Fuller seem to be at outs. They have no money to pay their debts for machinery, labor, etc., and seem to have mismanaged the affairs of the company from the start. Ritter accuses Fuller of collecting and misappropriating funds and says Fuller is practically out of the company.

If Mr. Chandler and his associates see fit to do so, they can raise money sufficient to pay off the present indebtedness, remove the attachment which has been placed upon the plant, and drill another well which according to Mr. Chandler, ought to be a good producer.

Unless this is done, the plant will be sold out and the affairs of S. P. G. O. company will be wound up in short order.

Proved oil lands vary in price from $3,000 to $5,000 per acre. Chanslor & Canfield a few days ago refused an offer of $4,000 per acre for land in section 29, 28-28. The Sacramento Oil company refused $5,000 per acre for their lands in this same section. Lands in section 4, 29-28, in the vicinity of some of the big wells, are not for sale at any price, and it is not probable that $10,000 per acre would be entertained as a purchase price.

Hanford stock sold originally for $5 per share; it is now selling at $122.00. Peerless sold for $1.00; it is now worth $8.50. San Joaquin, 50 cents; now $12.25. Sterling, 25 cents; now $3.25.

Oil Association Contract.

Under the proposed contract of the Los Angeles Oil Producers' Association with the Oil Storage company, which was to have become operative on the 1st inst., the Producers' Association reserved the right to fix the price to be asked for the local product, and the Oil Committee of that body, which was clothed with that power, now believes that it may also make contracts for deliveries to be made by the storage company, acting as distributing agent for the association.

Officers of the latter corporation have other views, and that is why no association oil is now delivered through the storage company's tanks.

Recently a conference was held attended by representatives of both corporations, but no settlement was reached, and it is quite probable the matter will be tied up until the middle of next week. Meantime, members of the association will not play in the storage company's back yard.

An Oil Law Suit.

This week a law suit is on trial between the Four Oil company and United Oil Producers. The former claims the United Oil Producers agreed to purchase a large amount of oil at a given price and when the price of oil decreased, the United Oil Producers refused to purchase the oil. The United Oil Producers claim that the Four Oil company offered to sell a certain amount of oil to the United Oil Producers at a given price; that this price was accepted by Shafter Howard, then in the employ of the United Oil Producers, when the president of the company, Isaac E. Blake, was absent. When Mr. Blake returned, he notified the Four Oil company its offer could not be accepted. Nothing further passed between the two companies until the lawsuit was commenced.

Pacific Coast Underwriting Company.

Incorporate companies; furnish everything complete.
Sell interest-bearing Gold Bonds.
Underwrite stocks.
Buy and sell Oil Lands.
Handle all kinds of mining properties.
Promote any legitimate enterprise.
Information furnished investors regarding Pacific Coast Corporations. Address,
Main Office, 507-8-9 Parrott Bldg. San Francisco, Cal.

The Pacific Coast Oil company, San Francisco district, has paid over $13,000,000 in dividends. The Blue Goose company, whose stock first sold for 10 cents a share, has paid over $200,000 in dividends. The New York Oil company sold its stock at 50 cents; it now commands $200 per share. The Union Oil company's stock sold at first for $1 a share. This same stock now commands $1,500 a share.

Oil for the Islands.

It seems now to be pretty well settled that the Union Oil company has obtained the contract supplying oil to the four plantations on the island of Maui. These plantations are known as the Kihei, the Kahalderi and the two plantations of Alexander and Baldwin. Whereas the price for the oil is not definitely known, it is understood to be in the neighborhood of forty cents at the wells. It is also believed that the oil will come almost entirely from the Coalinga distict. The means of transportation has not been definitely decided, although it is re-reported that the Union Oil company will transport the oil by means of a barge. The project of supplying oil to the island of Oahu on which Honolulu is situated is still in obeyance. Mr. Dillingham, who represents the buyers, expects to be in San Francisco next week, where it will be decided which one of the numerous offers will be accepted.

The Santa Maria Graphic says that the Standard Asphalt company is now mining from fifty to sixty tons of asphalt per day. The mine is located a few miles from Blake station and is in close proximity to the newly discovered oil field. The asphalt is hauled to Casmalia and thence by rail to Carpinteria, where it is refined.

The following are a list of those in Los Angeles, Cal., who have made money in oil investments in the last year:

	Invested	Profit.
Richard Ellis	$ 1.00	$ 32,650
W. B. Hardison	6,000	150,000
L. G. Parker	4,800	100,000
Clark & Bryan	3,700	75,000
Edward Doheny	1,700	100,000
Senator Bulla	9,500	100,000
Edward Strasburg	3,500	120,000
W. E. De Groot	4,200	94,000
Councilman C. Toll	1,250	30,000
Anderson & Chanslor	20,000	500,000

Prior to the general consumption of fuel oil here, we were enabled to purchase the leading brands of Colonial coals at over two shillings per ton less than they are held to-day, which virtually resigns the control of the fuel market to oil.

Prospectuses.

Oil companies who desire to have a neat prospectus printed should order it from the PACIFIC OIL REPORTER. We have a complete and entirely new job plant, and our assortment of maps and half-tone representations of oil scenes is the best and largest in the state.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, September 18.

BAY CITY.		
100 at	40	40 00
12 at	35	4 20
BEAR FLAG.		
200 at	08	16 00
CALIFORNIA STANDARD.		
900 at	23	216 00
2500 at	22	550 00
300 at	24	72 00
FOUR OIL.		
1972 at	40	788 80
HOME OIL.		
200 at	3 70	740 00
175 at	3 75	656 25
GIANT.		
200 at	28	56 00
HANFORD.		
2 at	121 00	242 00
43 at	122 00	5246 00
INDEPENDENCE		
7850 at	10	785 00
6500 at	11	715 00
JUNCTION.		
1700 at	25	425 00
300 at	26	78 00
LION.		
2600 at	09	234 00
1000 at	10	100 00
MONTE CRISTO.		
1500 at	1 75	2625 00
MONARCH OF ARIZONA.		
2600 at	23	598 00
400 at	24	96 00
OCCIDENTAL.		
250 at	43	107 50
100 at	47	47 00
140 at	48	67 20
400 at	49	196 00
100 at	50	50 00
OIL CITY PETROLEUM.		
200 at	28	56 00
PEERLESS.		
1200 at	5 25	6300 00
1050 at	5 50	5775 00
PETROLEUM CENTER.		
3700 at	01	37 00
REED CRUDE.		
400 at	32	128 00
500 at	33	165 00
100 at	34	34 00
SAN JOAQUIN.		
50 at	8 37½	418 75
10 at	8 50	85 00
STERLING.		
100 at	1 32½	132 50
97 at	1 35	130 95
200 at	1 37½	275 00
27 at	1 40	37 80
SHAMROCK.		
100 at	80	80 00
TOLTEC.		
1100 at	50	550 00
100 at	1 65	165 00
TWENTY-EIGHT		
250 at	1 70	425 00
WEST SHORE.		
100 at	2 80	280 00
100 at	3 00	300 00
WOLVERINE.		
200 at	65	130 00
Shares	42,828	Amount $30,255.95

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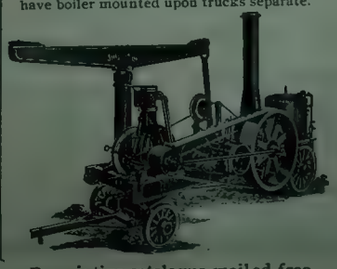
Cut shows boiler mounted upon frame of machine for oil and gas works. It is usually advisable to have boiler mounted upon trucks separate.



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STAR DRILLING MACHINE COMPANY

AKRON, OHIO.

Use of Wire Rope.

The field superintendent of the Murphy Oil company of Whittier has the following to say about the use of wire rope for drilling:

The reason we resolved to try wire cable was because we were drilling in about 1200 feet of sand. Our tools wouldn't drop effectively and the hole was going so slow we had to look for a way out of the trouble. Deep holes full of water can be worked down much faster with wire cable than with manila rope and the life of the wire cable is three or four times as great as that of manila. We have three ¾ by 2200 foot wire cables in use but have not worn any out yet so don't know exactly how long they will last. A 2200-foot wire cable costs about $340.

We connect a rope socket by drawing the wire through, then fray and turn back the ends and run babbit on same. The clamp used to attach to the beam we had made for this purpose. The bearing is about a foot long and is run with babbit leaving a small V-shaped groove for the wire so as not to let any iron touch the cable. We don't use any swivels and can feel the jar very distinctly in a 2000 foot hole with 1600 feet of liquid in it. We have three holes that are practically 2000 feet deep put down with wire cable.

A Conspiracy.

The elements and riches of the earth conspire to help on the prosperity of the State of California. The oil fields of this state have been a great factor in the latest development of financial expansion and their influence is certain to be felt further, inasmuch as the defined fields are constantly expanding by continuous new discoveries. We are, as it seems, on the threshold of a stupendous wealth-producing age, which promises to have a beneficial effect on the masses of the country through the abolition of poverty.

"It is an ill wind that blows no one any good," and the present depression in the price of oil stocks is really the poor man's opportunity, because the price of stock in the majority of our strong, legitimate companies is way below its real value, which in accordance to the inevitable laws of commerce are bound to regulate themselves, and with such regulation will carry in their train wealth for their stockholders.

Among the various companies, whose stock can be purchased at a very nominal price, is the Standard Consolidated Oil and Land company which offers a flattering inducement to investors. Men of affairs have invested largely in this company, realizing that their principal was safe and the opportunity to derive large profits assured.

Los Angeles Stocks.

The improved condition which appeared in the Los Angeles stock market several weeks ago continues to be felt, and there is now every appearance that more active business will be done from this time on. Not only do stocks find a more ready market than formerly, but prices are stronger, with a slightly upward tendency on the part of several of the favorite traders. The one exception to this rule is Reed Crude, which has declined a point from the figures of a week ago. The closing prices last Saturday were 30 cents bid and 34 cents asked. Central has gained somewhat. A block of considerable size changed hands at 90 cents during the recent sessions of the board. Columbia remains firm at 25 cents bid and 30 cents asked, with little to be had at that figure. The bids on Senator have been falling ofl slightly, 92 cents being the last figures offered for this security. Southern Consolidated has again appeared on the board for the first time in months. Some few thousand shares were knocked down at the rate of 1½ cents. Uncle Sam is gaining steadily, the last quotations being 3½ bid and 6 cents asked. The present figures on Brea Canyon are $3 bid and $4 asked.

Some little activity has been noticeable among the mining stocks. Butte Lode has been in demand recently and some trades have been effected on the exchange at figures ranging between $18 and $20. Mingus Mountain Copper has declined from 18 to 14 cents, at which figure there are considerable offerings without bids. Arizona Giant, formerly an active trader, seems no longer in demand.

As usual, little trading has been done in bank securities, this class of paper being held at too high a premium to permit of speculative action.

Refinery Burned.

The refinery of the California Liquid Asphalt Company at Summerland was burned to the ground last Sunday. The loss will be several hundred dollars. The building contained machinery and some asphalt. Nothing but the wooden portion of the structure was damaged. The building will be rebuilt and operations resumed at once.

Kern County lands a year ago were selling at $2.50 an acre; these lands are now worth from $2,000 to $100,000 per acre.

Why Are California Oil Stocks the Favorite Investments Locally As Well As East?

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PACIFIC COAST OIL NEWS.

Recent Developments in Oil in Various Parts of the State.

BUTTE.

The directors of the Feather River Oil company are now quite jubilant by reason of the fact that Col M. M. Ogden, the oil expert for the Oil Producers' Exchange in San Francisco, has visited the well and reported that the oil seepage recently found at a depth of 600 feet, is of a light, illuminating oil, and that the formations passed through are such as to indicate a discovery soon of the fluid in paying quantities. Work at the well is not being prosecuted owing to the absence of casing.

CONTRA COSTA.

The Berkeley Crude Oil Company, located two and a half miles from Lafayette, has gone down 378 feet in ten days in a formation of clayey shale. They are using a Star drilling rig; tools 4½ inches by 36 feet stem, 9⅝ bit.

COLUSA.

Drilling is in progress at both the Williams and Minor Ranch wells.

A cave of 165 feet at the Bear Valley well had occurred because the casing had not followed the drill. The hole was 380 feet previous to the cave.

Work is going ahead on No. 3 of the Smith & Gorrill lease on Sand Creek. A new driller arrived here Sunday, and on Thursday Mr. Williams departed on the south-bound train. Colusa mechanics are putting new tubes in the boilers.

Little progress was made at the Chehalis owing to certain parts of the new string of tools being defective, which necessitated their being sent to San Francisco. Upon their return active work will be resumed. The well is down about 200 feet.

FRESNO.

Independence in the Coalinga district has 4 wells and the still shows that there is 8 per cent good kerosene, 8 per cent distillate, 10 per cent light machine oil and 18 per cent heavy lubricating oil and four tons of asphalt to the 100 barrels. This is a fair sample of what the field produces outside of Oil City. In the immediate vicinity are El Capitan, Confidence, Maine State, Oil City Petroleum and the Twenty-eight Oil company. El Capitan and the Confidence are largely owned in Fresno.

GLENN.

The Great Northern is arranging to begin work again soon. The last work done gave the best indications so far found in the north.

HUMBOLDT.

A cave occurred in the Wild Goose oil well at Joel's flat near Petrolia a day or so ago, which buried completely the lost tools in the hole, and which will now have to be drilled out before the tools can be recovered. This will necessitate considerable work. The Wild Goose people are having everything but good luck.

KERN.

The Golden Rod is preparing to resume work on its holdings 8, 29-28.

The Sunset Coast has resumed work on its hole, already down to a good depth, in section 25, 32-23. The work is progressing favorably.

J-B-B well No. 3 is flowing at the rate of 100 barrels a day. The inner tubing is capped and the oil is forced out from between the outer strings of casing.

Moneta No. 2 is down 900 feet. No. 1 has again been put on the pump and is producing a large quantity of oil. The company has had considerable difficulty with heaving sand in this well.

Word has been received here by a man interested in the prospective oil land near Tucson, that the well being drilled there has been abandoned at 945 feet. No indications of oil were encountered.

The Standard has four new tanks under construction at Tank City and is breaking ground for one more. It was reported to-day that the company has offered 20 cents for contract oil and is unable to get it at that price.

The Kern King is soon to begin sinking the hole already down several hundred feet to a greater depth on its holdings on 11, 30-31. When drilling was stopped several weeks ago, the company had very favorable indications.

The Senator Oil company has declared a dividend of 1 per cent per month for September, October and November. It is expected to continue these dividends, and by the first of the year 1902 to increase them.

Although the Chanslor & Canfield water pipe line has been completed, it is stated that the charge is $500 per month for the water for each of two rigs now in operation in that field, whether they use one barrel or 2500 barrels of water from the line.

The work in the McKittrick field is picking up and new work is being done. The water question no longer hampers development since the pipe line was completed. Though the water costs the consumers about 20 cents a barrel, it is much cheaper than it was formerly.

The Queen Oil company, 13, 11-24, has entered the first stratum of oil sand in its No. 1. This company owns the SE¼ of the NE¼ of the section which is immediately to the north of the Jewett & Blodgett refinery. The well is located 300 feet from the Sunset Diamond.

J. Benson Wrenn, one of the officers of the Illinois Crude, visited the company's new well yesterday. He says the oil sand and rocks were thrown from the hole with such force that the upper part of the derrick was shattered. A large quantity of gas is still coming from the hole.

The Panorama Oil company operating on section 14, 29-28, south of the river, is down 1500 feet. Barring the small stratum of oil sand encountered near the 1000 foot level, no favorable indications have been found. The company is contemplating going one or two hundred feet deeper.

C. A. Barlow has returned from a visit to the Sunset, Elkhorn and Midway districts. He reports that everything points to a general resumption of development work throughout those districts and says it is only a question of a few weeks when the fields will be a scene of renewed activity.

Dirigo, one of the Boston companies operating on 2, 11-24, has succeeded in striking a good stratum of oil sand in its second well. For some reason, known only to the manager of the company, well No. 1 has not been completed. The oil from this new well when completed will be shipped to Port Costa, together with the product of the Arcola, Tremont and the other allied Boston companies where it will be refined.

The surveyors of the Santa Fe railroad are laying out the spur to be run from the main line to the Pacific refinery now being constructed on Oak and Fifteenth streets, Bakersfield. The work of building the refinery is being pushed. The masons have about completed the brick foundation and other material is being hauled to the ground. About fifteen men are at work on the plant.

Jolly Joker, section 23, 32-23 has lowered its eleven and five-eighths casing and it now swings freely in the hole which has been drilled to a depth of 415 feet. The formation on this property stands up much better than that of neighboring holdings and it was only a matter of precaution that the casing was lowered at this time. The company expects to complete the well with the second string.

Chanslor & Canfield have made a significant strike on section 4, 31-21. Although the oil sand encountered is not very extensive, the oil men are generally jubilant over the new find. This well is situated about three miles directly south of McKittrick station and opens up a large area of land that up to this time has not been proven. The Nineteen Hundred and One company, on section 34, 30-22, which is located a mile to the northeast, has oil in paying quantities.

LOS ANGELES.

The East Whittier Oil company has resumed drilling after pulling a string of casing.

The Murphy Oil company is building a 10,000-barrel tank, the largest wooden oil reservoir in Los Angeles county.

Contractor C. L. Keiser has the El Moro Oil company's No. 2 down close to 1000 feet and is making good progress.

The Whittier Oil and Development company is going down with 5 5-8 casing and has reached a depth of nearly 1100 feet.

Contractor Richard McConnell has No. 31 for the Central Oil company down nearly 1000 feet and is making good progress on 33.

The Whittier Crude Oil company has begun work deepening well No. 1. As the well is 1400 feet deep with a large quantity of metal cable is being used.

The Home Oil company has No. 13 down 600 feet and is now making good progress. On No. 10, which is being deepened, the obstruction has been passed and the hole is now being made beyond the original depth of the well.

The North Whittier Oil company has again resumed drilling after nearly a week's suspension because of shattered casing. The conglomerate wore a hole in the heavy drive pipe and it was necessary to strengthen a joint before further progress could be made.

ORANGE.

The Puente Crude Oil company has just completed payment of a mortgage that has made a lot of trouble among stockholders, and operations will resume at an early date.

SANTA CRUZ.

The Gilroy Oil company has purchased a drilling rig and will soon have it working on the territory across the mountains from the Gaffey tract.

SANTA BARBARA.

News from the near by spouting well of the Western Union Oil company has it that the well is still flowing twenty barrels.

The asphalt refinery has been fitted up with a condenser, and the smell that formerly polluted the balmy breezes is now being turned into marketable distillate.

The latest derrick is one of the Jalama Oil company, located on Jalama creek in the north of the county. A company is down 200 feet with a 14⅝-inch casing, and its well will be dropped 2000 feet, or deeper if necessary. Nettleton & Kellerman of Los Angeles are the drillers.

On the Muscio rancho there are good indications at 1450 feet, while on the Harris rancho a big derrick is up and a rig will be put into operation early next week.

Messrs. Tillman and Bendel have met with a number of delays in drilling on the Underhill rancho, near Los Alamos. At this time, however, they are 800 feet deep with their deepest well. Good indications are reported. The company is the Prima Vera Oil company.

Mr. Careaga, the owner of the ranch where the flowing oil well was recently developed, reports the amount of the overflow of oil in this well as steadily increasing. A large tank is being built to preserve this overflow, during the completion of which barrels are being used. The oil flows down a small ravine directly into the barrels.

The Elizalde Oil company, operating in Shuman Canyon, pulled up its stakes and loaded its entire stock of machinery and casing aboard the Southern Pacific cars, bound for Northwestern Texas. The company has sunk two holes on this property, encountering fine seepages. Owing to the litigation now pending operations in the search for oil on this ranch have been discontinued, and permanently so for as the present company is concerned.

Work at the Webber, Nott & Churchill oil wharf at Loon Point is progressing slowly. An effort is being made to take out the 4¼-inch casing in the bottom of hole. When this is dislodged the hole will be reamed and a new string of 4¼-inch casing will be put in to shut off a stratum of soft clay that caves so badly that thus far it has been impossible to get past it. While there has been no actual oil sand encountered there is a quantity of high gravity oil in the well, which apparently has worked up from the bottom, and which encourages the the projectors to persist in their attempts to find oil in spite of the many discouraging setbacks they have encountered.

SAN DIEGO.

The Yuba Oil company has shipped a rig to its property near Coyote Wells.

There is no work being prosecuted on any of the desert wells at present. The Barrett well has started, and at the Harper well they are not now working. Some of the promoters assert that they are waiting simply for the return of cooler weather on the desert.

Geo. W. Marsh, who is greatly interested in the well at Eucinitas, is trying to get enough people to subscribe to the stock of the company in lots of 120 shares each, payable in monthly installments, to carry on the work. The tools are in the bottom of the hole at present, but an expert is at work there getting them out.

The managers and stockholders of the Chula Vista Oil company are awaiting with much interest the next development that the drill will make. It is now down 588 feet and working in a hard formation which seems to the experts to be the capping of some other formation. They do not say that they think oil will be found in that next formation, but that is what they want very much to find out. The drill has gone down only about seven feet in the last two days.

Those who ought to know oil formations when they see them, seem to think that the Carrizo Creek district in San Diego county will be the Mecca for oil men in the future. Another rig went out last week, says the San Diego Union making the seventh in all. Dr. Bowers the Assistant State Mineralogist, after making an extended examination of that field pronounces it very promising. The Cactus company, of which Captain Frank

Barrett is president, is located in the heart of their field. In a conversation with Captain Barrett, he says that his confidence in this district is so great that he intends to sever his connection with all other fields and devote his whole time and attention to the interest of the Cactus Oil company and the San Diego field generally.

SAN BENITO.

The Dos Palos Oil company has leased 1000 acres of oil land to well known San Francisco capitalists.

The Hollister Petroleum Development company is down 530 feet in blue shale. Traces of oil was struck last week.

The San Benito Crude Oil company's derricks will soon be erected. Carpenters will start from San Francisco this week.

The Cerro Bonito Oil company expects to commence operations in the Vallecitos District within the next two weeks. A Standard rig has been purchased and the same will be moved to the company's land as soon as possible.

The well of the World Petroleum company in the Fresno-San Benito district is down 900 feet and the drill is in oil sand. There is a strong pressure of gas and all indications point to a good flow of oil in a short time.

The present well of the Hollister Petroleum Development company is down over 500 feet with 11⅝ casing, and better indications are encountered as depth is attained, gas in large quantities having been struck at 305 feet and the flow increases with the striking of each succeeding strata of sand. A small amount of salt water at 350 feet was successfully cut off without reducing size of casing. Seepages of oil are also manifesting themselves and the formation is very favorable now for easy drilling and an early strike of oil at no great depth.

KERN.

British California has recently brought in a new well and is now perforating its casing.

It is reported that a company composed of local men will soon begin sinking a hole on section 24, 29-28.

The Occidental company has picked out a site for well No. 2 on section 12, 11-24 and will soon begin operation there.

New Richmond has begun drilling its second hole. The casing in No. 1 became stuck necessitating the abandoning of the hole.

Occidental No. 2 continues to flow steadily as it has done for the past two months and the Golden West is also flowing about sixty barrels a day.

The Geyser, section 32; the Majestic, section 31; and the Oriental, section 30, 32-24, are pulling the casing from their wells and will move the rigs to new locations.

The team road from Bakersfield to Sunset is in frightful condition and the gravel is very light owing to the alkali dust which raises in clouds as a team passes along the road.

California Fortune has ordered another rig and will soon begin spudding in for its No. 3. Wells No. 1 and 2 will will be uncapped and allowed to flow as soon as the Sunset railroad is completed.

Superior No. 3 is flowing steadily into the large earthen reservoirs which have been constructed on the company's property section 2, 11-24. This company will drill several new holes during the next few months.

On Sunday week Monarch No. 1, which had just been sand pumped, began flowing at the rate of 800 barrels and continued uninterruptedly for several hours. The tank was already filled and a large quantity of oil ran over the sides and was wasted.

The Sacramento, 29, 28-28, is deepening one of its wells and is preparing to drill several new holes. The company has about concluded a good contract for its production and in order to furnish the required amount of oil will have to drill several new wells.

The Earl Crude Oil company has made a contract to deliver a minimum amount of 140 barrels of oil per day at the terminus of the railroad in Sunset, commencing December 1st. The terminus is within 1000 feet of the eighty acres belonging to the company. The company will commence drilling immediately.

Fifteen hundred feet of seven and five-eighths casing arrived at Jasmine station Monday for the La Mesa Chiquita and was hauled out Tuesday. Wednesday the work of putting it in was commenced and boring will be continued tomorrow. The well is 1110 feet deep, the best flow of oil having been struck at 1090 feet.

C. S. Nicewonger has been transferred from Kern, where he has had charge of a lumber business, to Coalinga where he will have charge of the lumber supply for the oil district. This made it necessary for Mrs. Nicewonger to resign her position in the schools of Bakersfield. They came down from Bakersfield last night and went on to Coalinga this morning.

The grading force on the Sunset railroad is now working within three miles of the proposed terminus of the road and the track layers are following about two miles in the rear. The proposition to have the Sunset road extended into the Midway district which was talked of several months ago is again receiving favorable comment and it is probable that the extension will be made.

SANTA CRUZ.

The Crescent oil well on the Chittenden ranch is down 700 feet.

SOLANO.

The Rochester Oil company are still attempting to case off their flow of water in their well. An immense quantity of gas continues to flow and if no oil is struck this will prove profitable.

STANISLAUS.

The Mt. Oso Oil company's well is down about 125 feet. A rock that was partly in and partly out of the well delayed progress for two days—until the protruding corner was chipped off.

SANTA BARBARA.

On the Los Alamos rancho a 60,000-gallon tank is in course of contruction and new derricks are being built and other wells will be drilled, and within two weeks a number of drills will be at work.

On the Muscio rancho a well is down about 1450 feet.

The Underhill well has reached a depth of nearly 700 feet.

Drilling will commence on the "Cap" Harris rancho at once at a point about a half a mile southerly from the Carreaga well.

Parties arriving from Los Alamos state that the little town is booming on account of the discovery and that land owners are holding out for all kinds of offers for leases, but are not accepting any, though many offers, it is said, have been very liberal.

ORANGE.

Graham & Loftus are receiving 85 cents a barrel for the oil produced on their lease, and their contract will not expire for several months.

The Standard is reported to be buying the entire product of the Columbia Oil company at $1.45 a barrel. This is very desirable oil for refining. The Columbia company buys a low gravity of oil to burn in its engines to pump, selling every barrel of its output for refining purposes.

The Santa Fe company, another large producer of the Fullerton field, of course, consumes its entire output, and will do so no doubt for several years to come.

It is reported that the Brea Canyon Oil company is now selling 10,000 barrels a month to the Santa Fe, the price being $1 a barrel, and the sales being covered by a contract which runs five years.

The Standard is purchasing all the oil produced by the Puente Oil company, and under its contract is paying $1.30 a barrel. The contract is on long time. The oil is also used for refining.

The Fullerton field has the advantage of a low freight rate, the oil being piped to San Pedro harbor at a cost of 15 cents a barrel. Its oil is of a superior grade and gravity, and the greater part of the product is contracted for.

TEHAMA.

The Corning Oil and Gas company, who are drilling for oil 12 miles west of Corning, and who have been shut down for the past two weeks waiting for machinery from San Francisco, have now received the machinery and resumed drilling. Their well is now down 1375 feet, have a small oil seepage and a great flow of light carbureted hydrogen gas, which comes only from petroleum. They are at present in a soft gray sandstone, very porous. Experts who have thoroughly inspected this formation claim that oil will be developed at a depth of 1700.

VENTURA.

Another good strike is reported in the last prospect well on the Tapo. This will make three good big wells in this field. They are all under the management of F. E. Good.

The Simi Oil company is down 1500 feet in well No. 4. They found oil in the first well, but not sufficient to satisfy them, so they abandoned it. Since then it began to flow more freely, and is now yielding about fifteen barrels. The second well was abandoned because tools were lost and could not be recovered, and the third well because of boulders encountered.

The McClure brothers struck oil on the Tapo, north of the Simi company's wells, but found it so dense it could not be pumped. They abandoned this well, and are now boring a second. The McCrea brothers are also interested in the Simi Oil company.

The Kern Valley Oil Company.

The Kern Valley Oil company has a lease on twenty-five acres in 14, 28-27, also a lease on over 900 acres in Glenn county, and owns another 110 acres in Glenn adjoining the land of the Great Northern Oil company of Oakland, down now over 1,000 feet, also owns 2,300 acres in the Cottonwood district, also owns one and one-half sections in the Kern River district, but beyond where any active work is being done.

We also have a bond on 400 acres in Sunset district a short distance below the Jewett & Blodgett wells.

We have a fine rig now on section 14, 28-27 in Kern River district. This rig is partially paid for, there having been over $2,000 paid. There is a balance of about $1,000 due.

We have not commenced drilling as the land in 14, 28-27 has not been proved, and we did not wish to risk putting down a dry hole.

The recent strikes and the consequent slump in the price of all securities, especially oil stocks has made it impossible to sell any more stock of our company at present.

We have given up our expensive offices in the Mills building, and are now located at 1003½ Broadway, Oakland, saving by the change over $200 a month.

The salaries have been reduced so that they do not amount to more than $125 a month in all.

We expect to be able to commence active operations this winter, in a proven territory where there is no doubt but that oil will be obtained in paying quantities.

The president of the company, W. E. Adams, desires it understood that he is personally working for the best interests of the company, and that no one who has invested in the stock of the company will lose a dollar.

The oil business, while at present dull and unsatisfactory has only suffered a temporary relapse, and a few months will see matters in a satisfactory condition.

C. W. ADAMS,
Secretary.

C. T. Tryon, superintendent of of the Bolena, Hecla and Alva oil companies, has returned from a three month's visit in the east. In speaking of the feeling toward California oil he says that eastern people are gaining confidence in the production of this state and that oil stock which has heretofore been sold with difficulty is now receiving a ready sale.

Reliable and Safe.

The Standard Rock Oil Company is pushing its deal fast and we understand that there is but a very short time left in which this good stock can be bought at 20 cents per share. The possibilities are that on the first of October it will rise to 50 cents per share. The Standard Rock's holdings are beyond a doubt proven oil lands and as the management is known to be honest, having the interest of their stockholders at heart and as the stock sells at a low figure we don't see any possible reason why this stock should not be a good and safe purchase. As soon as the price of oil goes up, which probably will take place within the next 60 days or so, developments of this fine property will be pushed with all its might and large wells can be expected, which in time will pay good dividends to the stockholders of the Standard Rock. The purchase of these shares is not a speculation but a gilt edged investment.

California desert oil lands, absolutely valueless in the absence of oil and originally selling at from $2 to $5 per acre, now command $5,000 to $25,000 per acre, and are hard to obtain at that figure.

BAKERSFIELD OIL EXCHANGE

Progress Now Being Made in Its Organization.

The membership cards of the Bakersfield Oil and Stock Exchange have arrived and are being distributed among the members, says the Californian.

The card entitles the member to deal on the exchange, to share in its profits and also entitles the holder to membership of the club, which will occupy the upper stories of the exchange building, also carries with it 100 shares of stock which represents property interests.

The exchange will be run on broad lines. In addition to the sale of oil stocks that pay dividends through the brokers in the east, the standard stocks listed on the New York exchange will also be quoted and sold on a marginal basis.

The membership of the exchange is limited to 200. This number was disposed of before the exchange was organized but twenty-five of the subscribers failed to take out membership cards, leaving that many still to be taken and for which there are numerous applications.

As soon as the building is completed appropriate committees for the club and exchange will be chosen to look after the interests of the association. The club, to to be known as the Stock Exchange Club, is expected to be equal to any other similar organization in the state. It will be equipped with a library, a reading room, a cafe, a private dining room, a billiard and pool will also be run in connection with the club during the summer season. Here entertainments will be given and refreshments served.

It is quite probable that permanent departments will be erected and assigned to competent men, embracing real estate and loans, fire and life insurance, and other kindred branches properly belonging to the department of commerce and finance, which includes commissions pertaining thereto.

It is expected that the building will be ready for occupancy by the first of the year. The offices will be equipped for the convenience of the members and office men. Elevator and janitor service will be furnished to tenants. A number of applications for office room have been filed with the secretary, but as yet none have been designated.

Combine Progressing Slowly.

The Los Angeles Times says that the $1,000,000,000 oil "combine" of W. S. Porter et al, in formation, is reported to have gathered within its fold 80 per cent of the producers of the great Kern River field.

So much is announced officially, and it is learned from the same source that the only thing that can now interfere with the success of the "combine" is the refusal of the companies to accept the valuation placed on their respective properties by the experts in the field.

There are those who question the correctness of the statement that the "combine" embraces 80 per cent of the operators of the Kern River field, and investigation proves that very few of the northern workers having offices in this city acknowledge any connection with the movement.

The Bakersfield Californian says on the subject:

"So far as can be determined by close inquiry among the local oil men, there is no scramble to sign away their properties to Mr. Porter or to Mr. Anybody else. Indeed, the feeling is quite general here that if the plan under consideration is not directly in the interest of the Standard Oil company, it at least bodes no good to the producers. The oil men are indeed anxious to form a combination that will regulate the market and give them fair returns for their product, but if there is any considerable number of such who have signified their intention of placing their property out of their hands they have not made themselves known in Bakersfield.

"Aside from two or three ambitious individuals or concerns that hope to profit directly by the combination, there is a general disposition to stand aloof until something definite is known of the intention of the promoter of the plan. The very secretiveness with which the business has been conducted has aroused the suspicions of the oil men, and they will insist upon being taken in on the inside and given the fullest information before they will agree to any combination such as proposed."

New Company in McKittrick.

The Yankee Girl has leased one-half of its land in section 31, township 30 south, range 23 east, in the McKittrick district, to A. L. Bright, who will proceed at once to organize the company and develop the property.

This company has 320 acres in sections 9 and 32, township 17 south, range 8 east, in San Benito County, Cal., as yet undeveloped, but with oil indications equal to any of the undeveloped land in this famous county. The Yankee Girl also owns 80 acres in section 10, township 11 north, range 24 west, at Sunset, California, besides covering two producing wells in the Los Angeles city district. The stock is selling at 40 cents. The directory have among them such well-known men as the vice-president of the San Francisco National Ice Company, a civil engineer of San Jose, and the president of the Ice and Cold Storage Company at the same place. It has a low capitalization, non-assessable stock and no debts.

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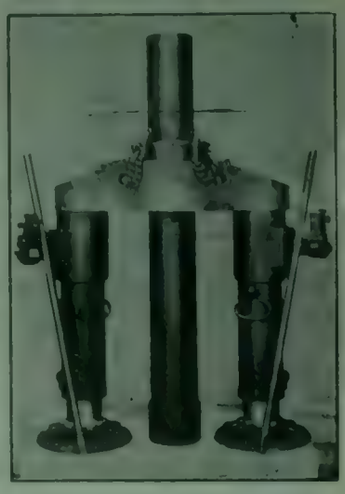

This jack is self lubricating, provided with ball bearings, giving maximum of efficiency with minimum of friction. No blocking required, as the hold of the ring and slips is absolute. Convenient to operate, light and durable. For prices and particulars address

M. G. WEST, 216 California Street, San Francisco.

Struck Oil
South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,057 feet, with every prospect of striking oil.

In order to prove this land I will sell

50 ACRES AT $100 PER ACRE.

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None but principals need apply. For particulars address

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Success camps with success.

"Then follow success."

Follow me! ! !

With 14 producing companies I've broken the record—7 to 1.

Where would you have been, had you followed me?

The secret of my success lies in the fact that I place my clients on proven property.

I let others "wild-cat" and "prospect."

I'll be their neighbor IF they strike oil.

Write for a FREE copy of my "ILLUSTRATED OIL FIELDS," which describes the origin of oil in all its phases, where it is found, etc., etc.

References: San Francisco Banks.

Authentic information furnished regarding any oil company in the State of California.

I have trustworthy data always available.

Correspondence welcomed.

JAMES R. T. MERSHON

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Rooms 537-8-9

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Leading Companies Now Operating in California.

BONITA OIL CO

Capital $500,000

200,000 shares at $2.50

Location: 160 acres in Sunset district, Kern county.

Officers and Directors—O B Burns, president, Wm E Stevens, vice-president, F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.

Office: 807 Claus Spreckels building, San Francisco, Cal.

CALISTOGA OIL AND DEVELOPMENT CO

500,000 shares par value $1

Operating on 2320 acres located in Napa, Yolo Fresno, San Benito Monterey and Kern counties Officers: L D Hitchcock president, R B Todd vice-president and manager, B F Edwards, secretary; J M Caselman, treasurer, Dr H G Thomas and Dr E J Boyes. San Francisco National Bank, depository. Office, 23 and 24 Merchants Exchange, San Francisco, Cal.

CYGNET PETROLEUM CO.

Capital $150,000

50,000 shares at $3.

Location—Fresno county.

Directors—Chas L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.

Office—561 Parrott Building.

Tel.—South 184.

CARIBOU OIL MINING COMPANY.

Capital $100,000

100,000 shares at $1.00.

130 acres in the Coalinga district, Fresno county.

Officers and directors—John Moss, President; Wm. A. Spinks, Vice-President; Aug. Waterman, Secretary; C. C. Spinks, Supt.; W. H. Sigourney, R. H. Countiss.

Office—Room 40, Nevada Block, San Francisco.

CUYAMA VALLEY OIL COMPANY.

Capital $1,000,000

1,000,000 shares at $1.00.

Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.

Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.

Pacific States Mining & Investment Company, fiscal agents

Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.

Incorporated.

McKittrick district. 16 completed wells; 110 acres proven ground.

Office, 330 Pine St., Room 5, San Francisco, Cal.

EL MEDIA OIL COMPANY. Incorporated under the laws of Arizona, January 2, 1901. Capital, $500,0 o. Number of shares, 500,000 Lands, 160 acres in McKittrick district. Officers and directors: President, John Arthur Drinkhouse; vice-president, Ralph E Grover; secretary and treasurer, George M Wilcox; George M Flint, George W Austin, George Quarre, Piero Rossi; Hon E E Ellinwood. Arizona Representative; O C Pratt, attorney; depository California Safe Deposit & Trust company. Office, 322 Safe Deposit building, San Francisco. There are 250,000 shares of treasury stock, of which a limited number are now offered at 25 cents per share, subject to advance without notice.

FOREST CITY OIL COMPANY. Incorporated January, 1901. Capital, $500 000 Shares $1.00 each. Officers and directors: Nestor A Young, M D, president; George M Stevens, vice-president and general manager; Frank Records, secretary; Central Bank, treasurer; T L Ball and C C Carver. Stock full paid and non-assessable. Holdings are absolutely certain oil territory. Well No 1 completed and pumping Offices, 229-231 Laughlin block, 315 South Broadway, Los Angeles, Cal.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND

Capital $250,000

250,000 shares at $1

125,000 shares of treasury stock,

Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.

Officers, B F Arnold, President, Geo A Gray Secretary.

Office, 476 Tenth street, Oakland,

HECLA OIL COMPANY. Incorporated under the laws of Arizona, March 12, 1901. Stock absolutely non-assessable. Company owns 160 acres of choice oil land in the Sunset Oil district, Kern county, California. Capital stock, 1,000,000 shares; Par value $1.00 per share. Officers and directors: Dr F E Fletcher, president (connected with the Calumet & Hecla copper mines for 23 years); Capt John H Marshall, vice-president; Chas L Warfield, secretary, Perle M Johnson, treasurer; Patterson Sprigg, attorney. Office of the company, room 20, 1015 Fifth street, San Diego, California.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook, M. F. Cochrane, D. S. Stanley, F. F. Weed, T. M. Gardiner, I J Truman, Jr., P. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. F. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building), Room 316, San Francisco.

MONTEREY OIL DEVELOPMENT CO

Capital $1 000 000

1 000 000 shares at $1 each

Location of lands Coalinga oil fields, Fresno county 160 acres Panoche oil fields San Benito county, 160 acres Monterey county oil belt 4280 acres

Officers Dr J L Roberts president, J B S Maltby vice president J F Moore secretary D J Houghton treasurer Bank of Monterey depository Office at Monterey City Cal

ORIENTAL OIL COMPANY Capital $[illegible] [illegible] shares at $[illegible] Location Kreyenhagen oil district Kings county Officers L B McMurtry president H H Harlow vice president E W Kay secretary and manager Office, Room 406 Parrott building San Francisco

OCCIDENTAL OIL CO OF WEST VIRGINIA

Capital stock 600 000 shares par value, $1 00

Officers Wm Crites president F M Graham vice-president, J B Bats treasurer C E Hailstone, secretary T L Moran, manager. Kern Valley Bank, Cal Depository

M R Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY OF WEST VIRGINIA

Capital stock, 600,000 shares par value $1 00

Officers—Wm Crites president, F M Graham, vice-president, J B Bats treasurer, C E Hailstone, secretary, T L Moran, manager, Kern Valley Bank, Cal, depository

Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683

OBISPO OIL COMPANY. Capital $1,000,000. Number of shares, 1,000,000 Treasury stock, 500,000 shares All stock fully paid and non-assessable Incorporated under the laws of California. Properties in Kern, Fresno, San Benito and San Luis Obispo counties, Cal Incorporators: G R Parkinson President Bank of Palo Alto; Captain Frank Barrett Palo Alto, Cal; K W Brown, Fresno, Cal, Chas E Bond, Minneapolis, Minn.; C F Alderson Chicago, Ill. Officers: John F Giles, president; Frank Barrett, vice president; Chas E Bond treasurer; C F Alderson, secretary, K W Brown, assistant secretary Office, Suite 74, Citizens Bank building, 119-121 La Salle street, Chicago, Ill.

POTOMAC OIL COMPANY. Capital stock, $2 850,000; Par value, $1.00 Has 2,000 acres in Kern, Los Angeles and Summerland fields, with 26 producing wells. Officers and directors: P V Schermerhorn, president; C H Ritchie, vice-president; R D Robinson secretary and treasurer; D M Schermerhorn and W S Morton. Principal office, Potomac building, Los Angeles, Cal. Tel John 2281.

SALINAS OIL AND DEVELOPMENT COMPANY. Capital, $1,000,000. 1,000,000 shares at $1 00. Land in Monterey county. Officers and directors: President, W N McCarthy, San Francisco; vice-president, J J Gunn Independence; treasurer, Wm N McCarthy; secretary J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco Office, room 573-574 Parrott building, San Francisco.

SURETY OIL COMPANY

Capital $600,000

600,000 shares par value $1.00 each.

Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district

Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.

Farmers and Merchants Banks, depository.

Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE

Capital $500,000

500,000 shares, par value, $1.

Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.

Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.

Brant and Brown, attorneys.

Office: Room 1, 85 S First st., San Jose, Cal.

San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.

Incorporated under the laws of the state of Arizona, October 3, 1900.

Capital stock, 200,000 shares, valued at $1 per share, or $200,000.

Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.

Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.

Depository: First National Bank of San Francisco.

Safe Deposit Vaults, Union Trust company, San Francisco, Cal.

Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.

Capital $300,000

Treasury stock $150,000

Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.

Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.

Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.

Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.

Two Standard rigs operating at present time.

Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 7 Galtes block, Bakersfield, Cal.

U. S. OIL AND MINING CO.

Capital $300,000

Par value, $1 per share.

Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.

Office—211 19th street, Bakersfield, Cal.

UNONA PETROLEUM COMPANY Capital $[illegible] [illegible] shares at $1 00 each Incorporated under the laws of California Location 160 acres Midway district Kern county leased from Bay city being 80 acres in N½ of SW¼ section 22 [illegible] and 80 acres S½ of SW¼ section 4 [illegible] Officers Geo W Turner president Geo Hanshaw vice-president L N Sewell secretary and treasurer, W R Stammers manager H W Merrall J H Dorn W W Hutchinson Maurice V Samuels attorney Union Trust company depository Office, 301 Safe Deposit building San Francisco

WILD GOOSE OIL COMPANY

Capital $500,000

100 000 shares at $5

Location 820 acres in Humboldt county

Officers Claus Kroeger president, A F Coffin vice president, H C Tilden, E L Dow, N H Eaton, L F Swain, secretary

Office 327 Pine street, San Francisco, Cal

Telephone Main 671

WALDORF OIL AND ASPHALT COMPANY Incorporated Feb 25 1901 Capital $[illegible] [illegible] shares at $1 00 per share Place of business Hanford Cal Headquarters at McCord & Son Location of lands, 1, 2, [illegible] Guadalupe Santa Barbara county Cal Officers and directors, Geo B McCord president Hanford, Dr N P Duncan, vice president Hanford J O Hickman, treasurer Hanford, Wm M Madden, attorney for company San Francisco, W H Worswick field superintendent Hanford, F Brader, Hanford, N Weisbaum, Hanford, L S Chittenden, Hanford, W H Worswick, Jr, Hanford Jas Manasse, secretary

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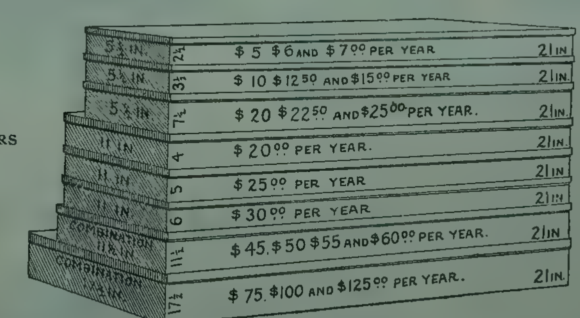

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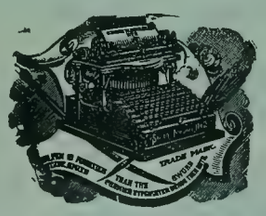

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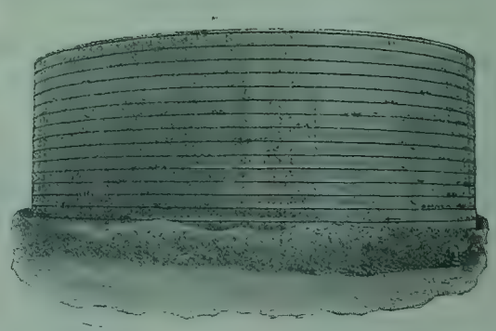

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DIVIDENDS

Dividend No. 1 has been authorized to be declared Nov. 15th, payable to the stockholders of the Ventura Consolidated Crude Oil Company. This company has made surprising progress in the past four months. It now has three producing wells and work progressing on No. 4. With 2720 acres of oil land and a rich gold mine in Arizona there can be no doubt of the present investment value of this stock. Limited amount of treasury stock now offered at 15 cents per share, par value, $1.00.—Full paid—Non-assessable. Agents wanted in every town. Address all orders for stock or further particulars to

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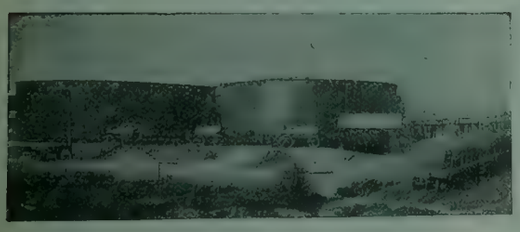

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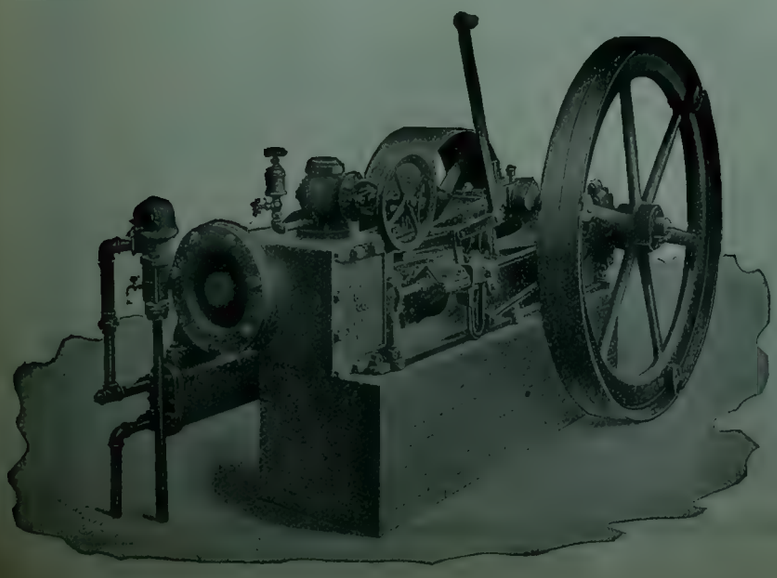

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(2) The Company has a special concession for 50 years, granted to it by the Costa Rican Government, giving to it virtually a monopoly of the coal and oil trade of Central America.

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(4) The Company also has concessions for railways, telegraph and telephone lines, wharves, moles, and harbor-works, is exempt from all taxes, pays no custom duties on imports, all of which is very valuable and will permit of the forming of subsidiary companies in which the Costa Rica Petroleum & Coal Company will be interested

(5) The Concession includes a grant of 400 meters in every nautical mile on both the Atlantic and Pacific Coast of Costa Rica which it may need for its business, not otherwise occupied. This means new ports, townsites and wonderful development-opportunities—all of immense profit value to the Company.

(6) The Company owns its land outright and original deeds can be seen at the office of the Fiscal Agents at 326 Post St., San Francisco, certified to by the President of the Supreme Court, the Minister of Justice, the Minister of Foreign Relations and the American Consul in San Jose de Costa Rica. This land is best tropical agricultural land and contains thousands of wild rubber trees, valuable woods and other natural treasures. The Company may work it itself or lease it to others for plantation purposes.

(7) The management is in excellent hands, comprising prominent business men and bankers of America and Europe.

(8) The stock is now only 25 cents per share, but will soon advance to 50 cents or more. $5 per share is a possibility before long. Only a limited number of shares still to be sold.

The Concession of the Costa Rica Petroleum & Coal Company was published in the "Gaceta," the government organ of Costa Rica in the issue of July 24, 1901. The "Gaceta" can be seen in every Costa Rican Consulate throughout the world. The San Francisco Consulate of Costa Rica has received instructions from His Excellency, Dr. J. B. Calvo, Minister from Costa Rica at Washington, to give all official support to interests of the Costa Rica Petroleum & Coal Company.

See reports of CARLOS IGLESIAS, M. E., (brother of President Iglesias of Costa Rica.)
DR. E. HENRICI, the eminent German Geologist.

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VOLUME 2 NUMBER 47

PACIFIC OIL REPORTER

SAN FRANCISCO CAL., FRIDAY, SEPTEMBER 27, 1901

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PACIFIC OIL REPORTER

VOL. 2. NO. 47. SAN FRANCISCO, CAL., FRIDAY, SEPTEMBER 27, 1901. PRICE, TEN CENTS

THAT OIL CONTRACT.

Union Oil Company Successful Bidder.

It now appears that the Union Oil company was the only bidder for the oil contract of L. M. Thurston, to be delivered at Kahului, Maalae, and Hahaibaluna, Island of Maui, Hawaiian Islands. A number of other parties figured on the contract, which originally called for 1,000,000 barrels, to be delivered in five years at the rate of 200,000 a year, but subsequently the amount was reduced to about 125,000 barrels per year. The sugar companies for which the oil was intended refused to give a guarantee that sugar would be forthcoming for the return trip, and in the absence of this guarantee all those contemplating a bid withdrew with the exception of the Union, which is best placed for shipping by sea, and already owns a barge for that purpose. It is understood that the plans for the tank steamer for this purpose are already under consideration.

The price was $1.40 delivered at the islands. As the harbors at the point of delivery are not accessible to steamers it is expected that a submarine pipe-line device similar to that suggested by Mr. A. S. Cooper in a recent issue of the REPORTER will be used to pump the oil from the steamer to the shore.

OIL IN NEVADA.

Abundant Indications That Oil Can Be Found.

The question of oil at Elko has aroused a great deal of interest in Nevada.

The oil-bearing formations lie about one-half mile south of the town of Elko, and run in a northeast and southwest direction, a distance of about seven miles either way, Elko seeming to be the center of the belt.

Directly across the Humboldt river from Elko are found the large beds of shale, saturated with paraffin oil. A great number of analyses have been made at different times of this shale, and the saturated shale is shown to consist almost wholly of vegetable matter, paraffin, and oils, with a small amount of silica and lime, averaging about 16 per cent paraffin, 6 per cent high-grade lubricating oils, and 24 per cent lighter oils and volatile matter. Then there is the lighter clay shale full of fossilized vegetation, ferns, leaves, etc. These shale beds are fully three and one-half miles in length and one and one-half miles wide, with a dip of about 20 degrees. Lying back of these shale beds are the fossil limestone formations, pitching under the shale at about the same angle, and then the sandstone and conglomerate under the fossil lime. This appears to be the western fold of the anticline.

The Eastern fold of the anticline shows first at the summit a stratum of coarse conglomerate, some of the boulders weighing at least twenty pounds. This stratum is from sixty to 100 feet thick, then a stratum of gravel that is from 300 to 500 feet thick; then a stratum of fine sandstone of about the same thickness as the gravel. This sandstone and gravel is highly impregnated with iron and sulphur, and the hot mineral springs, as well as the cold ones, along this belt, show these minerals, as well as others in abundance. Lying on this fine sandstone is a stratum of fossil limestone, containing fossils of marine life in great profusion. This stratum of fossil rock appears to be from 400 to as high as 1200 feet thick, and extends unbroken for several miles; then, finally, on top of it is found another stratum of fine sandstone. These different strata are fully exposed to view and can be plainly seen and measured.

The only evidences so far found of oil seepages, aside from that in the shale, is where the south fork of the Humboldt river cuts its way through this formation. At this point numerous places have been found where the oil oozed out, the crevices through which it flowed having since become filled with parafin, the lighter oils having volatilized. During the hot summer months these rocks become heated and this paraffin base is continually dripping from these seams and sand. These drippings have been analyzed and found to consist of from 42 to 66 per cent paraffin, the remainder being dirt and foreign matter. Then at one other place on the belt (in section 28, township 35 north, range 56 east) the sandstone has been sheered away and here this same paraffin seepage has been found.

PIPE LINE ASSURED.

The Standard Oil Company Will Start Immediately to Lay an Eight Inch Pipe Line from Kern County to the Bay.

The PACIFIC OIL REPORTER is glad to announce to the oil men o California and to all those directly and indirectly connected with the oil industry of California it has received authoritative and exclusive information that a pipe line will be laid at once from Kern county to San Francisco bay.

The Pacific Coast Oil Company, which is in reality a sub company of the Standard Oil, has had engineers at work for nearly a year experimenting with and trying to devise a way whereby the Kern River oil can be handled by means of some kind of a pipe line.

Many difficulties had to be overcome before the pipe line could be successfully operated, the greatest difficulty being on account of the low gravity of Kern River oil, it being so thick and heavy as to make it doubtful if it could be forced 250 miles through a pipe line, having but little grade.

The problems presented have finally all been solved, and the company has decided to go ahead as rapidly as possible with the work of laying the line.

Men are now at work getting the right of way from the Kern River oil fields to tidewater, and the larger portion of the right of way has already been secured.

The pipe has been purchased, and the necessary machinery is now being built in the East.

The work of laying the pipe will commence very shortly. Eight-inch pipe will be used, and pumping stations will be established at regular intervals.

It will not be found necessary to use distillates to thin the oil in order to force it through the pipe. The line when completed will cost over two million dollars. It will solve the problem of freight rates.

The news itself of the sure and early completion of the pipe line will have a marked and immediate effect on the oil industry, raising the price of oil, and stimulating the sale of the stock of legitimate oil companies. The PACIFIC OIL REPORTER regards the pipe line as being the most beneficial enterprise for the oil industry that could possibly be undertaken.

Tank Steamer George Loomis used in transporting oil from Ventura to the works of the Pacific Coast Oil Company at Alameda. This steamer is the first of a fleet of tank oil steamers that will soon be sailing from San Francisco to the Hawaiian Islands and elsewhere. The Union Oil Company will have two and the Standard Oil Company two. Each will have a capacity of 30,000 barrels.

A BIG REFINERY.

One With a Minimum Capacity of 2,000 Barrels a Day to Be Immediately Built at Point Richmond.

Within the next twelve months, and probably within the next seven months, the plant of the Pacific Coast Oil Company in Alameda County will be moved to Point Richmond, Contra Costa County. where a site comprising 110 acres has been purchased.

This change has been determined upon for several reasons.

In the first place, the ground now occupied by the Pacific Coast Oil Company in Alameda is entirely too small for the rapidly increasing business of the company. The ground comprises only eleven acres, and the land adjoining is held at town lot prices.

Another reason for the proposed change is the fact that whereas the steamer "Loomis," now engaged in transporting oil from Southern California to the refinery, can reach the wharf at Alameda without difficulty, yet the approach to the wharf is entirely too shallow for the vessels that will soon be engaged in transporting oil for the Pacific Coast Oil Company between California and the Hawaiian Islands and elsewhere.

In the third place, the capacity of the present plant is not sufficient to meet the requirements of the constantly increasing business of the company. The new plant which will be immediately erected at Point Richmond will have a minimum capacity. It will refine 2,000 barrels of crude oil daily. The plant, however, will be so constructed that it will be able to handle a very much larger quantity of crude oil if necessary.

Although up to the present time but a very small quantity of refining oil has been discovered in northern California the chances are that any day a new district will be opened up which will supply large quantities of oil suitable for refining purposes, and of a value equal to the Fullerton oil which is at present worth $1.40 a barrel at the wells. At the present time, wells are being drilled in most of the northern counties in the firm belief that refining oil will be struck in large quantities. If this oil should be struck, as expected, the capacity of the new refining works to be constructed at Point Richmond will be tested to the utmost.

In regard to exporting the California crude product, the Standard Oil company has ordered one of the tank steamers now in use on the Great Lakes in the East, to be sent immediately to San Francisco.

This steamer will have a capacity of 35,000 barrels and is due to arrive here in about three months. Another steamer of like capacity has been ordered and is now being constructed so that within a few months the Standard Oil company will have two tank steamers engaged in making monthly trips to the islands. It is expected that the island trade will require at least 30,000 barrels per month.

As it has now been practically determined that large sugar refineries will be at once erected in the islands, the amount of oil consumed for fuel purposes will be greatly increased.

The purpose of the Standard Oil company in establishing an immense oil refining works at Point Richmond is to refine all the oil owned by the company in the State at one point, making a large saving in transportation. The loss of the refining works to Alameda will mean much to that city, as over fifty men are employed there.

All the tanks and machinery in the Encinal City will be removed, part of it by water and part by rail, and not a vestige of the refinery will be left in Alameda. The growth of the oil industry in California is responsible for the big enterprise of the company. The new plant will also contain extensive tankage for a fuel oil supply, being a point for distribution by barge around San Francisco Bay. The enterprise will mean much to the coast. W. S. Rheems, who is the superintendent and manager, was brought out here from the big works at Whiting, Indiana, and will have charge of the construction of the new works.

The Pacific Coast Oil Works at West Alameda were started twenty-two years ago. The refinery has been in continuous operation since, and was absorbed by the Standard Oil corporation about a year ago. At present crude oil is brought to the works on the steamer George Loomis from Ventura County, being first conducted through a pipe a distance of forty-five miles from Pico Canyon. Gravity is used for the entire distance. At the Alameda end it is led into a pipe connected with the works at Alameda Point and pumped the remaining distance. The Alameda refinery has been one of the important industries of the Encinal and its loss will be keenly felt. The plant at Alameda is extensive, but a small one compared to that which it is the intention of the company to erect at Point Richmond. It will be a big undertaking to move the immense tanks and other machinery at Alameda.

A FERTILE FIELD.

How a Village of 1500 Yielded $5,000 for Oil Stocks.

A letter just received by the PACIFIC OIL REPOTER from Hertford, North Carolina, would indicate that this little village of 1500 inhabitants has proved to be a most satisfactory ground for the operation of one of the most skillful and successful sellers of oil and mining stock who has yet operated in the small towns of the east. His name is Vernon, but he is by no means verdant in the art of an oil promotor and seller of stocks.

A portion of the letter reads as follows:

HERTFORD, N. C., Sept. 12, 1901.

PACIFIC OIL REPORTER, San Francisco—Dear Sir: I write to ask you if possible to give me some information of the Syndicate Petroleum company, McKittrick District, Kern County, on a portion of section 29, promoted by J. W. Heisner & Co., now located at 612 Parrott building, San Francisco. The president of the company is U. S. Senator John H. Mitchell of Oregon. He has been promising for eight months at least to report at any moment a large producer, and this was held out long enough to sell in our little town of only about 1500 inhabitants 30,000 shares. Of late months we can get no information at all. We don't know whether we have been sold out or not. We took some stock in a go'd proposition also. That company haa been reorganizing and our stock was cut down just one-half. He is now promoting what is known as the Western Oil Land and Engineering Company, with John H. Mitchell, U. S. Senator, president; William J. Morgan, vice-president; F. J. Cordes, treasurer; George W. Root, general manager; Captain J. W. Heisner, secretary. So far as we are concerned Heisner is a captain all right. He also represents an oil company known as the Bankers and Brokers in San Benito oil district. I think our little town has about $5000 invested, mostly with the companies of Mr. Heisner, and we think it as little as he can do to let us know what is going on. Please call upon them for us. It is hard for me to believe that a Senator of this great country of ours would lend his name for the purpose of catching Eastern suckers, as the term goes. You never heard such flattering prospects. We were made to believe we would become millionaires very soon if we just invested in the Petroleum Syndicate Oil company. Its property adjoins the Dabney property.

Very truly yours.

It may be well to state that Mr. Vernon, after unloading several thousand shares of oil stock on the people of Hertford, left for other pastures, but finally got swamped in Norfolk, Va., from which place he disappeared, leaving his grips, clothes and other personal property in the hands of his hotel keeper.

The company for whom he had been successfully selling stock knew nothing of his whereabouts until last week when a letter was received by the hotel keeper at Norfolk, asking him to forward Mr. Vernon's property to another small town somewhere in Virginia.

In regard to the Syndicate Petroleum Company, it may be said that this is a Portland enterprise, and the president is Senator Mitchell of Oregon. That gentleman has little to do with the affairs of the company. He is now in Europe, and has been for some time, but the promoters of the company have used his name for the purpose of selling stock, and the result has apparently been satisfactory to them.

The company is certainly badly managed. They drilled a well in McKittrick and after the well had been drilled something like 1000 feet and several thousand dollars expended upon it, it was discovered that the well was drilled on the land of the Dabney Oil Company. The casing was pulled and the rig removed before the Dabney company was aware that the well had been drilled on their land. Another well was started and has been sunk between 500 and 600 feet with no oil in sight. Lack of money at present prevents work upon this well.

The Western Oil, Land & Engineering company is another concern which has Senator Mitchell for its president. Geo. W Root, clerk of the Supreme Court, is general manager. Mr. Root says he is doing nothing with the company. No stock has been sold and and it seems to be impossible to sub-lease lands held by the company. The Bankers' and Brokers' company is principally a San Benito company proposition and is not doing much now in the line of business. It claims to have some land south of Hollister which is outside the proven belt. This company also has some land in the Kern River district northwest of the proven territory.

The same gentlemen are also operating the Mountain View Gold Mining Company, and claim to have property located in the Cracker Creek district near Sumpter, Oregon. The property is yet undeveloped and no dividends are likely to accrue to the stockholders for some time.

Kern County Assessments.

Linda Vista—No. 1, 3 cents; delinquent October 10th.

Del Monte—No. 1, 10 cents; delinquent October 1st.

Wellington—No. 2, 7 cents; delinquent September 25th.

Acme—No. 1, 3 1-3 cents; delinquent September 30th.

Sea Breeze—No. 4, 1 cent; delinquent September 26th.

Petrolia Land and Oil—No. 1; delinquent September 30th.

Minnehaha - No. 1, 5 cents; delinquent September 25th.

Petroleum Center—No. 4, 5 cents, delinquent October 4th.

Imperial—No. 1, 2 cents; delinquent September 19th.

Prosperity—No. 1, 1 cent; delinquent September 19th.

Grand Prize—No. 4, ½ cent; delinquent October 5th.

Zaca Lake—No. 1, ¼ cent; delinquent October 12th.

ENGLISH OIL AND GAS ENGINES.

Showing Made at the Glasgow Exhibition.

There is nothing of great novelty in the way of oil and gas engines at Glasgow, but all the standard types are well represented in the Machinery Hall—some of them exceptionally so. The most extensive display of both descriptions of engines is that made by Messrs. Crossley Bros. of Manchester. The Petroleum Review states that the majority of these exhibited were gas engines, but no oil engine was at work, but the specimens of the latter on view were fine machines and worked with their usual facility. The stand arranged by Messrs. Crossley Bros. included the following engines:

The largest oil engine on the stand is that known as type "RR," of 10 effective horse-power. This engine is so constructed that it will run as well and as economically with a light load as with a heavy. It is fitted with a piston valve, and works with ordinary petroleum, such as "Royal Daylight."

In addition, there were other types known as "NN," of 5 horse-power effective, and "JS," 1½ effective horse-power, all standard oil engines. These oil engines are extremely economical, both at full and intermittent loads, and the working of them is easily understood. The workmanship and material are excellent throughout.

In regard to the gas engines this firm, of course, make a specialty of them, and those comprising their exhibit are undoubtedly representative. The engines can be run with Dowson gas as well as Mond gas—the latter at a much cheaper rate in spite of a larger quantity of gas being required.

Among those shown is one of the firm's new type "H," which is the smallest size horizontal gas engine made. It is of ¾ horse-power effective working load, and its speed is 300 revolutions per minute. This engine is fitted with flywheel, pulley, sensitive governing arrangement, and porcelain tube ignition. It occupies little space and is also very economical.

It is specially applicable to domestic use and to amateur workshops.

Another is type "L," of 5 horse power effective, fitted as the former one but with centrifugal governor. The governor of this engine is of the same elaborate type as supplied with the largest engines made. The engine is also fitted with the usual loose liner crankshaft cut out of solid steel forging, and in all respects it is built on the same lines as the bigger engines.

The latest design of the standard type of medium sized engines, type "O," is of 11 horse-power effective. Type "S" machine, which is of 20 horse power effective, can be adopted for use for electric lighting, running at 250 revolutions per minute, the ordinary speed being 180. Its consumption is about 15 cubic feet of gas per brake horse power.

The combination of gas engine and dynamo is represented by their engine, type "PE," 18 horse-power effective easy working load speed 250 revolutions. This engine is fitted with an exceptionally heavy flywheel 6' 10½" diameter by 5½" wide; the shaft carrying balance weights to eliminate vibration. The dynamo is of the Thomson-Houston manufacture, and the plant has a capacity of about 11½ kilowatts. The engine is a special type of high speed sensitive electric lighting engine, and with this combination an absolutely steady light is guaranteed.

Other types of engines are shown, including type "UE," high speed electric light engine, built on the same lines as the above "PE," but for engine only. If preferred, the dynamo can be coupled to the end of the shaft, the same as the above referred to. This "UE" engine is 71 horse-power effective easy working load; speed 220 revolutions; flywheel 8-foot diameter.

The Campbell Gas Engine company, of Halifax, is represented by an excellent show also in the Machinery Hall. The oil engines exhibited being of various sizes and powers, having 1 3 brake horse-power, 4 brake horse-power, and a gas engine of 16 horse-power for use in electric light work. The same firm also exhibit a special mine pump run by one of their engines.

The Acme Manufacturing company, of Ashton-under-Lyne, have several excellent specimens of their engines; two of these are for gas, one for gas and oil, and one for oil. The latter is of 4 effective horse-power, running at 230 revolutions per minute, and having a fly wheel of 44 inches diameter. The engine for either gas or oil is of 272 effective horse-power runs at 270 revolutions, and has a flywheel of 35 inches and weighs 10 cwt. The two gas engines are of 9 and 26 horse-power respectively, with speeds of 200 and 180 revolutions, weights of 25 and 77 cwts., and fly-wheels of 54 and 66 inches diameter.

Messrs. Pollock, Whyte & Waddel have a good stand of their Globe gas engines from 6 to 75 horse-power. The National Gas Engine company have also an imposing array of their gas engines, ranging from 5 to 40 indicated horse-power.

The latest way proposed for conveying nitro-glycerine to the wells is by automobile. As something in the line of a substitute relays of buzz saws might be suggested.

20c 20c

The "Reliable and Strictly Legitimate"

STANDARD ROCK OIL CO.

Do you wish to make money? Then be careful and invest only in a sound and safe company! This stock is non-assessable! **Oil guaranteed!**

Land lies ½ mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick. There is no superior land to ours in any district.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it. Why invest in a fake company making false promises o immense dividends on lands which will not produce a barrel? Ours is absolutely proven; failure impossible!

All our neighbors have large producers!

Within 150 feet to 500 yards.

50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near famous Home Oil Company and 160 acres adjoining an oil well in Napa Valley.

Drilling will begin in four weeks and well will be completed in sixty days, which, according to all our neighbors will be a very large one!

Inside of a few weeks 50 cents per share.

Delays cost money. Send for prospectus.

STANDARD ROCK OIL COMPANY

475-476 Parrott Building

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Latest Kern County Maps

Free

The PACIFIC OIL REPORTER has received from the publishers, Hall, Barlow & Austin, a large consignment of up-to-date, accurate, indexed maps of Kern County, Cal.

These maps show the location and holdings, wells, etc., of every company operating in the following districts:

Kern River Oil District

Sunset Oil District

Midway Oil District

McKittrick Oil District

These maps are published in pamphlet form and are properly indexed so that any one can find at a glance the location of any company desired.

We have purchased a large quantity of these maps and will present them free of charge to those who pay $2.50 in advance for one year's subscription to the PACIFIC OIL REPORTER.

The regular price of these maps is 50 cents each. They cost nothing to the subscribers of the PACIFIC OIL REPORTER.

Send money by Postoffice order, Wells-Fargo Express order, or stamps, to

PACIFIC OIL REPORTER

318 PINE STREET, SAN FRANCISCO

PACIFIC OIL REPORTER

Published Weekly

The Oil Authority of the Pacific Coast.

Endorsed By the California Petroleum Miners' Association.

W B. WINN, Editor and Publisher

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Entered in the Postoffice at San Francisco, Cal as second-class matter.

FRIDAY, SEPTEMBER 27, 1901.

Pipe Line from Kern

The talk about a big pipe line from Kern county to tide water is gradually assuming more definite shape. As yet no one corporation has decided to go ahead with the enterprise, not so much on account of the capital required as on account of the fact that a wet blanket has been thrown upon it by the constant talk that it will be impossible to force oil of such heavy gravity as is the Kern county product through 250 miles of pipe which has a fall, from beginning to end, of only 415 feet.

This is an objection which ought to have no weight. Kern county oil has a peculiar value not merely for fuel but also for other purposes. The Jewett refinery has proved that the asphaltum product of Kern county oil is extremely valuable, and that the demand not only exceeds the present supply, but is constantly growing.

If experiment proves it impossible to force the oil through the pipe line even if pumping stations are established, the oil can be thinned with the distillate that comes from the refining process, and thus thinned it can easily be piped to tidewater, while the asphaltum obtained can be sold most advantageously.

The cost of such a line can easily be met once the practicability of the enterprise is established. An eight-inch pipe-line such as is used in the East will cost not to exceed $1.50 a foot. Calling the distance 250 miles, though really it will be less, the total cost of the line will be less than $2,000,000. By the time such a pipe line could be laid it would carry yearly at least 2,000,000 barrels; and if the price received was 20 cents a barrel, against which the railroads could not well compete, the line would yield a revenue of $400,000 a year, the profits of which would make a neat dividend to the bond-holders of the line.

The money part of the enterprise can easily be handled. All that need be done is to establish the fact to the perfect satisfaction of capitalists that such a pipe line would be a practical success, and that Kern oil can be made to run to tidewater.

When that is proved, a pipe-line is as good as built, and oil producers can snap their fingers at the railroads.

SINCE THE ABOVE WAS IN TYPE WE HAVE RECEIVED AUTHORITATIVE INFORMATION THAT THE PACIFIC COAST OIL COMPANY, OTHERWISE THE STANDARD OIL COMPANY, WILL COMMENCE IMMEDIATELY THE WORK OF LAYING A PIPE LINE FROM BAKERSFIELD TO TIDEWATER.

Tank Steamers Soon to Arrive

Before long San Francisco will soon present the sight now so common in the east and in Europe of tank steamers arriving and departing, each transporting to and fro 30,000 barrels of oil, either crude or refined.

The Union Oil Company and the Standard Oil Company will each have two such steamers all of them being constructed on the latest designs of oil tank steamers, and together furnishing the means by which an average of 120,000 barrels each month of California oil will be exported from this state to the Hawaiian Islands, and to the districts north and south of us. The steamers will tax the output of 40 wells, having an average capacity of 100 barrels a day, and with oil at the low price of 50 cents a barrel at the well will be the means of adding $60,000 each month, or $720,000 each year to the receipts of the oil producers of California.

These are facts, not figures based on speculative dreams. Those who decry the oil industry, who predict a continuance of the low price of oil, who say the supply of oil is greater than the demand and will always be greater, who discourage oil investments, ridicule the advisability of further oil developments, these calamity howlers ere long will see how groundless were their fears, how short-sighted was their policy, and will eagerly offer their capital to invest in enterprises that now are offered almost in vain.

Teamster for One Day

Father Yorke comes out boldly on the side of the strikers, roundly abuses employers and all capitalists, and says the strikers are peaceable, and should be supported.

Father Yorke's opinions are those entertained by all the thugs, walking delegates and disreputable foreigners in the city, and do not have much weight with the thinking classes, religious or otherwise. Father Yorke missed his calling, and instead of a priest ought to have been a labor agitator. He is literally a howling success in that role.

If the Father thinks the strikers are not given to the playful habit of beating and murdering those who, as non-union men, are endeavoring to earn their daily bread and support their families let him don the rough garb and leathern apron of a non-union teamster, cover his soft hands with old buckskin gloves, dirty his face, mount the teamster's seat, and drive a heavily loaded four-horse truck through the district south of Market street, without a policeman to guard him.

If his disguise is perfect and he will guarantee not to yell "Quit, boys, I am Father Yorke," we will gamble a thousand shares of oil stock against the buttons that are put on the Father's collection plate, that next day he will be sporting as pretty a pair of black eyes and as sore a head as ever rejoiced the heart of an Irish lad after a wake in the old country.

Try it Father. Sure it will be better than a penance.

More Refining Oil Wanted.

The Pacific Coast Oil Company will soon have in operation at Point Richmond one of the largest crude oil refineries in America. It will have a minimum capacity of refining 2,000 barrels of crude oil a day, and its facilities will be such that it will be able to refine a much larger quantity should it be offered. At present practically all the oil that can be refined by the company comes from Fullerton or Newhall and the supply is not keeping pace with the demand. The Pacific Coast Oil Company is watching very closely the attempts now being made in the different new fields in Northern California to find a refining oil in quantities large enough to prove profitable. Marin, San Mateo, Contra Costa, Napa, Colusa, Glenn, Mendocino, Shasta and Humboldt counties all apparently contain an oil that can be refined as well as the Fullerton oil, which is worth at the wells $1.40 a barrel. The present supply of refining oil could be increased by 5000 barrels a day without overstocking the market. A well that can yield fifty barrels a day of oil capable of being refined is more profitable than one yielding 200 barrels of the ordinary fuel oil.

It would be surprising if some of the wells now being drilled in the northern counties did not strike a large body of refining oil. Nearly all the companies and individuals drilling have plenty of money behind them. Their machinery is the best and strongest that can be obtained. Drillers of experience are employed. Most of them are expecting and are prepared to drill to a depth of 2000 feet and more.

The formation encountered is no more difficult of penetration than that encountered in the Eastern oil fields, where a depth of 2000 feet is not unusual

In the East a well can be drilled to that depth and a heavy casing put in which can stand driving and pressure, and the entire expense of such a well will not exceed $20,000, and often will not equal this amount by several thousand dollars.

There is no reason why California wells should prove more costly than those in the East. The difficulties encountered may be different and necessitate different methods, but experience is a good teacher and will soon demonstrate how the difficulties of drilling in Northern California may be easily and cheaply overcome.

Within a very few months the PACIFIC OIL REPORTER expects to chronicle some of the most profitable oil discoveries yet made in California, most of these being near San Francisco, or in the counties north of it. About the bay, or so close to it that pipe lines can be easily laid to tide water, a dozen drills are now dropping in the confident expectation of those behind the enterprises of striking refining oil. If a small proportion only succeed in their expectations the oil refining industry will soon add greatly to the wealth of California.

Bakersfield Refinery.

The McWhortor refinery is at full blast and the company is turning out large quantities of the refined oil together with asphalum and the other ingredients obtained in the process of refining crude oil. Mr. McWhortor stated today that as soon as the difficulty the company is having over the possession of the land is located upon, is straightened up the refinery will be enlarged and it will then be able to accomodate the trade demanded of it.

A dispatch recently sent out from an Ohio village conveyed this information: "An immense cavity in the earth, 250 feet below the surface, was struck to-day by oil drillers at this place, and into this has poured the water supply of the village. Wells on surrounding farms also have been drained. Drillers say the only hope of regaining the water supply is the possibility of striking a subteranean lake below the cavity." It is not stated what the peculiar conditions may be which would prevent the shutting of the water off above the cavity.

Two more large storage storage tanks will be erected near Ora Station soon.

SUNSET RAILROAD.

Will Be Completed About Next Week.

In the near future, and in all probability during the latter part of next week, regular trains will start from Kern City over the Gosford branch to Sunset, says the Californian. At the present time the graders are working near that place and the rails are within four miles of the terminus. The work will be pushed to a completion, and unless some unexpected delay occurs, the drawback which the producers in the Sunset field have experienced concerning the bringing in of machinery and provisions, will have been eliminated.

The residents of Sunset propose to hold a demonstration upon the completion of the road. A program will in all probability be arranged and all concerned will take part in celebrating the day on which they were provided with modern means of transportation.

Both Serve Their Purpose.

In making investments, extremely large amounts are not necessary to make one successful, for the man of moderate means, properly advised, has opportunities of quickly doubling his capital. Under incorporation great achievements are made possible through combining limited sums of hundreds, thus equaling the capital of the individual millionaire, making possible gigantic undertakings that are productive of enormous revenue. The dollar of the man of moderate means is equally as powerful as the dollar of the money king. Both serve their purpose; both are entitled to their proportionate profits.

That is why mining offers the greatest inducement for the person of limited means, because he is proportionately benefitted by the profits that accrue which are consequently much greater than those met with in any other field of human endeavor. Among the various companies whose outlook promises large dividends to their stockholders when their properties are developed is the Standard Consolidated Oil and Land company. Stock can be purchased in this corporation for 20 cents per share. However, this opportunity will not be available for any great length of time because this company is meeting with a very active demand for their 20 cent stock from investors of all classes and consequently the same is becoming rapidly exhausted. This is an occasion for consideration on the part of prospective purchasers of reliable oil securities.

A Trick that Failed.

A gentleman, who evidently held the opinion that all men are fools, recently tried to sell some land in Florida, in a neighborhood where an oil excitement had broken out. He proceeded to "salt" the oil well which he had started, and investigators were shown oil pumped from the hole. The oil was there, but not having been able to lay hands on the crude product, he had placed several barrels of refined oil into the well. The examining expert, however, was fully aware of the difference between the refined and crude product.

Standard Rock Oil Co

It seems almost unnecessary to call attention to this reliable oil concern, as they have been favorably before the public for several months. As all our old readers know the Standard Rock Oil Company owns 240 acres of proven oil lands in Napa and Fresno counties (latter land in famous Coalinga district) and has leased 92 acres in McKittrick district. Some time ago the company erected a derrick for the purpose of starting an oil well, but just then began the decline in the oil market, prices of oil went down to a point where profitable production became next to impossibility and this state of affairs has lasted for nearly five months. Now the market shows signs of recuperating and as soon as the company receives information that oil can be marketed at a fair profit, so as to enable the directors to pay some regular dividends to the stockholders, wells will be drilled, until twelve are completed. The directors considered it a waste of money to go ahead and spend the stockholders' money in sinking unprofitable wells, just in order to say that they have producing wells. Large producing wells are all right enough to have, but what good are they if the directors cannot pay any dividends to the investors? It is by far preferable to wait quietly and give the public a chance to invest their money with a good and reliable company such as the Standard Rock, at a low figure before actual developments start, as long as the company owns absolutely proven lands, than to pay three times the price in a producing company, which does not nor cannot pay any dividends under the present conditions of the oil market. Cui bono? Be patient and buy while you can get this A1 stock at 20 cents per share. As soon as this block of shares is exhausted, price goes to 50 cents, which will take place in a few days. Be wise and buy now.

Dr. Clarence Barrett, a Salt Lake chemist, does not propose to bore for oil, but intends to make it as the down-east farmer makes his cider. He has devised a process by which a large percentage of the valuable fluid contained in Utah shales and sandstone may be extracted and is now awaiting a patent on the method.—Salt Lake Tribune.

Los Angeles Stocks

A wider range of trading has characterized the business on the Los Angeles Stock Exchange during the week closing September 21st. This is significant of a growing interest in oil and mining securities and is a favorable augury for business in the immediate future. At this time last year stock trading on the exchange was more active than at the present time, but as compared with the past three or four months the present condition of the market is highly favorable. During the past six days there have been no sensational variations in quotations although some advances and declines have been registered such a condition being an inevitable result of spasmodic movements for the purchase or sale of particular securities.

Reed Crude has been slightly less active than formerly and prices a trifle off. The largest single transaction was 5000 shares which went over the board at 32½ cents. This was the lowest point touched during the week, prices on this stock ranging between 32½ to 34½ cents. Considerable Central was forced on the market recently bringing 91 and 91½ cents in thousand share lots. Alpha made its appearance again after an absence of several months and a thousand shares were picked up at 14½ cents, being a gain of ½ cent over former prices. Pacific Slope brought 3 cents in 5000 share lots. Brea Canyon is now quoted at $3.75 with $3.00 bid. Fullerton Consolidated is also figuring once more in the business of the board for the first time in several months. Thirty-five cents was the price paid for this security. Continental is still weak being offered at 50 cents with no takers. The coming assessment on Westlake keeps that stock down in the neighborhood of 4 and 4½ cents. A regular bid of 90 cents fails to bring out any Senator. Aztec which has been a stranger to local trading for a long time has again passed on the floor at $1.11.

Among the mining stocks, Arizona Giant appears fairly active once more although at greatly reduced figures. Sales were made during the week as low as 9½ cents. Mingus Mountain Copper continues to decline, having fallen from an asking price of 17 cents to 12 cents at which figure there were no buyers. Butte Lode is still in favor and continues to advance the last bids being $19.50 with $24.00 asked.

The above reports, showing as they do a wider range of trading and a slight advance of the majority of stocks, would indicate a somewhat stronger condition of the market than has existed for some time past.

Struck Oil
South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,057 feet, with every prospect of striking oil.

In order to prove this land I will sell

50 ACRES AT $100 PER ACRE.

EASY TERMS

This offer must be taken up at once or it will be withdrawn.

None but principals need apply. For particulars address

B. W. W.,

Care of Pacific Oil Reporter

318 Pine Street, San Francisco.

INCREASE IN PRICE.

Casing, Drive Pipe, and Oil Well Material Advancing.

The Bakersfield Californian, which is widely quoted for its reliable oil news, reports that local oil well supply men predict that the price of casing, drive pipe and other oil well material is bound to take a decided rise in the near future, though at the present time there has been no great change other than in the purchasing of material in carload lots from the yards there.

Heretofore a 10 per cent discount has been given to purchasers of the stock in quantities from the Bakersfield dealers, but this privilege has been withdrawn and 1000 feet of casing purchased from the stores on hand costs as much per foot as does 100 feet. However, by ordering from the mills and awaiting several weeks for the shipment the 10 per cent discount can yet be secured by the producers.

The Eastern strike has had a decided effect on the output of oil well supplies and they will, it is said, before many days, be very scarce. The supply houses of Bakersfield have a limited stock on hand and it is reported that the smaller sizes of casing are already becoming scarce. It is selling there at a figure considerably less than that received at Findlay, Ohio, and at other Eastern cities nearer the mills than Bakersfield is.

This increase in price will probably have some effect on the California oil companies and may tend to decrease development work for the time being, but it is not thought that any permanent ill effects will come from this cause.

THE ROCKEFELLER.

Work Soon to Commence in McKittrick District.

Mr. John W. McGowan, the promoter of the Rockefeller Oil company, has returned from a successful business trip in the Eastern states, much of his time being passed in the oil fields of Pennsylvania, where as a boy he spent a number of years, and in Pittsburg, where he placed a large block of the stock of the Rockefeller Oil company, and where he met Mr. John M. Guffey, the noted and successful Texas operator, who has made several million dollars from the new field, and who was induced by Mr. McGowan to invest quite heavily in northern California oil enterprises in Humboldt county.

The Rockefeller Oil company will commence drilling in section 34, 29-22, in the McKittrick district, within the next sixty days. The lumber for the rig, bunkhouse, etc., is already ordered and this work will commence at once. The machinery will be ordered immediately by Mr. McGowan, who will go East within the next two weeks.

Besides the McKittrick district Mr. McGowan has large interests in Humboldt county in the region lying between Petrolia and the upper Mattole districts, in the Cooskie range. In this region, which has been pronounced by experts as being sure to produce a refining oil, Mr. McGowan had a fine tract of 720 acres of the Weinsdorfer ranch which has been transferred to the Rockefeller Oil company.

It is in this region that John M. Guffey will commence operations. He has a tract of 1,200 acres, and it is expected that he will have his machinery and casing hauled at once before the rainy season sets in, when the roads become impassable.

His contract for the lease calls for the commencement of operations before May 1, 1902, and it is believed Mr. Guffey will start operations at once.

The land is nearly fifty miles from Ferndale, the nearest railroad station, but the roads are fair until the rains. If oil is struck a pipe line will be laid.

The oil thus far obtained is suitable for refining, but has not been found found in quantities sufficient to warrant a pipe line.

Oil in Arizona.

Pro. Theo. F. Van Wagenen, writing to the Mining Reporter, shows that he has given very considerable study and observation to the petroleum question, and in writing on the petroleum possibilities of the west, concludes that so far as Arizona is concerned, the discovered fields where the possibilities are good for the development of oil are in the valley of the Little Colorado around Holbrook, in the Tonto Basin, in the middle and lower San Pedro and the Sulphur Springs Valley.

He adds: "The interior basin locality which seems most favorable for a gushing pool is that at Yuma, the bulk of which is in Mexican territory. Here the conditions are very similar to those around Beaumont, Texas. The field at the adjacent corners of Wyoming, Colorado, and Utah is more extensive, but may be less prolific. There are usually good prospects for gas around Holbrook, Arizona."

Professor Van Wagenen is in a measure corroborated by the investigations of the United States engineer corps for the United States Agricultural Department, who traversed this region less than a year ago making observations and tests for oil. Tucson was clearly located in the belt, likewise Yuma, the San Pedro, and the Sulphur Springs Valleys. So it will be observed that Arizona people are not running after imaginary oil phantoms when organizing for the purpose of prospecting for oil. They are acting on what is deemed good geological authority which is guided by physical conditions necessary for the presence of oil.

LOS ANGELES PRODUCERS.

Agreement Reached to Amend Contract.

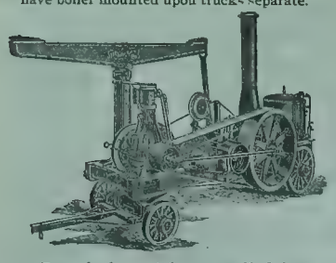
At a meeting of the Los Angeles Oil Producers' Association, an agreement was reached between the members of the Storage and Transportation company to amend the contract which was drawn up some time since and which was signed by the producers, but was never submitted to the Storage company for its signature.

The Herald says that a great deal of secrecy is maintained regarding the exact nature of the change which it is proposed to make, but it is understood that two of the members of the executive committee thought that the contract did not give them ample power, and it is now proposed that a contract shall be drawn which will make the committee a third party to the contract, the producers and the Storage company being the other two. To this the Storage company assents, providing other terms to the contract are not thereby changed.

As soon as another contract can be drawn there will be another meeting of the producers to pass on the contract.

The Star Drilling Machine

Cut shows boiler mounted upon frame of machine for oil and gas works. It is usually advisable to have boiler mounted upon trucks separate.



Descriptive catalogue mailed free.

The Portable Rig which has placed upon a lower plane the expense of operating for oil or gas.

Its tests range from shallow water wells to a limit of 2825 feet in depth, but it is especially recommended for work under 1500 feet and can handle easily 1000 feet of casing.

One No. 4 Machine has a record of Thirty-two 800-foot holes in one year.

Made in Sizes to Suit Territory.

The only machines made that are absolutely without annoying springs. They are simple, powerful and efficient, easy to handle at work or on the road. Used in every State and Territory and in many foreign countries.

We also make full line of Drilling and Fishing Tools, Reamers, Sand Pumps, Spuds etc

STAR DRILLING MACHINE COMPANY

AKRON, OHIO.

WANTED

A responsible party with complete drilling outfit to drill a well on A1 oil land in Inyo County, California, for part of land. Address

ADAMS OIL COMPANY,

1531 Wall Street, Bakersfield, Cal.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell
WORK HAS COMMENCED. Well No 1 is now almost completed and is in oil.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

PLEASE MENTION THE PACIFIC OIL REPORTER

PACIFIC COAST OIL NEWS.

Recent Developments in Oil in Various Parts of the State.

COLUSA.

Frank Cates, an oil well driller, left Williams for the Smith & Gorrill well on Sand Creek. Mr. Gorrill is personally in charge of the work of drilling, and is running day and night tour since the new and heavy string of tools has been in use, the company has been making exceptionally fast hole.

Geo. A. Ware, G. P. Orr, Chas. A. Long and Conrad Schaertzen of the Williams Oil company, were in Colusa Wednesday evening of last week having some of their tools repaired at the Colusa foundry. They were finished in good shape and the drill was working again Saturday afternoon. The prospect at this well is the best in the county. They are down about 500 feet and the drill comes up each time covered with oil.

FRESNO.

Westlake Rommel No. 1 is down over 900 feet.

Preliminary work on the Maine State pipe line was begun last week and six men are at work.

Home No. 8 is in the sand at a depth of 1750 feet. Work on this well has been stopped for the present.

There are three strings of tools running out at the California Oil Fields (Lmtd).

Carmelita is pulling the four strings of of casing from No. 1, preparatory to abandoning it.

The Valley Water company are laying a line to section 19 to furnish the California Oil Fields (Limited) with water.

The Zenith began spudding this week. This company will use gas for fuel, which is furnished by the Home Company.

"28" Oil company has purchased the Minnesota rig and will erect it over its No. 5, where a rig burned down two weeks ago.

Mr. H. H. Hart asserts that the Caribou and Sauer Dough Oil companies will each start a string of tools in about two weeks.

The directors of the Merced Oil company met in Merced last Thursday night to talk over the proposition of putting down another well.

Maine State No. 3 is completed. Mr. Black, the superintendent, reports a good well and is well plea ed with the outlook of his company and others operating in that vicinity.

Ninety-six carloads of oil have gone out of the Coalinga field in the past two weeks. This is less than an average of seven cars per day, and shows that the production is still being limited.

Harry Evans, formerly superintendent of the Mercantile Crude company, has been operating a complete rig at the State Fair at Sacramento. The outfit was an exhibit of the R. H. Herron Supply Company, and drew crowds of spectators.

The Santa Clara is pulling casing from No. 2, which was put down to a depth of 1740 feet. This hole will be abandoned. The Santa Clara's territory seems to lay too far to the west to get oil in paying quantities and it is reported that it will not put down another well on this property.

The California Oil Fields (Limited) has finished No. 3 on section 27, and No. 1 on section 21. No. 4 on section 27 started spudding last week and the rig for No. 5 is being constructed. The two 2000-barrel tanks on the company's property are now completed and ready for use.

KERN.

The Provident is still trying to clean its hole.

McKittrick well No. 3 is down over 1100 feet in blue clay.

Sunset Coast is actively at work on its holdings, section 25, 32-23

California Fortune has ordered a rig for its third well at Sunset.

The Sunset Queen Oil company is reported to have its drill in oil sand.

The Orient expects to have three new wells pumping before January 1st.

The Dirigo Oil company has tapped oil sand in its well at Sunset.

The Vesta expects to drill three new holes on its property in the local field.

Hecla No. 2 has been pumping steadily without lowering the oil standing in the hole.

The Hawkeye State, operating on a lease from the Toltec is drilling its second well.

Del Rey No. 4 flows several barrels of oil each night. During the day it is kept on the pump.

Work on the Senator is very active. Several strings of tools are also working on its leases.

The shipments of oil from the Kern River field this month will exceed that of last month by large figure.

The New Richmond, 25, 32-23, is drilling on its second well. Good progress is being made.

Justice Crude, section 18, 32-24, has decided to resume work on its hole, which was stopped several weeks ago.

The Jolly Joker is still forcing its 11 5-8 casing to a greater depth. The company has good indications at 600 feet.

Chanslor & Canfield are rigging up on section 6, 31 23, and will soon begin letting the drill drop for a new hole.

Tremont has the rig for No. 2 installed and will soon begin letting the drill fall. No. 1 is flowing steadily.

The Spring Oil company is cutting and pulling the 7⅝ and 9⅝ casing from its third well, section 11, 29-28.

The Sacramento Oil company is reported ready to resume active development work on 29, 28-28.

The rehearing in the scripper cases began in the Interior Department at Washington last week.

The Peerless has one of its ten rigs recently contracted to be erected up, and is now preparing to begin drilling.

Bolena No. 1 was finished Wednesday morning at 1000 feet. It will be perforated and put on the pump immediately.

Queen Esther has spudded in on its No. 3 and is pumping its No. 2. The company's first hole was completed as a water well.

Eighty-three oil cars were brought in from the Kern field one day last week. Sixty-five of the number were filled with oil.

J. F Elwood returned from Tia Juana, Lower California. Although Mr. Elwood did not succeed in striking oil in the south, he is still confident that it is there and will return in a few months to sink another hole.

The Mountain Boy has decided to drill a second well on its property, section 22, 31-23. It is now preparing to begin the work.

Operators in the Midway field are talking of laying a track for themselves if the Sunset railroad is not extended to their field.

A company from San Francisco is soon to have ten rigs built on property in Sunset not far from the Jewett & Blodgett Refinery.

The Geyser, section, 32, the Majestic, section 31, and the Oriental, section 30, 32-24, are pulling their casing and will try in new locations.

Kern Crown has suspended operations for a few days. Work will be resumed as soon as a calf wheel is put in and other improvements are made.

The Illinois Crude expects to complete its No. 1 the latter part of this week and to perforate the casing the first of next week.

The Columbia has let the contract to construct another rig to W. A. Kidd. The work will be begun at once. Drilling on well No. 4 is progressing favorably.

The next step in extending the use of oil fuel on the Santa Fe system is to be through Aoizona, and supply tanks are to be built at Williams and Seligman.

The Panorama, which has been operating south of the Kern River on section 12, 29-28, has about concluded a contract to have the casing pulled from its hole.

A number of business men of Half Moon Bay are about to incorporate an oil company and are trying to contract with Hickey & Vizie of Bakersfield to sink a test well near that place.

Buena Vista is installing machinery, building tanks and otherwise preparing to begin work on its holdings, 14, 32-23, at once. The company intends to rush its development work to completion.

The Century has closed down for a period of six weeks pending the arrival of a string of five-inch drive pipe. The five and five-eighths casing, which was split, has been pulled from the hole.

The Germania is preparing to resume work on its holdings in the local field. The rig, which was destroyed by fire several weeks ago, will be replaced by a new one and a hole will be drilled as rapidly as possible.

In the Sunset field, section 2, 11-24, the Superior will resume operations at an early date. At a meeting held this week it was found that enough money has been raised by the recent assessment to enable the company to resume work.

The Mt. Adelaide Oil & Mining company composed of residents of Bakersfield, has declared a dividend of 1¼ cents per share payable on the 23rd of this month. The company has valuable holdings of lands throughout Kern county.

The road just south of the Southern Pacific railroad has been oiled from Jewett's Lane to the California Drill and Iron Works. This is an improvement that will be appreciated by oil men as it is the road travelled in hauling freight from Kern City.

Alva No. 1 has perforated its 11 5-8 casing which has been used to a depth of 835 feet. This is the first case of perforating the 11 5-8 casing in the Kern River field. The work was successful and the well is now pumping all a three-inch pipe can carry. It is one of the best wells in the section.

Having failed to find oil at a depth of 800 feet in its property on section 20, 32-24, of the Sunset field, the Crump Crude Oil company will go deeper. The company is in an unexplored portion of the territory, and its officers are confident that a find will be made before the 1500-foot level is reached.

In the case of C. S. Young and others against the Lincoln Oil company and others to quiet title to certain lands, a demurrer has been filed to the complaint on the grounds that there is a misjoinder of parties plaintiff and that there are several causes of action improperly united.

The Devil's Den Development company has about decided to abandon the work on the hole it has been drilling and to sink another well in the same location. The hole is in a very bad condition and as it will cost as much to clean it out as to drill a new well the company thinks it will do the latter.

The Chicago Crude on section 30, 28-28 is cleaning out its wells one by one in order that they may be pumped to their fullest capacity and new wells are being brought in Well No. 9 was recently completed and put on the pump. No. 10 has been pumping several days and other holes are in the process of drilling. The production of the company's wells together with that of the leases is being shipped as fast as it is pumped.

LOS ANGELES.

The Dividend company is actively drilling its No. 1 on the Brophy ranch near Newhall.

The Santa Ana has recently put No. 2 on the pump, and it is said to be doing better than 100 barrels a day.

The New Century is preparing for more thoroughly exploiting the white oil field in Placeritas canyon.

The Murphy Oil company is building the largest wooden reservoir for oil in Los Angeles county. It will have a capacity of 10,000 barrels.

The Pacific Coast Oil company has recently started two crews in the Pico field near Newhall and it is expected that larger operations are to follow.

The tools that have been lost in the Searchlight well in the Newhall field have been recovered, and drilling will be resumed the first of the week.

In the Rice well No. 5 at Newhall efforts are being made to strike the second sand which is much more productive than the first.

Not a drill moved in the Newhall field Thursday last week, development having been shut down in memory of the deceased President.

The North Whittier Oil company was idle for about a week, but has now begun drilling again on No. 2. The shutdown was due to a hole worn in the heavy casing by the conglomerate, the same formation which bothered this company so much with its first well.

Contractor Richard McConnell, who is putting down a number of wells for the Central company, has No. 31 down nearly 1000 feet, and Contractor C. L. Keiser has No. 2 of the El Moro company's down the same distance, while the Whittier Oil and Development company has its hole down to 1100 feet. The Home Oil company has No. 13 down a little over 600 feet.

SANTA CRUZ.

The Watsonville Coast Oil company has a gas well on the Hughes rancho which at present has supply enough to furnish this town with all the light it needs and then have a big supply for fuel use. With a pipe line to town that gas well would prove as big a money-maker as a gusher oil well. The flow of gas is so heavy that but little progress can be made in drilling. The drillers claim that it is the heaviest flow of gas which has been tapped in this state, and it is oil gas.

KERN.

Oriental has a rig for No. 2.

Petroleum Center has a rig up for 5.

York syndicate is drilling its first well.

Sterling is deepening, with good results.

Sacramento has completed its No. 7, a good well.

Toltec has just added another producer to its group.

El Oro and London Crude have abandoned their first wells.

Perseus is drilling its first well, and has a rig ready for the second.

British California has brought in Nos. 3 and 4 lately, and has a rig for 5.

Hart Crude, which recently completed Nos. 1 and 2, has a rig for No. 3.

Nevada County Oil company has perforated No. 5, and has a rig for No. 6.

Petroleum Development company has completed No. 15, on 4, 28-28, the well being good for eighty barrels.

J. B. Treadwell, of the Southern Pacific Oil company, has just completed Nos. 35 and 36.

The drilling of Mecca No. 4, 29. 28-28 has been delayed to some extent by a cave in. The drill is now working in a very hard formation.

The Globe is pumping its wells by compressed air about three days each week. The compressor keeps the holes cleaned out in a surprising manner.

The Mecca, section 29, 28-28, is a very busy camp and the company is having good luck with its development work. Wells No. 1 and 2 are steadily pumping large quantities of oil.

The eleven and five-eighths casing in Mecca No. 3 has been lowered to the 730 foot level and it is thought by Superintendent Bowles that it will be sunk a couple of hundred feet deeper.

The Belgian Petroleum company has its hole in Midway down 1000 feet and the drill is rapidly being sunk to a greater depth. The hole will be drilled to the 1200 foot level.

The Oregon-Midway strike on section 8, 32-23, which was reported a few days ago, has proved to be of greater proportions than was at first anticipated. Though the well is not yet completed, the company is actively engaged in building storage tanks and otherwise preparing to handle the output of the well.

NAPA.

The Calistoga well is down over 700 feet, the last 300 feet being through almost solid rock.

Work continues on the Calistoga Oil and Development company property at Napa, now down over 600 feet.

SAN BENITO.

The Vallecitos companies are making fine progress in drilling.

The Hollister Petroleum Development company has drilled 700 feet.

The Riley Oil company has purchased a rig which will soon be shipped to Vallecitos.

The Fresno-San Benito Oil company has a standard rig on their property in the Vallecitos and will commence drilling shortly.

The Calistoga Oil company operating in the Vallecitos District has resumed drilling after a short delay and is now down 1000 feet. The indications continue to improve with depth.

The Hollister Petroleum Development company is now down over 600 feet. The company has been very fortunate in the drilling of this well.

The San Benito Crude Oil company is purchasing several more rigs. A portion of the material was bought in San Francisco. The rest must be obtained from the East.

The Calistoga well on 18, 17-12, is down over 1000 feet with seven and five-eighths casing; 1500 feet of five and five-eighths casing will be on the ground next week. Indications of oil are abundant.

R. B. Todd, manager of the Calistoga Oil company, has leased several tracts of land from the Ashurst Bros. in the Vallecitos. Mr. Todd expects to have a good many rigs at work in the very near future.

SANTA BARBARA.

Western Union Oil company, on Carreaga ranch, has stopped pumping and is putting up a large tank at Blake's siding, on the Pacific Coast railroad, as the 50,000 gallon tank at the well is full. The company has commenced laying pipes from the tank at the well to the new one, where a loading rack will be built. About three miles of pipe is being laid as fast as possible.

SOLANO.

According to a report recently issued by the Vacaville Oil company, the drillers have reached a depth of 1275 feet and the officers report continued good prospects.

The Canfield Drilling Machine, operating near Vallejo, has suspended operations until a new bit can be obtained. The second hole is down 210 feet. The first hole hole had to be abandoned owing to a sprung shoe.

SAN BERNARDINO.

The Hiawatha Oil company held a meeting last week and elected officers. The company expects to test its land regardless of the results of the Kramer well, but has been waiting the completion of the latter well, thinking that the experience in that hole would be of benefit to all the operators in that section.

There is something the matter out at the well of the Kramer Consolidated company on the Mojave desert and it is believed that the trouble is a crooked hole. The contractors have made several offers to the company to take less than the $5000 stipulated for the work and quit, but this is not agreeable to the managers of the company, who insist that the contrrctors comply with the contracts. It is thought that it will be necessary to start another well if the drill is sent to the 1000-foot depth called for in the contract.

TEHAMA.

At noon on Wednesday of last week the Corning Oil and Gas company's well was down 1550 feet with continued good oil prospects.

A Hustling Company.

The Yankee Girl Oil company is one of the strong non-speculative corporations, is well officered and has a paying production at 75 cents a barrel from its Los Angeles district wells. The company owns 600 acres of land in four of the famous oil districts of California, and last week leased (at ¼ royalty) a part of its McKittrick land to L. A. Bright of Chicago, the owner of the mica fields sixty miles southwest of Bakersfield. Mr. Bright is now organizing a strong company to develop the property. The officers of the Yankee Girl Oil company are now negotiating with some New York parties for the sale of some of its valuable Sunset land. In a word, they are a hustling company that is well thought of by all posted oil men.

The Carreaga Strike.

There was a great barbecue at the new gusher of the Western Union Oil Company near Los Alamos last week. It is estimated that fully one thousand persons drove to the well, and two beeves which had been prepared for the occasion were consumed. During the six days in which the well was pumpod it produced 1200 barrels of oil, 1000 barrels of which which was saved and stored at the well. The company has leases covering twenty-three square miles of land in that section, in the midst of which is the well, while it is believed that there are five miles of the oil-bearing area crossing the tract.

Oil Briquettes.

A strange sight was presented in Oakland last week as a train drew in from Stockton. It consisted of a locomotive and ten cars. Piled up in the cars were objects that at first sight appeared designed for the toilet, whereas in fact the freight consisted of a new species of fuel. There were about 250 tons in all of what were termed briquettes, a compound of pulverized coal and refined petroleum, pressed into cake-like forms, which came from the briquette works of the Tesla Coal Company in Stockton. These briquettes were intended for sale and distribution in Oakland, and as other trains arrive their contents will be similarly disposed of in San Francisco. The briquettes aroused as much interest and excited as much astonishment in the community across the bay as they have among the visitors to the Pan-American Exposition in Buffalo, where they have been mistaken for cakes of tar soap. The error is excusable, as they closely resemble that article. Unlike crude coal, the briquettes can be handled with kid gloves without soiling.

Eternally Busted.

J. M. Reagan, a man with an alleged petroleum magnet, has by aid of his semi-occultism divined that in the vicinity of the town of Alvin there is a tremendous quantity of oil. The man's art lies in a field between necromancy and palm reading and if it possesses virtues no more reliable than those it might as well be pushed through the well. That the man may have a science for locating oil veins may not be either reasonably confirmed or denied. That implements like his heretofore tried, have proved to have been delusions and snares is straight goods The prophesying capacity of witch hazel twigs for locating water was not unknown to our sires, who to this date dispute as to its merits and demerits, forgetting the important fact that there is water everywhere if one only goes deep enough. In the day of the witch hazel fad came also the man with the gold horn—a fellow who claimed to be able to locate precious mineral and treasure trove, and who was everlastingly and eternally busted.—Beaumont, Tex., Enterprise.

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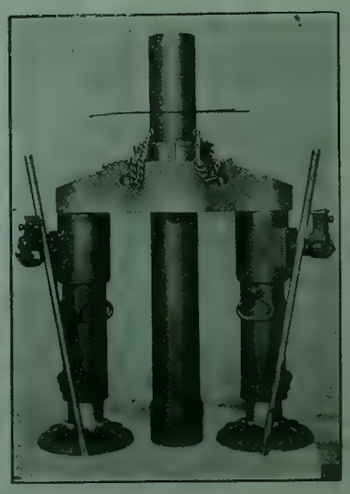

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Recent Oil Patents.

The following patents recently granted and of interest to the oil trade are reported expressly for the Petroleum Gazette by J. M. Nesbit, Patent Attorney, Park Building, Pittsburg, Pa., from whom printed copies may be procured for 15 cents each:

Drill, T. P. Blake, Lamar, Nebr., No. 681,035.

Hand oiler, F. B. Grimshaw, Clark, S. Dak.: No. 682,060.

Oil purifier, G. F. Carter, Corsicana, Texas; No. 680,639.

Well drilling machine, J. J. Reed, Onset, Ark.; No. 680,810.

Expansion drill, James Forsythe, Onslow, Iowa; No. 680,376.

Sucker rod elevator, C. M. Spink, Cyguet, Ohio; No. 681,037.

Gearing for well drilling apparatus, J. H. Janssen, Woonsocket, S. Dak.; No. 681,225.

Sand reel for artesian or oil wells, H. W. Eaton, Jr., and Andrew Benson, Bradford, Pa.; No. 680,234.

New Use for Oil.

It is reported that the Earl Crude Company has concluded a contract with the Tesla Coal Company for a maximum delivery at Stockton of 1200 barrels of oil a day for three years. After that time the contract continues at the option of the parties thereto. This oil is to be used in the manufacture of briquettes, or coal-brick fuel. The Earl Company has extensive holdings in the Sunset district, but as it has no producing wells it is necessary to commence drilling at once with several rigs.

Gas Flares.

The ambidexterous Pipe Trust writes with one hand that the strike has been a failure,—that it has had no shortage of labor,—while with the other hand it chalks up the price of pipe and charges the higher prices to the strike.

There is ground for the suspicion that when the desired visitors are within the desired range the tool dresser is not always as careful as he might be in dumping the pump or bailer.

In the midst of reports of what petroleum is doing and is about to do to mosquitoes it is somewhat disconcerting to learn--right from Beaumont, too--of delay in the in the completion of pipe line work "on account of the mosquitoes."

W. K. Vanderbilt is reported to be kicking because he inherited so much wealth. If he will turn his attention to the oil business and make a feature of wildcatting, the change may do him good—also the natives and the dealers in supplies.

No man's experience is complete unless he has "drilled in a dry hole" in promising territory. The sensation is somewhat similar to that experienced by a person when he receives a letter, supposed to contain a remittance, and finds, upon opening it, a bill instead.—Oil City Blizzard.

Mayor D. P. Wheat, of Beaumont, Texas, is quoted in an Austin dispatch as saying that it is impossible to hold a meeting of the city council of Beaumont owing to the absence of all the aldermen, who have gone to the mountains and fashionable resorts of the east to spend the summer," all of them having "made immense fortunes out of oil." In this connection it may be said that it is one of the characteristics of oil towns to be unable to secure quorums regularly for their council meetings. As the quorums become more readily available it is accepted as an indication that the oil features are disappearing, and when the local papers begin to inquire with reference to another body of officials, "What has become of our Board of Trade?" then it is known of a verity that the boom has petered.

About three weeks ago Henry Miller, manager of the Manhattan Oil company, figuring that the cost of 1,000,000 barrels of steel tankage would be $240,000, cast about for a substitute and conceived the idea of building an earthen tank to cover ten acres. Plans were made and submitted to the United States engineer at New Orleans for criticism. The plans show an excavation nearly 400 by 800 feet, in clay. The sides of the tank are lined with piling driven twelve or fifteen feet below the floor, the sides being ceiled with two inch plank. The floor of the tank is tamped clay, the clay beneath the floor being in this particular tank more than twenty-five feet thick. The embankment around the tank is 100 feet wide, made from excavated matter. The advantage of this system of tankage is, first, low cost, 1,000,000 barrels of tankage being about 15 per cent of that for steel tankage of equal capacity. Second, saving in evaporation of low temperature distillates—and gas—the earthen tank being buried while steel tanks are exposed to the heat from the sun.—Beaumont, Texas, Enterprise.

South of the River.

The Wizard well, on 26, 29-28, is down 1161 feet, in sandy formation; eight-inch drive pipe is used; indications continue favorable.

The Panorama, on 14, 29-28 got its casing stuck, and had to quit. They were down about 1200 feet.

The Spring, on 11, 29-28, brought in a 100 barrel well on the 21st.

The Union Oil company is building a new tank, giving it storage capacity in the Kern River field of about 70,000 barrels, and this company is also in the field as a buyer of oil.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, September 25

BAY CITY.

100 at	40	40 00
31 (Cash) at	40	12 40

CALIFORNIA STANDARD.

1400 at	22	308 00
100 at	21	21 00
500 at	23	115 00

CARIBOU

800 at	75	600 00
25 at	70	17 50

EL DORADO.

100 at	75	75 00

FOUR OIL.

100 at	40	40 00

GIANT.

750 at	28	210 00
250 at	30	75 00
250 at	33	82 50

HANFORD.

1(Cash)at	121 00	121 00
1(B90)at	121 00	121 00
1 at	120 00	120 00
1 at	112 00	112 00
1 at	114 00	114 00

HOME OIL.

50 at	3 65	182 50
100 at	3 60	360 00
150 at	3 55	532 50
300 at	3 50	1050 00
100 (S90)at	3 45	345 00
175 at	3 45	603 75

INDEPENDENCE

1400 at	10	140 00

JUNCTION.

1000(S90)at	24	240 00
700 at	25	175 00
3000 (S 90)	23	690 00
800 at	24	192 00
300 at	23	69 00

LION.

1000 (S60)at	09	90 00
1100 at	09	99 00
1000(B60) at	10	100 00

MONARCH OF ARIZONA.

1475 at	24	354 00
1000(S30)at	24	240 00
700 at	23	161 00
300 (S90)	23	69 00

MONTE CRISTO.

700 at	1 75	1225 00
200 at	1 65	330 00
600(B90)at	1 75	1050 00

OIL CITY PETROLEUM.

500 at	28	140 00
3300 at	26	858 00
4000 at	25	1000 00

OCCIDENTAL.

400 at	43	172 00
100 at	44	44 00

PEERLESS.

20 at	5 25	105 00
20 at	5 00	100 00
60 at	5 12½	307 50

PETROLEUM CENTER.

200 at	02	4 00
9600 at	01	96 00
2000(B90)at	02	40 00

REED CRUDE.

300 at	33	99 00
300(S3) at	33	99 00
700 at	31	217 00
3200 at	32	1024 00
5000(S10)at	32	1600 00

STERLING.

100(B10)at	1 40	140 00
700 at	1 30	910 00
100(B60)at	1 35	135 00
50 at	1 32½	66 25

SOVEREIGN.

1150 at	25	287 50

SAN JOAQUIN.

230 at	8 00	1840 00
160 at	7 87½	1260 00
100(B90) at	8 25	825 00

TWENTY-EIGHT

350 at	1 75	612 50

WOLVERINE.

200 at	65	130 00

Shares 53 401 Amount $22,593.90

Near Hollister.

The following is the log of Hollister Petroleum Development company's well on Cowden ranch, two miles south of Hollister, Cal.

Eight feet adobe; 6 feet shale; 19 feet sand; 12 feet shale; 18 feet sand; 10 feet shale; 8 feet sand; 24 feet shale; 12 feet sand; 167 feet shale; 15 feet sand, 5 feet black shale; 31 feet hard sand; 8 feet black shale; 34 feet gas sand; 8 feet shale; 20 feet gas sand; 12 feet shale; 19 feet gas sand; 16 feet shale; 57 feet gas sand and good showing of oil; 30 feet blue shale; 6 feet carboniferous shale and marine shells; 535 feet depth; 11⅝ in. casing.

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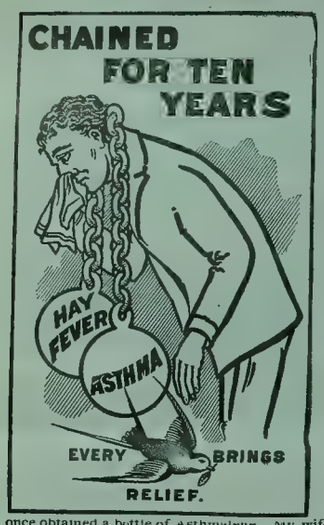

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Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel.
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.
Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,
REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.
Dr. Taft Bros. Medicine Co.
Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease, Yours respectfully,
O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.
Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.
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THE STANDARD PRICES.

What it is Offering for Kern River Oil.

The Standard seems to be having some trouble in filling its fifteen tanks, already completed in the Kern River field, with fifteen cent oil. Seven of the tanks have not as yet had a drop of the product of the local wells turned into them and the other eight are not filled to overflowing. Yet the syndicate seem to have no misapprehension about procuring all the oil needed as is evidenced by the plans already set forth to construct an additional fifteen 35,000-barrel tanks. The workmen who were employed in putting the roof on the tanks have been laid off for thirty days owing to the scarcity of lumber. The carpenters are now planing to build a model office building, for the local managers, near the company's loading racks.

A few days ago the syndicate made a proposition to a local company offering 15 cents for its production for a period of three years, says the Californian. The first of the present week it was announced that the coast representative of the Standard had made overtures to purchase all the oil obtainable at 20 cents, but as yet, no price greater than the latter has been offered.

While the syndicate had men in the Kern River field trying to contract for the local product at this insignificant figure, other representatives were in the Fullerton field paying from 85 cents to $1.45 per barrel for the entire product of the Columbia, the Puente, and the many other companies.

In relation to the price of oil in the Fullerton field, the Los Angeles Times says:

"Graham & Loftus are receiving 85 cents per barrel for the oil produced on their lease, and their contract will not expire for several months.

"The Standard is reported to be buying the entire product of the Columbia Oil company, at $1.45 a barrel. This is very desirable oil for refining. The Columbia company buys a low gravity of oil to burn in its engines to pump, selling every barrel of its output for refining purposes.

"The Standard is also purchasing all the oil produced by the Puente Oil company and under its contract is paying $1.30 a barrel. The contract is on long time. The oil is also used for refining."

Determining Strength of Wire Ropes.

The innovation introduced by Mr. Henry M. Brittan of San Francisco, Cal., under the name of "stress apparatus," will be welcomed by all those having to do with wire ropes in active service, says an exchange. The apparatus, which is intended to show the strain applied to a cable between any two points, consists of a cylinder provided with a yoke which is capable of attaching one end of the cylinder to the rope. Within the cylinder is a plunger which projects from one end and is provided on its projections with guides embracing the yoke. Another yoke is secured to this plunger, surrounding the opposite end of the cylinder. On one face of the cylinder is arranged an indicating device, having a pipe that leads to the interior. The ends of the cables being secured to the yokes and the strain applied the plunger will be forced in the piston and the fluid arranged within will communicate with the indicating device. Where great and varying strain is applied to wire ropes breakages are not unknown occurrences, and it will be evident that if the strength be known, i. e., that some means is provided for indicating the same, such breakages could readily be avoided.

Libel Case Settled.

The case of J. A. Hannah vs. the Los Angeles Herald did not go to trial as expected, but was continued by stipulation until October 4th. This is the case growing out of the publication by the Herald that Mr. Hannah had been indicted by the Grand Jury in connection with the scripper frauds. It is generally understood that the Herald has made a settlement satisfactory to Mr. Hannah and his attorneys, the terms of which, however, they decline to make public.

It is therefore probable that on October 4th the case will be dismissed.

Fuel Oil in the East.

Oil burners are no longer an experiment on the Kansas City, Pittsburg and Gulf line. The work of their transformation has been at Pittsburg and the tests have been made there. Oil has been shipped from the Texas fields for this purpose. Engines 108 and 110 have been so converted, and the work and tests have been under the personal supervision of Master Mechanic Patterson, who has watched it in its every detail. Mr. Patterson now has the satisfaction of knowing that his work has been a success in every particular, and that the engines are ready for any work placed upon them.

According to an Eastern contemporary the official record of the test shows that the cost of oil compared with that of coal is about one-third, and that it will be a very great saving to the company. Engine 110 was sent to Port Arthur ready for work in charge of fireman W. O. Van Pelt, and the final test was made on engine 108. W. E. Cram, the expert oil fireman, who has been at Pittsburg during all the time of the changing of these engines, will accompany 108 when she is sent to Port Arthur and will probably remain there.

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References: San Francisco Banks.

Authentic information furnished regarding any oil company in the State of California.

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Correspondence welcomed.

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Office: 807 Claus Spreckels building, San Francisco, Cal.

CALISTOGA OIL AND DEVELOPMENT CO.
500,000 shares par value $1.
Operating on 2320 acres located in Napa, Yolo, Fresno, San Benito, Monterey and Kern counties. Officers: L D Hitchcock, president; R B Todd, vice-president and manager; B F Edwards, secretary; J M Caselman, treasurer; Dr. H G Thomas and Dr. E J Boyes. San Francisco National Bank, depository. Office, 23 and 24 Merchants Exchange, San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CUYAMA VALLEY OIL COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

EL MEDIA OIL COMPANY. Incorporated under the laws of Arizona, January 2, 1901. Capital, $500,000. Number of shares, 500,000 Lands, 160 acres in McKittrick district. Officers and directors: President, John Arthur Drinkhouse; vice-president, Ralph E Grover; secretary and treasurer, George M Wilcox; George M Flint, George W Austin, George Quarre, Piero Rossi; Hon E E Ellinwood, Arizona Representative; O C Pratt, attorney; depository, California Safe Deposit & Trust company. Office, 322 Safe Deposit building, San Francisco. There are 250,000 shares of treasury stock, of which a limited number are now offered at 25 cents per share, subject to advance without notice.

FOREST CITY OIL COMPANY. Incorporated January, 1901. Capital, $500,000. Shares $1.00 each. Officers and directors: Nestor A Young, M D, president; George M Stevens, vice-president and general manager; Frank Records, secretary; Central Bank, treasurer; T L Ball and C C Carver. Stock full paid and non-assessable. Holdings are absolutely certain oil territory. Well No 1 completed and pumping. Offices, 229-231 Laughlin block, 315 South Broadway, Los Angeles, Cal.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock,
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

HECLA OIL COMPANY. Incorporated under the laws of Arizona, March 12, 1901. Stock absolutely non-assessable. Company owns 160 acres of choice oil land in the Sunset Oil district, Kern county, California. Capital stock, 1,000,000 shares; Par value $1.00 per share. Officers and directors: Dr F R Fletcher, president (connected with the Calumet & Hecla copper mines for 23 years); Capt John H Marshall, vice-president; Chas L Warfield, secretary, Perle M Johnson treasurer; Patterson Sprigg, attorney. Office of the company, room 20, 1015 Fifth street, San Diego, California.

LION OIL COMPANY. Incorporated under the laws of Arizona. Capital $500,000. Number of shares, 500 000. Land, 820 acres in Sunset, Kern and Templor districts. Directors—Dr. A S Cook M. F. Cochrane, D. S. Stanley, F. P. Weed, T. M. Gardiner, I J Truman, Jr., F. F. Betts. Officers—Dr. A.S. Cook, president, M. F. Cochrane first vice president, D. S. Stanley, second vice president, F. P. Weed, secretary, T. M. Gardiner, treasurer. Office, 927 Market street (Emma Spreckels building). Room 316. San Francisco.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

ORIENTAL OIL COMPANY. Capital, $100,000. 100,000 shares at $1.00. Location, Kreyenhagen Oil district, Kings county. Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, secretary and manager. Office, Room 506 Parrott building, San Francisco.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.. ...par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OBISPO OIL COMPANY. Capital, $1,000,000. Number of shares, 1,000,000. Treasury stock, 550,000 shares. All stock fully paid and non-assessable. Incorporated under the laws of California. Properties in Kern, Fresno, San Benito and San Luis Obispo counties, Cal. Incorporators: G R Parkinson, President Bank of Palo Alto; Captain Frank Barrett, Palo Alto, Cal.; K W Brown, Fresno, Cal.; Chas E Bond, Minneapolis, Minn.; C F Alderson Chicago, Ill. Officers: John F Giles, president; Frank Barrett, vice president; Chas E Bond, treasurer; C F Aldelson, secretary, K W Brown, assistant secretary. Office, Suite 74, Citizens Bank building, 119-121 La Salle street, Chicago, Ill.

POTOMAC OIL COMPANY. Capital stock, $2,850,000; Par value, $1.00. Has 2,000 acres in Kern, Los Angeles and Summerland fields, with 26 producing wells. Officers and directors: P V Schermerhorn, president; C H Ritchie, vice-president; R D Robinson, secretary and treasurer; D M Schermerhorn and W S Morton. Principal office, Potomac building, Los Angeles, Cal. Tel John 2281.

SALINAS OIL AND DEVELOPMENT COMPANY. Capital, $1,000,000. 1,000,000 shares at $1 00. Land in Monterey county. Officers and directors: President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco Office, room 573-574 Parrott building, San Francisco.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary, D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Coakling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block Bakersfield. Cal

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

USONA PETROLEUM COMPANY. Capital, $500,000. 500,000 shares at $1.00 each. Incorporated under the laws of California. Location 140 acres Midway district, Kern county, leased from Bay city, being 60 acres in N½ of NW¼ section 22, 32-23, and 80 acres S½ of SW¼, section 4, 32-23. Officers: Geo W Turner, president; Geo Hansbrow, vice-president; E N Sewell, secretary and treasurer; W R Stammers, manager; H W Merritt, J H Dorn, W W Hutchinson; Maurice V Samuels, attorney; Union Trust company, depository. Office, 301 Safe Deposit building, San Francisco.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

WALDORF OIL AND ASPHALT COMPANY. Incorporated Feb 25, 1901. Capital, $500,000. 500,000 shares at $1.00 per share. Place of business, Hanford, Cal. Headquarters at McCord & Son, Location of lands, 1, 2, 0, Guadalupe, Santa Barbara county, Cal. Officers and directors: Geo B McCord, president, Hanford; Dr N P Duncan, vice-president, Hanford; J O Hickman, treasurer, Hanford; Wm M Madden, attorney for company, San Francisco; W H Worswick, field superintendent, Hanford: F Brader, Hanford, N Weisbaum, Hanford, L S Chitteuden, Hanford, W H Worswick, Jr, Hanford. Jas Manasse, secretary.

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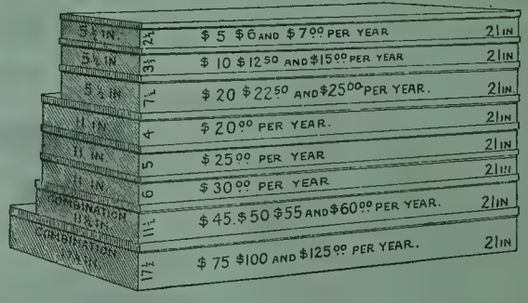

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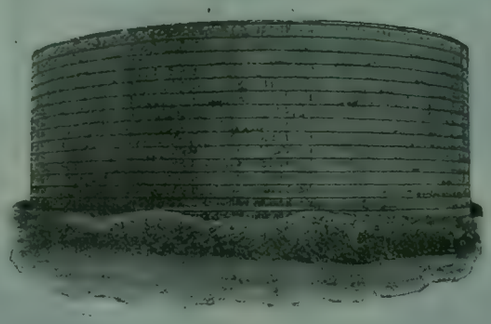

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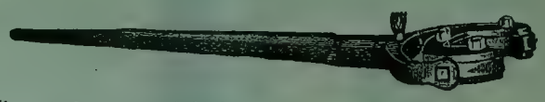

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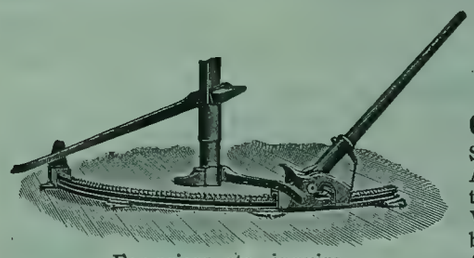

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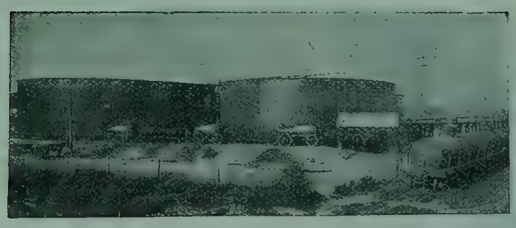

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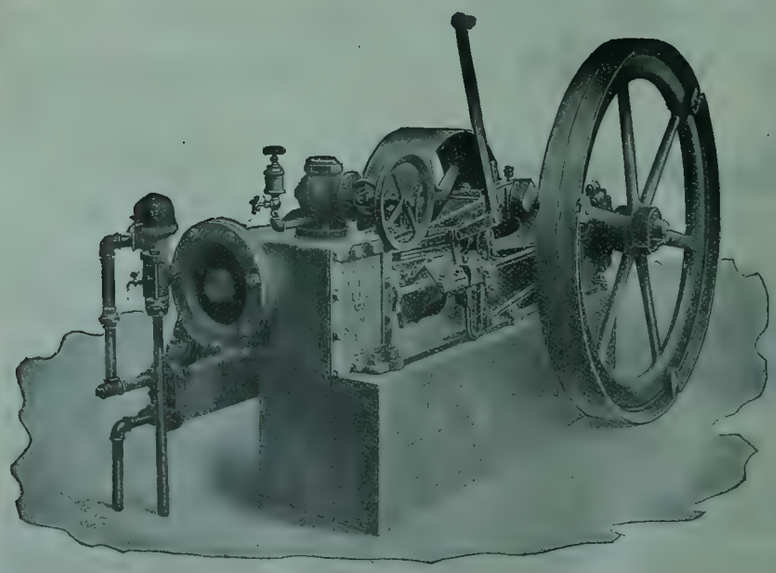

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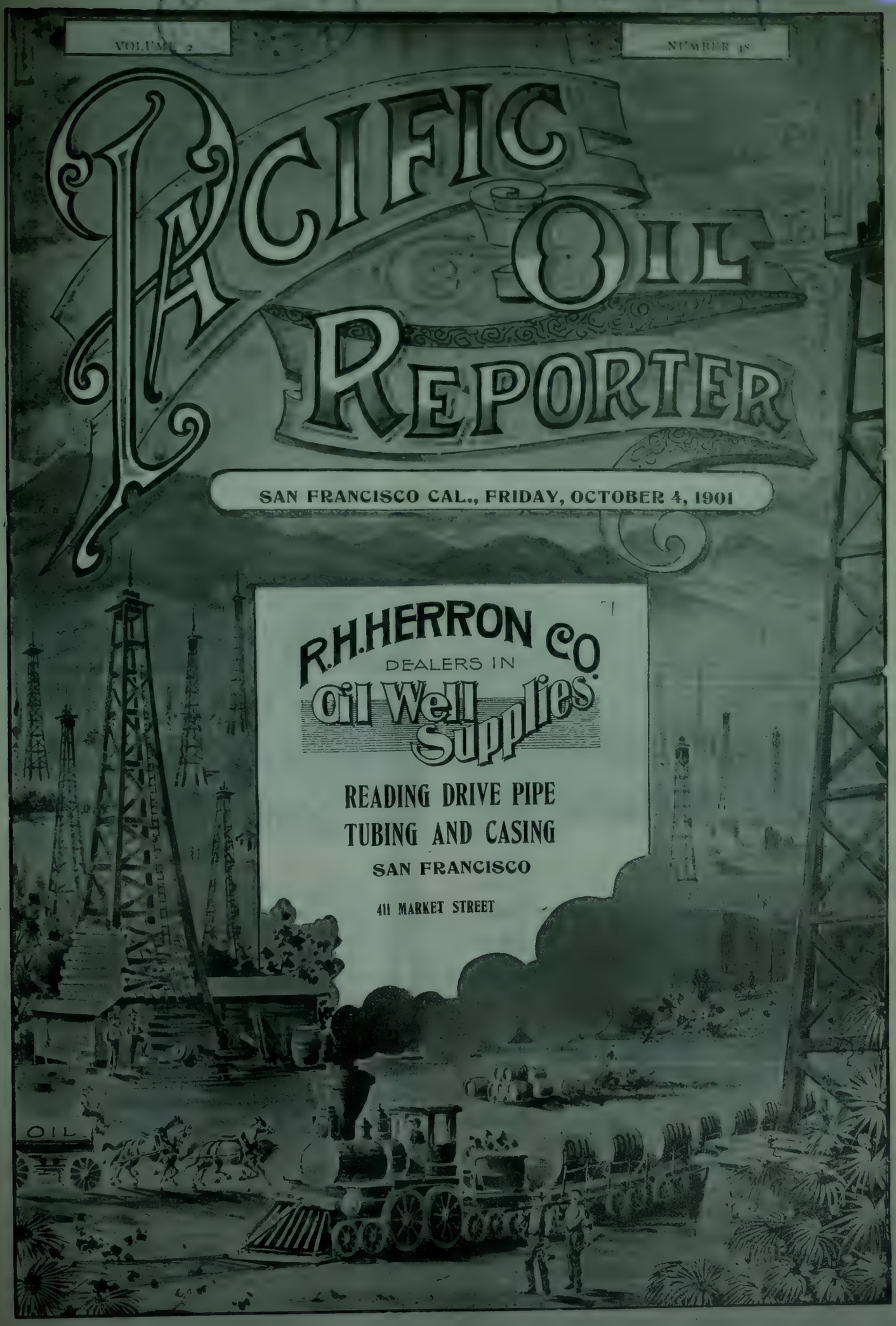
VOLUME 2 NUMBER 18

PACIFIC OIL REPORTER

SAN FRANCISCO CAL., FRIDAY, OCTOBER 4, 1901



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Struck Oil South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,057 feet, with every prospect of striking oil.

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PACIFIC OIL REPORTER

VOL. 2. NO. 48. SAN FRANCISCO, CAL., FRIDAY, OCTOBER 4 1901. PRICE, TEN CENTS

WESTERN CONTRA COSTA.

What the Berkeley Crude Oil Company Is Doing.

Development Work Near Lafayette Gives Good Indications of Oil and Gas.

So little has been heard from Contra Costa county recently that the possibilities of striking oil of a quality superior to that found in the southern fields has almost been lost sight of. There is no doubt, however, that the oil found in Contra Costa is of a paraffine base. Samples on exhibition at the REPORTER office show a residue after evaporation which is a distinct paraffine wax and not an asphalt. Now that the Standard is to build a great refinery at Point Richmond, there will be more demand than ever for refining oils, and greater inducement to prospectors to continue seeking for a product that will give them profitable returns.

But prospecting is by no means at a standstill in Contra Costa. Seven miles due east from Berkeley is located the little village of Lafayette, and the terminus of the narrow gauge railroad, now the property of the Santa Fe, which starts from Oakland and ends nowhere, lies in this neighborhood. Two and one-half miles west of Lafayette is the lease of the Berkeley Crude Oil Company, comprising 144 acres of the Flood farm. Up the side of a little gulch on the farm is located the site of well No. 1, and here Driller Albert is pounding away with a Star Drilling Machine in the search for fortune.

This property has been favorably reported upon by H. W. Fairbanks, who says in part:

"The formation consists of sandstone of a soft, friable nature, sandy shales, conglomerates, and one layer of shells. The course of these rocks varies from north and south to a little west of north. The dip is easterly at 25 to 30 degrees.

"The rock strata upon the property belongs structurally to a strongly marked anticline, whose axis extends northwest and southeast from a point upon the ridge a little to the west of the property in question. Around this anticline the strata swing, dipping away in every direction. The center of the anticline passes to the southwest of the oil wells upon the Miner ranch.

"Sandstone predominates; in fact it forms nine-tenths of the rocks exposed, and is almost invariably soft and loose. The conglomerates are confined to the upper portion of the strata exposed about the anticline. The pebbles in the conglomerate are mostly small and would not seriously interfere with drilling.

"An interesting spring occurs upon the Allen place, north of the Flood place, and associated with it a seepage of oil. The spring has a strong taste of sulphur. Oil occurs in the soft sandstones near where the water issues. At the time of our examination the rock was dug up with a spade, and oil was seen flowing out and down with the water. The oil is thin and associated with a favorable rock for a reservoir. The strike of this oil-bearing stratum would carry it across the west end of the Flood place where there is found another mineral spring.

The presence of mineral springs is also a good indication. It might be thought that the wells already put down should have tested the field. This can hardly be considered true, for the Miner wells are about a mile away. Besides, these as well as the old well upon the Allen place, from their position, must have penetrated strata almost wholly at a different horizon from that which would be penetrated by wells located as described upon the Flood place. It seems to me that a well in the proper place upon the property in question stands the best chance of finding oil if it is present in commercial quantities.

"The work of geologists in this region has shown that the formation described belongs in the upper Miocene (the Miocene is the characteristic oil-producing formation in California). The oil is believed to originate in the silicious organic shales of this formation. Consequently these shales ought to be present. They undoubtedly underlie the sandstone, but erosion at the anticlinal described has not been sufficient to expose them. The quantity of oil present, however, can only be determined by exploration."

The site was selected with a view of starting the well in sandstone, avoiding both the hard conglomerates and the soft caving adobe which has given so much trouble to operators in this neighborhood. Samples of oil from an oil spring in the neighborhood show the following constituents:

Naphtha, 3 per cent.
Illuminant, 51.75 per cent.
Lubricants, 38 per cent.
Residuum 6.75 per cent.
Water, .50 per cent.
Specific Gravity, 24 Beaume.

A very interesting feature of the Berkeley Crude well is the Star Drilling Machine, made in Akron, Ohio, which takes the place of the Standard rig so well known in California. The feature of this machine most apparent to the eye is the absence of a derrick, in place of the derrick, there being a fifty-eight foot mast of 12x12 timber laid in a heavy sill.

This mast is provided with pulleys for the drilling cable and sand line and is braced by ten guy lines to keep it in place. The drilling is done with the temper screw hung on the walking beam, the same as in the ordinary Standard rig. The No. 8 Star used at the Berkeley Crude went down 430 feet for nine and five-eighths casing, and 505 feet with seven and five-eighths, without an accident—a remarkable record for any rig. Spudding is done over the mast by a grooved sheave pulley journaled to a lever, which is given an oscillating movement by a bar attached to a drive shaft. A friction pulley runs the sand-line reel. There is but one upright cylinder of 18 horse-power, and the boiler used is the Erie "T" or dome boiler of 25 horse-power. A feature is the fan blower for supplying a blast for the forge. Certainly the Star must be admitted to be a successful machine. As a matter of economy, the No. 8 machine used by the Berkeley crude cost $2,400, including two complete sets of drilling tools, while the lowest bid received by the company on a standard rig was $2,800. The rig is entirely portable, and it is estimated that the saving in cost of moving rig would be several hundred dollars. B. F. Arnold of Berkeley is the agent.

There can be seen on the bailings considerable indications of oil, even at the comparatively slight depth already reached, and gas has been found in considerable quantities. The formation has been principally sandstone and shale, as will be seen by the following

Continued on Page 6.

Scene of Operations of the Berkeley Crude Oil Company, 2½ miles west of Lafayette, Contra Costa County. At a depth of 500 feet this well gives good indicrtions of oil and gas.

Star Portable Drilling Rig in Use at the Berkeley Crude Oil Company's Lease in Contra Costa County. This machine has gone down 500 feet without an accident. A mast is used instead af a derrick.

NEW WORK IN KERN.

Prospective Drilling—Sales of Oil—The Standard's Policy.

Taking all things into consideration the prospects are bright for an active winter in field operations in Kern county. All indications point to a fair resumption of the work that was abandoned some months ago and the beginning of considerable new work. In other lines of business much is based upon the number of inquiries received at the fountain heads of the trade. By this gauge a fair idea may often be formed of future transactions. So it is to quite an extent with the oil business. If we take this basis of reckoning amount of drilling, we may look forward to considerable more work the coming winter in Kern county than there has been since last May. During the summer about all the old or second hand rigs were bought up and in most cases were used for wildcat drilling, or shipped out upon the deserts to drill water wells. Inquiries are now being received by the various supply houses as to the price of new rigs and material, and in this connection it may be said that there has been a noticeable change in the price of many of the supplies. One firm has an inquiry for ten engines, and another firm has inquiries for a number of cables, and now and then a new outfit is sold, all going to show the tendency. At Bakersfield the operators who have been away for the past few months are getting back, and the general feeling is optimistic. But this is all very largely speculation. Turning from the abstract to the concrete we find substantial evidence of renewed activity. The Peerless Oil company is preparing to drill the ten new wells and the contracts have been let for the rigs. Chanslor & Canfield have a gang of rig-builders putting up one rig after another as fast as they can be finished. This has spurred the Potomac Oil company (formerly the Eastern Star), whose property adjoins, and President Schermerhorn states that within thirty days he expects to have three strings of tools running. The Potomac wells which have been idle since the hot spell of last summer will be put on the pump again at once, a sale having been effected for the oil now on hand. Peter Schermerhorn and his associates, who have been involved in litigation with the Eastern Star Consolidated, have made a proposition to the Consolidated people which may be accepted in which event two strings of tools will be put to work at once. The Eastern Star Consolidated has no producing wells now.

The Imperial is preparing to do further drilling as is also the San Joaquin. The Perseus will drill three wells, the Mecca three more, and the Alva will continue the drill. The Vesta Oil company, which began delivering oil the 15th of this month to the Standard, has concluded to drill three more wells. The Standard is taking the present production of the Vesta at 25 cents a barrel; the intention is to drill other wells in order to be prepared for any advance in the price of oil.

The Iris Oil company is also expected to resume operations. A number of other companies which have been doing a little drilling all summer will undoubtedly continue and other companies will add their mite to the general movement. One of the best evidences of new operations is the number of teams now engaged in drawing new rig timbers to the field. It is not uncommon to see several wagon loads in procession these days. But while there will be considerable work commenced during the next few weeks there is not the remotest probability that the experiences of last winter will be repeated. There are hundreds of acres of unquestioned territory in the Kern River field, and locations for thousands of good producers, and in all probability there will be more or less drilling in the field for the next ten or fifteen years, but there is hardly any probability that the wild rush of a year ago will ever be witnessed again. Men have settled down to sober judgment.

Another evidence of renewed activity is the amount of work being turned out by the iron works at Bakersfield. The shops which were running short time and short handed are now running full time and full force and have enough work to keep them very busy.

And this reminds us that possibly John Enos would that history might repeat. On the other hand there are a lot of fellows who were carried away by the excitement who are now thanking the Good Lord that he created John Enos just as he did, for had John been created "just so" he would today be a millionaire and worthless section 6 would be theirs. A year ago John Enos was the most sought after man in Kern county; section 6 was considered invaluable. Today section 6 is practically proven valueless for oil purposes, and John Enos is forgotten. He procrastinated with opportunity too long and that master of human destinies moved on to knock at the gate of some more alert and appreciative architect of his own fortune.

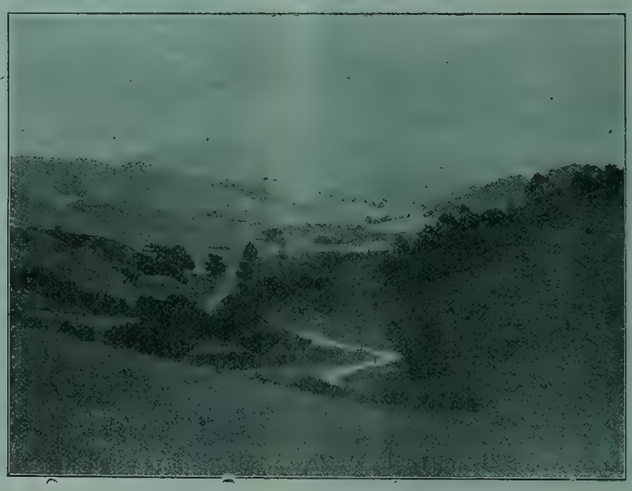
But while John Enos underestimated, almost countless others over-estimated, and that is the reason why so much money was lost in the opening of the Kern River field. It was the same story which has been written of every other field. Money will undoubtedly be made out of the field, but those who develop a field rarely make anything. That is why the Standard Oil company never develops new fields. The Standard has learned that it is cheaper for it to leave the wildcatting and developing to the venturesome, and pay a good price for known property. Even today Kern River is over-estimated. It is not capable of doing what is claimed for it, and it is positively injurious to the producer to maintain that it is. Of course it is always the policy of the promoter to boom things, but for the company that expects to market its product, it can mean only harm to him to misrepresent the facts.

For instance, there are men in the Kern River field claiming a production of a thousand barrels a day for a single well, and thereby contributing in the unstable condition of affairs in keeping down the price of oil, when the fact is there is not a thousand barrel well in the entire field. We believe it can be said without contradiction that there is not a 500 barrel well in the whole field. What we mean by this is a well that will do 500 barrels a day in a tank for thirty consecutive days, measurement to be made at least ten hours after pumping. Tin can measurements are beguiling, and whosoever is deceived thereby is not wise. California oil is deceptive, in that when fresh from the bowels of the earth it seems to be much more bulky than it really is. Under tests it has been known to shrink from 20 to 70 per cent. When first pumped it is exceedingly frothy, volatile and inclined toward a policy of expansion, but given time the inflation or volatility disappears, and thus many producers themselves are fooled. In this respect the California oil is essentially different from Eastern oil. Kern River is remarkable for its large number of good producers; few fields have had as many wells of a large average; so few dry holes, but it has yet to produce one big well, and all this talk about wells in the field doing 800 and a 1000 barrels is vain and worse than useless, it is positively harmful.

A story is told and is going the rounds of how a certain "big well" is made to show off to good advantage when company is around. There is a long lead pipe from the well to the sump hole or tank, and to this is connected a steam pipe close to the hole. When a visitor comes to inspect the well the steam is turned on, according to the story, and the well responds beautifully for a few minutes. Of course visitors as a rule do not remain long and before the effect wears off, they have moved on to the next well, coveting a large block of stock in that "remarkable well."

This story is not vouched for and is given for what it is worth. Such tricks have been played. It is no worse than the method adopted by some Pennsylvanians, who, to dispose of some "dry" territory at fancy prices, connected the well by underground pipes with a neighboring tank, and when the victim who was to be separated from his money appeared to prove the property the oil was turned on at the tank and run into the well from which it was pumped at a 100-barrel rate as naturally as if the well was a regular Dolly Varden instead of a rank duster. But there was the oil coming right out of the ground, and what more evidence could a man want? It was not until after the cash was paid over that the secret pipes were discovered.

But the great drawback to any improvement in the market in the Kern field is the willingness of hard-up companies to sell their oil at low prices. There are still some concerns that are selling oil for 17 cents a barrel, one company contracting only a few days ago to deliver 75,000 barrels at that price, the purchaser being one of the largest producers in the field who considered it cheaper to buy to fill his contracts than to produce the oil.



View in the San Pablo District, Contra Costa County.

THE NEXT OIL FIELD.

What the Persistent Prospector May Discover.

Where will the next big oil field in California be opened?

The man who can correctly answer this question has a fortune in his grasp.

The trouble is no man can answer it.

It is safe to say, however, that it is only a question of time until a new field will be discovered. The uneasy, venturesome wildcatter is never idle: in season and out of season: high market and low market, he continues to punch holes into the earth in remote places in hopes of discovering some hidden and heretofore unknown pool of the oleaginous fluid which shall prove to him a sudden route to wealth.

With one exception all the large fields, that is the recognized fields of the state, are practically defined and drilling now is within known or proven limits. Prospecting or drilling for oil is very largely a game of chance, and like almost every other speculation of its character, it loses interest when the chance element is eliminated. Excitement and speculation, high prices and keen interest follow new discoveries. Likewise they disappear from oil fields as the territory becomes defined. So we see little activity in any of the fields now. In Kern River the boundary of that field is well determined and all the land within the limits is taken up. From now on it will be simply a question of developing the territory. Companies will continue to drill more wells as the consumption demands' and in all probability there will still be a little drilling going on in Kern River a quarter of a century hence.

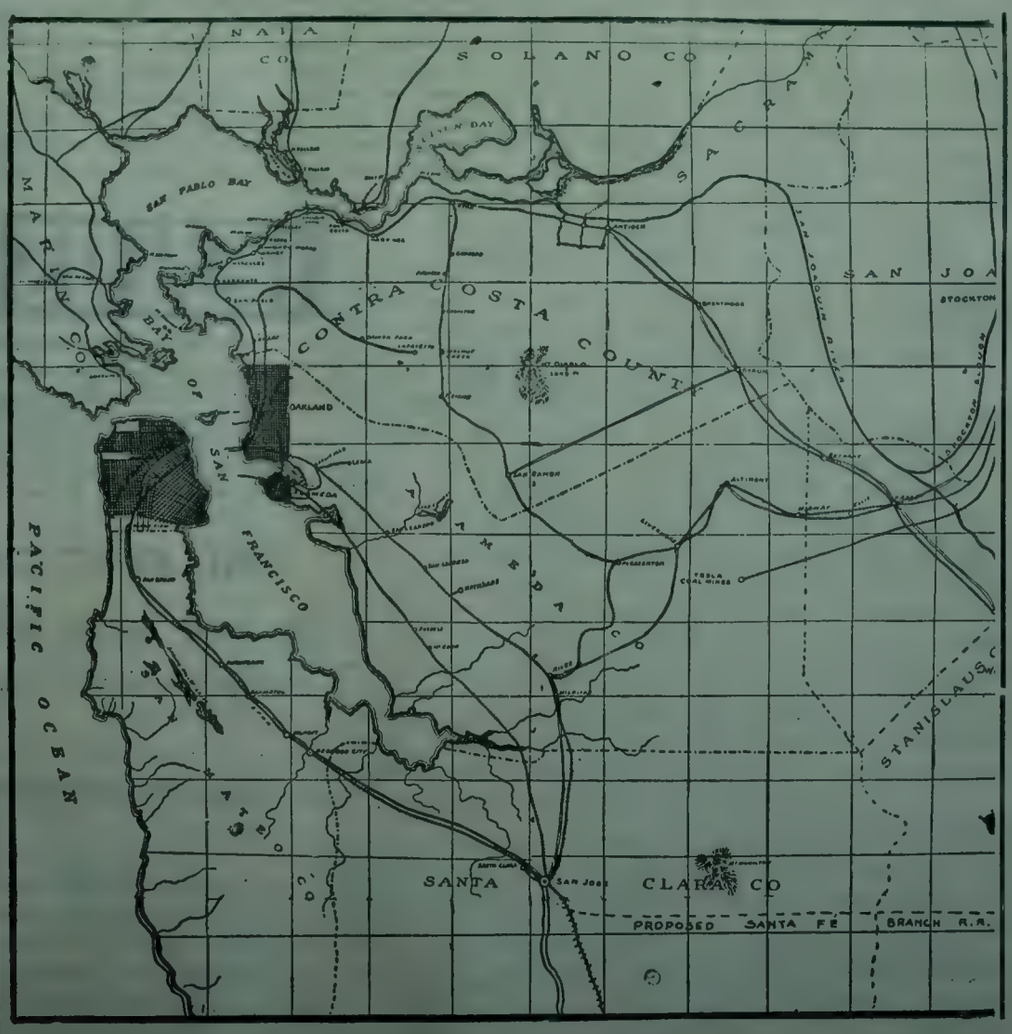
The Los Angeles field has been hemmed in by a cordon of dry holes, and there seems to be no probability of an extension of the field. Geologists tell us this and that, but as some "greaser wit" has said "One well in the sand beats a hundred geological guesses," and geologists can do no more than guess, and that they are most times striking failures. One man can see just as far into the earth as another, when its oil they're after. During the past eighteen months the earth has been literally poked full of holes around Los Angeles, but the field has not been extended. An effort was made to find a continuation to the west, but aside from the successful expenditure of vast sums of money nothing of moment has come of the prospecting. Dry hole after dry hole, dusters of the rankest variety have been drilled in almost every direction from Western avenue, but the sucker-rod belt seems to have petered out to a finish before that point was reached. To be sure a few shallow wells were found on the south side of the avenue but they are of small caliber and inconsequential in the reckoning of oil fields. Efforts to find an eastern outlet have proved equally futile.

The question is what does it mean? Is the Los Angeles field going to exhaust itself and is the city on the eve of parting with its prestige as the oil metropolis of California? The reply to the first of the two questions comprehended in one, must be tentative while the second may be vouchsafed with considerable certainty. In the first place much depends. As we have said, one man can look no further into the ground than another. Every spot tributary to Los Angeles has not yet been tested. Again some of the very territory lately condemned may some day prove valuable producing territory. In a great many places west of the city considerable evidence of oil was found. In fact it may be said that the whole west country from the city is saturated with oil, but not in quantities to pay to produce. This is true also of a large part of this state. It has been quite conclusively proven that oil does not stand still, and it is reasonable to presume that some day a pool may be formed and discovered which will give rise to a new field.

This theory may not be readily accepted. But let us see. There are numerous instances in the east where territory was tested and abandoned as dry, which twenty years later proved unusually profitable. The very wells abandoned as of no account, upon being cleaned out years afterward were good producers. Did the oil move there from elsewhere, or was it subsequently formed there? The former is the most plausible theory of the two. Then may we not expect that something of this sort may occur here? Certainly the mineral oil formation in California is of a much more recent period than that of the east. Is it not a good geological or mineralogical guess that the fact that so vast an area of land in California is saturated to a more or less degree with a low grade, or unmatured, petroleum an evidence worthy of consideration that the mineral so found, uncollected, has not had time since its formation to gather? Is it not a plausible theory that it will gradually percolate through the different formations of earth, gathering in quantities as it filtrates until it forms vast pools in the concave of some impervious stratum? Is it fair to presume that all the great deposits of petroleum were formed out of whatever substances the mineral originates in that particular spot, or is it logical to reason that, if oil is of "vegetable extraction," as some eminent authorities tell us, it was formed here and there in small quantities and by nature collected in earth's reservoirs? And again, if this theory is correct, may we not expect some of the wells now being abandoned in California as "dusters" some day to prove spouters as in Pennsylvania?

But in the meantime! Well, the drill will go merrily on, and perhaps some subterranean reservoir of immense prolificacy will be tapped which shall gush forth rivers of oil. It will not be surprising if somewhere on this coast an immense pool will be found which will yield more liberally than any yet discovered. Ohio, Pennsylvania, West Virginia, Texas and other oil states have produced their 3,000, 5,000 and 10,000 barrel and even larger wells. And why should it not be expected that where are all the evidences of a vast deposit somewhere large wells will be found? Perhaps an all-wise Providence is withholding his great riches until such time as his people are prepared to make use of them and enjoy them.

And that leads us up to further exposition of the subject—the exhaustion of the Los Angeles field. It has been found that by drilling one, two or three hundred feet deeper the exhausted wells of the field, good producers can be found in the second sand. That



Map of Bay Counties The Exploration work of the Berkeley Crude and American O. & R. Companies is being carried on between Orinda Park and Lafayette, Contra Costa County.

is, for an outlay of $800 a 25 to 50 barrel well may be secured, and certain ones are buying up old wells for this purpose. Undoubtedly very many if not all of the old wells will be rejuvenated as second-sanders. Thus will the field threatened with extinction be given a new lease of life.

As to the second part of the question, Los Angeles will continue to be the natural headquarters of oildom in California, for the reason that here are established the big iron shops, and here congregate the experienced men in the business, and here is the natural distributing point. It requires a long time for such shops as the Baker Iron Works and the Llewellyn Iron Works to acquire the knack of making oil-well tools acceptable to the trade, but when they do it is a difficult matter, almost impossible, to turn the current in some other direction. The two shops mentioned have passed through a trying period and not until within a few months have they been able to turn out joints which would stand the test. Every expert machinist cannot make oil well tools. It is a trade in itself, and many a fellow who was considered a first-class machinist has learned this to be true to his chagrin. Other places may acquire considerable importance as oil towns, and no doubt will, but Los Angeles, located advantageously for supplying the fields that now are and that may be in California, Arizona, Mexico and New Mexico, together with the advantage already acquired as above noted, will continue to be the Queen City of oildom.

But where will the next field be? That is the question. We wish we knew. It may be above Santa Monica; it may be in the vicinity of the Western Union strike above Santa Barbara; it may be at San Luis Obispo or Santa Cruz, or perhaps along the ridge between Palmdale and Victor. Perhaps it will be at Colusa or somewhere on the desert, although little encouragement has been found at Victor or Barstow. Again, the next big field may be down in Arizona, Mexico or Lower California, but that a pool will be opened up somewhere in the vicinity of one of the many known seepages is more than probable, for, as has been said, the wildcatter is a restless, indefatigable, persistent animal, and when he goes broke there is always someone to come to his assistance or to succeed him. It will be surprising if the next pool is not discovered where least expected. It usually runs that way.

Sunset is yet undefined, and some good wells may be brought in there. This field is as yet quite an unknown quantity and may develop some surprises. R. H. Herron's persistency in Colusa County may result in a "streak of good luck" one of these days. Herron reminds me of one Dr. Van Scoy in a certain Eastern field. Van Scoy, a young physician, became imbued with the idea that in a certain district there was oil, and he began to drill—dry holes—one, two, three, five ten, the good Lord knows how many; I don't believe "Doc" knows. Now and then he would get just smell enough of oil to goad him on. So the years came and went. Every dollar Van Scoy got went into a round hole in the ground. While drilling one well he was prostrated with fever out in the woods and for weeks hovered twixt two worlds, fearing to claim either one for a residence. When he got well Doc's head was as bald as a billiard ball and it has remained so to this day. But that only made him the more determined. "Where does Doc get all his money?" people asked, but the question was never answered. He got it and was never sent to the penitentiary, and that was sufficient. When a new "duster" was drilled he was just a little more attentive with his practice and forced collections a trifle harder. After fifteen or twenty years people began to lose interest in Van Scoy and his ventures, and with all due respect to him—he he doesn't care now—they came to think him a particle off on the subject. But ill luck rarely wins out against the persistent man, the man who never gives up. If he strengthens by each new experience some day he will get the strangle-hold on his adversary and come out victorious. Thirty years is a long time, especially under adverse circumstances, but that is how long it took Dr. Van Scoy. Then he struck oil and brought in the famous Watsonville pool, and when he sold out to the Standard for a neat fortune some one said to him, "By George, Doc, but you're a lucky dog." Fired up for the first time in all these years the usually calm and conservative man of medicine retorted: "Luck! luck! Luck do you call it? after I have spent thirty years of discouraging prospecting, spent $250,000 and submitted calmly to jeers and ridicule from you who thought me crazy—and now you call it luck."

Luck, success, victory, or whatever you call it, came to Dr. Van Scoy. It may come to the persistent Californian, Mr. Herron. Van Scoy less than a year ago saw 100 barrels an hour from a single well flow into the Standard's tanks at the market price of $1.27 a barrel. After he sold to the Standard he and his associates began prospecting for a second pool in the same vicinity, and after drilling eleven dry holes brought in the above well. The land was there all the time, but the stick-to-it man got there. And some people call it luck. In this same way other fields will yet be found in California.

WESTERN COLUSA COUNTY.

Continued from page 3.

LOG:

August 23, 1901—Began spudding; made 28 feet; formation, adobe, becoming shaley, and shale (upper).

August 24—Made 27 feet; formation, clayey shale, soft sandstone 8 feet; 55 feet.

August 26—Made 40 feet; formation, soft sandston and clayey shale; 95 feet.

August 27—Made 45 feet; struck vein of fresh water at 138 feet; formation, same as above; 140 feet.

August 28—Made 25 feet; 60 feet of water in hole; lowered during day; formation, clay, shales, sandstone; 165 feet.

August 29—Changed to walking beam and fixed rig; 7 feet; formation same; caved a little; 172 feet.

August 30—Made 18 feet; dressed bit, etc.; formation; blue clay and shale. little cave; 190 feet.

August 31—Made 28 feet; put in 22 feet surface case; water exhausted at night; formation same and some sand; 2.0 feet.

September 2—Made 17 feet; bent bottom of case; took it out; formation, sandstone; 100 feet water; 227 feet.

September 3—Made 23 feet; water exhausted; formation, soft rich shale; 250 feet.

September 4—Made 28 feet; water exhausted; formation, same as above and strata of sandstone; 278 feet.

September 5—Putting in 10-inch casing; 2-foot joints.

September 6—Made 8 feet; finished casing 100 feet, forced; 286 feet.

September 7—Made 20 feet; struck another vein of water; formation, shale, 2-foot strata green-blue shale, stratified; 306 feet.

September 9—Made 16 feet; water causes some caving; formation, soft blue shale; 322 feet.

September 10—Made 26 feet; some caving; formation, soft blue shale; water, mucky, 348 feet.

September 11—Made 14 feet; 200 feet water; trace of oil; formation, clayey shale, or blue shale, mucks with water; 362 feet.

September 12—Made 11 feet; water; oil trace; formation, shale; 5-foot strata blue stone filled with shells, with stratum conglomerate beneath; 375 feet.

September 13—Made 13 feet; water as before; formation, shale; mucks; oil trace; 386 feet.

September 14—Made 9 feet; mucky; fixed rig, etc.; formation, soft blue shale; water same; oil trace; 395 feet.

September 16—Made 15 feet; 300 feet water; caves as before; formation, shale as day before; oil trace; 410 feet.

September 17—Made 12 feet; water same; cavy in morning; formation, soft blue shale; oil trace; 422 feet.

September 18—Made 7 feet; water; oil trace; formation, shale, soft; over 300 feet water; works mucky; 429 feet.

September 19—Preparing to case.

September 25—Cleaned out and drilled, 5 feet; formation, soft sandstone and shale; 434 feet.

September 26—Made, 19 feet; 8 feet sandstone and shale; gas; 453 feet.

September 27—Made 21 feet; formation, sandstone and shale; gas, oil trace; 474 feet.

September 28—Made 31 feet; formation, clayey shale, gas, oil trace; 505 feet.

Drilling continues.

This record of 500 feet in five weeks was made by one driller and a toolie working single tour and dressing their own bits.

The directors of the Berkeley Crude are B. F. Arnold, president; Seneca Gale, vice-president; Jos. M. Johnson, J. R. Little, Edward Flood, Dr. S. H. Frazier, D. B. Hunter; W. J. Mortimer of Berkeley is secretary.

One and one-half miles west from the Berkeley Crude is the hole of the American Oil and Refinery company, now down 1175 feet This company has had much trouble from caving, and has the casing down about 1000 feet. They went down 1330 feet in their first hole and found some oil. This company is using a wire rope and Swan swivel for drilling, and it is stated get good results. Mr. Samuel Meale is superintendent of the company.

About two miles east from Lafayette stands the heavily built derrick of the Grand Pacific, which has suspended operations after reaching a depth of several hundred feet. Two and one-half miles northeast of the village the National Paraffine company, of which J. De Vost of Oakland is superintendent, is working its way through a sticky caving adobe formation and is now down 600 feet with a eleven and five-eighths hole. Further northwest the Mt. Diablo, Point Richmond and other companies have done some prospecting, and the Mt. Diablo has a well which yields about ten barrels a day of good oil.

It is to be hoped that the persistence of the operators in this county will be rewarded with success. The high quality of the oil and the unequaled transportation facilities will give a golden harvest to any one who is successful in finding the oil which is undoubtedly present if it is in paying quantities.

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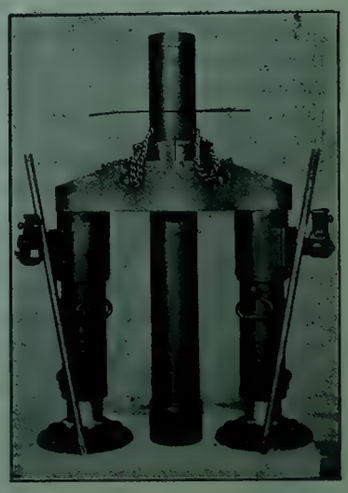

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FRIDAY, OBTOBER 4, 1901.

Still at Loggerheads

No industry has been effected by the strike more than the oil industry. The necessary tools could not be obtained. Work has been suspended on at least fifty wells on account of the inability of the iron workers to fill orders.

Now that the teamsters have ended their fight, and they and those who were affiliated with them, have returned to work, it is to be hoped that some arrangement may be made by which the machinists and their employers can effect an understanding, and the work around the forges may be resumed.

The machinists are suffering and the employers are losing many thousand dollars worth of work that would naturally have gone to San Francisco but is now sent elsewhere.

San Francisco through its strikes has sent millions of dollars to other Pacific Coast cities. It is a wonder the city has grown as it has for it has certainly lost no opportunity to injure itself commercially and industrially.

Some of the employers deserve great credit for the efforts they have made to fill the most pressing orders of the oil men. Men who have not worked over the furnaces for many years have pulled off their coats, bared their arms and wielded the sledge as they used to years ago.

There ought to be no argument about wages or hours. The workmen refuse to work unless on a nine hour a day basis. They could not work longer during the short days of winter.

The matter ought to be and could be arranged satisfactorily if both sides act in the spirit of "doing to others as you would they should do unto you."

If the teamsters and those who went out with them have arranged matters, machinists can do likewise.

The present state of affairs is as ruinous as it is unnecessary.

Wage earners are suffering.

Manufacturers are turning away work that might be done in San Francisco.

Meanwhile the oil industry is suffering greatly.

The only remedy is to end the strike, and stop killing the goose that is ready to lay the golden egg for all concerned.

Contra Costa Oil Field.

Development work is progressing satisfactorily now in Contra county. There seems to be no question but there is a vast amount of high grade oil in this district and latterly exploitation is taking a more practical course. New and experienced men are engaged both as managers and drillers, and indications are favorable. The formation is materially different from other fields in the state, hence there have been mistakes in locations for development, but experience and careful study of the field will no doubt soon be rewarded. The close proximity to the chief market of the coast, tidewater and great railways, makes Contra Costa oil production most desirable, and the oil obtained so far gives proof that it is present in merchantable quantities. With this status of affairs the pioneer companies now operating ought to have no difficulty in interesting ample capital to make their test thorough and succcessful.

KERN RIVER OIL SHIPMENTS.

The shipments of oil from the Kern River field form a tolerably reliable index of progress in development and market conditions. From the beginning of the year the output showed a steady increase until August, when the low prices and bad market conditions caused a falling off of nearly 400 carloads With better prices and stronger demand prevailing in September, there was a corresponding increase in shipments, and a revival of development work following the completing of contracts and consequent resumption of pumping operations. It is expected that October will show a still greater increase. Besides the oil shipped, over half a million barrels has accumulated in the storage tanks. The following table shows the amount of shipments from the first of the year:

	Cars.	Barrels.
January	1055	158,250
February	860	129,000
March	1294	194,400
April	1296	194,700
May	1459	218,850
June	1207	181,050
July	1723	258,450
August	1394	209,100
September	1793	265,950
Total	12,081	1,809,750

MINDANAO.

Important Resources in the Big Island of the Philippines Attracts San Francisco Capital.

In discussion and description of the Philippine Islands the attention of the people of the United States has been so constantly directed to the Island of Luzon, of which Manila is the chief city, that the Island of Mindanao—nearly as large and quite as important in natural resources—has been almost wholly overlooked by the general reader. In addition to its other and varied resources Mindanao is just now presenting to the world the fact that it is capable of producing mineral oil. The fact that mineral oil has, for several years, been one of the leading articles of import into the Philippines from the United States lends importance to the recent news of the discovery by American prospectors of oil seepages and oil-bearing formations in Mindanao, and the preparations making for a practical development on scientific principles. As in California, so in Mindanao and other divisions of the Philippines, the fuel problem will soon come to be a matter of commercial and industrial importance.

But if there were not in the Island of Mindanao other rich and varied natural resources, awaiting the application of American energy and capital and their scientific application, there would be no occasion for the development of the petroleum resources, for the inhabitants of that island like those of other islands of the Philippine group, have no inclination to turn the resources and products of the soil into commodities of manufacture. Even the inclination to manufacture would be of no advantage without the knowledge of it—which they do not possess.

Mindanao, the second in size of the Philippines, is nearly as large as Luzon and several times larger than any of the other islands. It is the southernmost division of the group, and is inhabited by twenty-four tribes of peoples, mostly peaceable, the war-like tribe—the Moros—counting only one common enemy, the Spaniards, who no longer harrass them since American occupation was established. The chief city is Zamboanga, situate at the extreme southwest point of the island. It is the oldest of the Spanish settlements and is a large town, cleanly kept by a people rather more inclined to industry and civilization than the inhabitants of other towns on that coast. There is a pier extending into sufficient depth of water to accomodate small ships, but the larger vessels are obliged to lie to at a point further out. There is a fine harbor that needs only the application of American energy and American liberality to make it a port of entry for ships sailing between California, Hawaii, New Guinea, Australia and China. But under Spanish rule excessive harbor changes and custom duties served as an inhibition against friendly marine relations with other countries—so the harbor at Zamboanga has been neglected.

American enterprise will soon change all that. Indeed active commercial operation is already being set on foot for the creating and maintaining of commercial and industrial relations with the Island of Mindanao, through the port of Zamboanga. And the American people, who have so long thought of Manila as the only important seaport in the Philippines, will soon be turning their commercial noses toward Zamboanga and the vast natural wealth lying undeveloped and almost untouched in the interior and along the Coast of Mindanao. There are great areas of land covered with timber, such as Brazil wood, and other dye woods, gutta percha, palms, cocoanut; and along the coast pearl beds and coral reefs that yield rich returns upon small investment. A prominent traveler and writer, Dean Worcester, says that the Moros, whose coast abounds with coral, thought that his party were joking when they wanted coral; but when the natives found the foreigners were foolish enough to pay for it they began diving, and brought them coral by the boatload, and considered that 10 cents a boatload was big money for them.

This incident illustrates the small value the natives place upon their resources, and demonstrates the opportunity there is offered to American capital and push.

To enumerate the varied natural resources of Mindanao is but to repeat the records of the islands as a group. Rice, cotton, coffee, tobacco, sugar cane, maize, hemp-plant, dye woods, medicinal plants, opium, bamboo, cocoanut and other palms, Pina, tamarind, ebony, gutta percha and sapon; besides copper, gold and coal. Chief among these natural and partially cultivated resources are gutta percha, sapon and Pina woods; and only the last named is considered of much value by the natives—out of which Pina muslin, a fine, handsome fabric is woven. The sapon tree is the original Brazil wood, known in this country as mahogany, of a reddish color that in this country would be prized highly in the making of furniture and for interior house decoration. The copra, opium and gutta percha industries demand no extended description—their importance is apparent, as is the importance of various other industries and resources of the Philippines, as yet untouched.

The establisment of commercial and transportation relations between San Francisco and Zamboanga, and the creation of industrial development on the Island of Mindanao will mark an era in the commercial and industrial history of the Pacific Coast and the Philippines that will stand out in the future as the practical starting point of a new civilization and a new commerce. The initiatory work has already begun, with San Francisco capital laying the foundation of it; and I am informed that within a short time the first shipload of American goods—essential to the personal comfort of the natives—will sail for Zomboanga, to be planted as a commercial cornerstone in the establishment of permanent trade with the people of the island.

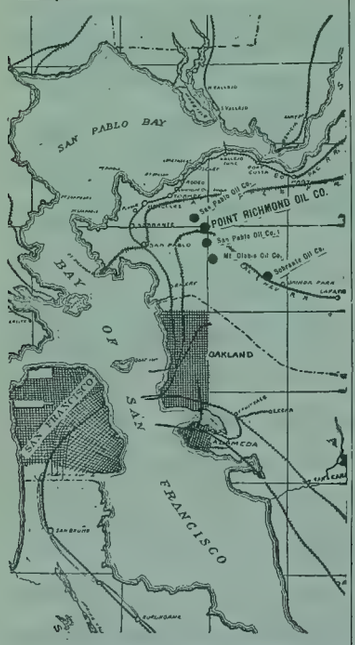
LEWIS H. EDDY.

STANDARD'S REFINERY.

Ground Broken at Richmond for New Plant.

Active work began last week on the new refining plant for the Standard Oil company that will be built near the town of Richmond, the terminus of the Santa Fe route. Construction will continue from now on until the big plant is finished. A large number of men will be employed, which means a substantial boom for the already thriving town of Richmond.

The first consignment of implements for the hands of the workmen arrived last Tuesday. The following day a gang of laborers was set to the task of breaking up the ground, preparatory to leveling and grading it for the reception of the oil refining machinery and tanks that will be placed upon it. When a dozen grading teams arrived on Thursday they were immediately pressed into service. The contract for the grading was undertaken by Erickson & Son, who expect to finish with it within



Location of the New Standard Refinery at Point Richmond on San Francisco Bay, north of San Francisco; also of the Union Oil Company at Oleum, and the Bartlett Refinery at Rodeo.

two weeks. W. S. Rheems, general superintendent for the Standard Oil Company, was on hand to direct the first day's operations.

The scene of the work is the Tewksbury tract, which comprises about 110 acres a short distance north of the town of Richmond. The Standard Oil Company selected the site mainly on account of its central location, being convenient to railroad systems, the the sea and the oil lands. The company proposes spending from $3,000,000 to $4,000,000 on the refining plant, which will be the most extensive in the West. Hundreds of men will be employed in the construction work, and after its completion as many will be employed to operate the plant. Contracts have already been let for fifty new houses to accommodate the laborers and for seven six-room houses for the accommodation of foremen and bosses.

BAKERSFIELD REFINERIES.

Additions and Improvements Now Going On.

The Pacific Oil Refinery Company, a corporation headed by Kern County oil men, has started to break ground on its land on Reeder Lake prior to the building of a refinery. When completed it will have a capacity of 1000 barrels, and possibly this capacity will be increased before the time of completion by 500 barrels.

The masonry work is to be started in a short time, and as all the machinery has been contracted for there seems nothing to keep the work from progressing rapidly.

The National Oil Refinery Company, which maintains a small refinery at Kern, intends to double the capacity of the works at that city. The machinery is said to have been ordered.

The Earl Crude Oil Company has completed a contract with the Tesla Coal Company to supply the latter with 1200 barrels of oil per day for three years. The oil will be used in making briquettes, or coal-brick fuel.

AT STOCKTON.

New Refinery to Be Erected Soon.

The machinery for the Davis Oil Refinery and Distillery to be located in Stockton, has been purchased and is ready to be shipped there at any time. Dr. Davis, who is at the head of the company, has been in San Francisco of late arranging the affairs of the corporation and word has been received here that everything is in readiness to begin work on the buildings at an early date. He is expected to come to Stockton before the end of the week and there will be something doing at once.

When he was here last he closed the deal for a piece of land near the briquette factory on the waterfront and the property has been turned over to the company. The Tesla and Davis companies are to be worked together to a certain extent. The asphalt taken from the crude petroleum is to be turned over to the briquette plant to be used in the manufacture of this new fuel. The factory requires a large quantity each day and it will keep the refinery busy furnishing it. In this way everything in the crude oil will be utilized and will go towards increasing the profits of the plant.

Just how soon the refinery will be in operation no one can say at this time, but it is understood that it will probably be ready for business in November. It is the intention of the company to rush work on the plant as the briquette factory needs asphalt now and all delays hamper the output of that plant. Quite a number of men will be employed in the refinery and not a few of them will be skilled men.

The Davis company has just closed a contract with the Earl Crude oil company for the delivery of 1200 barrels of oil daily for a term of three years from the time the refinery is completed. This, of course, is the maximum delivery, but it is reported that even this amount may be increased later or after the refinery is in operation. At the end of the three years the contract continues if both parties so desire and they will undoubtedly extend it and increase the amount by that time. The oil will be hauled to Stockton in tank cars.

ANOTHER REFINERY.

Ground Broken for the Bartlett Refinery at Rodeo.

New refineries appear to be getting plentiful along the eastern Bay Shore. In addition to the great Standard refinery now under way at Richmond and the Davis refinery at Stockton, Mr. Bartlett of the Arcola, Tremont and other Sunset companies had ground broken at Rodeo this week for a refinery of a capacity of 1000 barrels a day. The company has purchased a site of ten acres at the locality mentioned, and has already a pier built 1000 feet into the bay. A spur track is being put in, and the six stills of a capacity of 175 barrels each, with two retorts have been ordered. These will comprise $15,000 of the total cost of the plant, which will be $100,000. Two miles of pipe will be used, and an elaborate pumping plant containing half a dozen pumps. Storage tanks will be erected with a capacity of 20,000 barrels of crude and 2,500 barrels of distillate and refined products. The asphalt which will be manufactured here is already under contract in the East. The 14 gravity oil which is produced by the company's wells in Sunset says Mr. Bartlett, gives a good quality of illuminating oil of 45 gravity, which is of a clear white color and said to burn without smoke or odor, a small quantity of an excellent lubricating oil of a green color, which the company uses on its own machinery, and about 25 per cent asphalt. This does not seem to accord with the general belief that California oil cannot be refined. About 50 per cent is a 35 degree stove distillate.

The object in locating the refinery at Rodeo is to secure water to transportation. The freight rate on asphalt by rail to Eastern points is about $12 a ton; by water it is from $8 to $8.50. The price of Bermudez asphalt in the East is about $35 to $36, so that California asphalt has a fair chance for competition there.

The necessary capital for the enterprise has been secured from the East, and it is expected that the entire plant will be in operation by the first of January.

Oil for Railroads.

On June 17 last the Herald printed a survey of the prospects for production and consumption of oil in California at a period about a year in the future. This paper now says that it was not intended to be an exact prophecy, but was a suggestive statement of the drift of events. It was then understood that the Santa Fe route would not extend the use of oil beyond the state line, but that it would equip all its engines for the burning of oil. That work has now been done, and the prediction that the road would within a year be consuming over a million and a quarter barrels of oil a year is already practically fulfilled. The road is actually burning 100,000 barrels of oil a month at the present time, and has gone beyond the state line, thus exceeding the basis on which the estimate was made. The company is at present equipping all its engines operating west of Seligman, Ariz., for the use of oil fuel, and the outlook now seems favorable for the extension of the use of oil clear across Arizona before the passing of the year ending next June. In that event the use of oil by the Santa Fe railroad will probably reach 2,000,000 barrels a year at least.

It is not known just what the consumption of oil by the Southern Pacific railroad is at present, but it is known to have practically the same number of engines in service burning oil as the Santa Fe company, and it is a fair presumption that the amount of oil consumed by the two roads does not differ greatly.

During the last three months the consumption of oil by the railroads of the state has increased so greatly that the rate of consumption a year is now about three-quarters of a million barrels more than it was when the article alluded to was written, and still the two principal roads in the state are continually equipping new engines for the burning of oil, and there is still a large number of available engines burning coal.

Electricity in Fields.

The Sterling Oil Company is now engaged in furnishing electric power to many plants in the Kern River field, and the system is very satisfactory. Before many weeks a number of new dynamos will be installed, as some of the large producers are planning to adopt the system. The Illinois Crude is drawing its supply at present from the Sterling.

"Crude oil is by far the best fuel for smelting." This is the saying of Daniel Guggenheim, chief executive of the American Smelting and Refining company.

NEW DEVELOPMENTS.

What the Times Has to Say About New Work.

The tide has turned in favor of the drillers, and throughout the oil fields of the State many of the operators have already rubbed the summer dust from the rigs and have resumed the search.

Mr. J. E. Hooker, who is now making a tour of the State in the interest of a local supply house, writes from Newhall that the activity in the north is quite general.

"In the Kern fields things are again picking up," writes Mr. Hooker. "In fact all over the State, in nearly every field, new activity is being shown. The general opinions of the different operators tend to show that the statement in the Times a short time ago, that there would he a general demand for oil this year, will be realized. In fact several state positively that the coming demand for our oil will be greater than the production. These opinions are based on the fact that the different steamship companies have decided to replace coal as fuel by oil, and are even now having their boats fitted up with oil burners. This, with the different railroads substituting oil for coal in their locomotives, and the large factories following closely in their wake, make it only a matter of a few months when the demand for oil will be double what it is at present, and extensive development work will have to supply this demand. All over Santa Barbara County rigs are going up.

"Here in Los Angeles County even more activity is beginning to be shown. At Whittier and Fullerton the most activity seems to manifested. Right here in Los Angeles we find new bustle and life among nearly all the different companies.

"At Newhall several new wells are going down, and the different companies there are putting in new pipe lines and giving their works a general overhauling. At the new fields at Acton, just north of Newhall, we find one of the best undeveloped fields, with seepages so numerous that striking a good flow in this field seems almost a certainty.

"The Pacific Coast Company's wells are being overhauled and new machinery for that company is being taken to the field."

Roumanian Storage Methods.

A correspondent in the Roumanian Moniteur draws attention to the methods of storing crude petroleum in use on the Roumanian oil fields. From the mouth of the well to the nearest reservoir the oil is conveyed in an open ditch. These reservoirs are nearly always open, and it is probable that none of the producers have given themselves the trouble to consider the importance of this defective method of storing the crude petroleum. They should be aware that when crude oil comes in contact with the atmosphere it loses a great part of its benzine, which constitutes its most valuable product. Moreover, the open reservoirs facilitate the oxidation and resinification of the crude by coming in contact with the air. A burning oil extracted from a resinified crude is not only inferior in quality, but it is also more difficult and costly to refine the crude. While the reservoirs are placed under the defective condition mentioned, a large portion of the benzine evaporates before the crude oil reaches the refinery, and the losses resulting from such evaporation are by no means unimportant. If we admit a loss in benzine of 5 per cent only, although it is probably far greater in reality, on a production of 30,000 cars we have a loss of 1500 cars of light benzine; and reckoning only 1000 francs ($200) per car, the loss would amount annually to a million and a half francs, a figure of great importance, even for larger and wealthier producers than the Roumanians. The reservoirs in which the crude petroleum is stored should be closed, if not hermetically, at least very thoroughly, and the channels, by which the oil is conveyed from the well to the reservoir should also be protected. Such precautions certainly cannot be objected to on the ground of expense.—Petroleum Review.

SEPTEMBER SHIPMENTS.

More Oil Sent Out Than Ever Before.

There have been 1793 carloads of oil shipped from the Kern River field over the Southern Pacific railroad during the month of September, which is about 500 cars more than was brought in last month. The Californian says that during the past four weeks there has been a general revival of development work in the local field, and many of the producers having completed good contracts for their production, have started up the pumps and many more are now preparing to resume work The shipment for the present month is greater than that of any previous month, and it is expected that a still greater number will be recorded for the month of October.

The daily shipment from the field is as follows:

Days	Cars.	Days.	Cars.
1	50	15	78
2	57	16	34
3	61	17	59
4	61	18	92
5	66	19	75
6	75	20	52
7	53	21	65
8	71	22	51
9	74	23	70
10	50	24	50
11	69	25	78
12	70	26	78
13	70	27	69
14	65	28	71

A notice of attachment of the interests of the California Crude Oil company described as the NW¼ of the SW¼ of 19, 28-28, was filed recently.

20c 20c

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Do you wish to make money? Then be careful and invest only in a sound and safe company! This stock is non-assessable! **Oil guaranteed!**

Land lies ½ mile from S. P. R. R. terminus, near the three 35,000-barrel Standard oil tanks in McKittrick. There is no superior land to ours in any district.

Contract let for first well, derrick, etc., erected. Eleven additional wells will be drilled as fast as tools can do it Why invest in a fake company making false promises o immense dividends on lands which will not produce a barrel? Ours is absolutely proven; failure impossible!

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50,000 tons of gypsum for sale from this land to pay additional dividends to stockholders. We own 80 acres in Coalinga near famous Home Oil Company and adjoining an oil well in Napa Valley.

Drilling will begin in four weeks and well will be completed in sixty days, which, according to all our neighbors will be a very large one!

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Delays cost money. Send for prospectus.

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Midway Oil District

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These maps are published in pamphlet form and are properly indexed so that any one can find at a glance the location of any company desired.

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318 PINE STREET, SAN FRANCISCO

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

BUTTE.

The Hesperian Crude Oil company, which has been drilling near Richardson Springs, Butte county, refuses to expend more money and the hole has been abandoned. Its depth is not given.

At a depth of 600 feet, the Feather River Oil company, near Oroville, has struck oil. The quantity is yet very small, but an expert says it is of fine quality. The last 125 feet was through sandstone similar to that found in the Pennsylvania oil fields.

COLUSA.

Another small quantity of oil—less than one gallon—has been encountered in the Williams well.

The Chehalis Oil company has again resumed drilling after a vexatious delay caused by a bit being lost between Williams and San Francisco.

It is reported that oil was struck in well No. 3, on the Smith & Gorrill lease on Sand Creek at 720 feet. Perhaps its the same old vein found in the other two holes.

It is said that two brothers named Hammond have arranged to run the Gibson Oil company's leases on Bear Creek. The derrick will be erected 400 yards from the Gibson oil seep.

FRESNO.

A little over one mile of the Maine State pipe line is laid.

Commercial Petroleum is down 1050 feet and is putting in 5-inch drive pipe. Progress slow.

The work of pulling the casing at the Carmelita is progressing. The 1500 feet of 5⅝ and the 1200 feet of 7⅝ are on top of the ground.

The Acme company, which is operating near Huron, started to spud last week and made 80 feet of hole. A defect in the rig necessitated a short shut down for two or three days.

Work at the California Oil Fields (Lmtd) is at a standstill this week on account of no water, the pumps at the Valley water company's plant being disabled.

The material purchased by H. H. Hart for a pipe line from the Caribou and Sauer Dough has been sold to the Union, who will lay a branch line to the property of the above mentioned companies, connecting them with the present line that runs from 28 to Ora.

HUMBOLDT.

Prof. Watts and his crew of men under the foremanship of ex-Supervisor Scott, are still at work sinking a shaft down to bedrock near the Union oil well up the North Fork of the Mattole River, the object of which is to ascertain the dip of the oil bearing stratum in that section. The great amount of gas encountered is retarding the work considerably, but when finished the Professor will resume his investigation in the Bear River section.

Mr. Hoagland has secured an oil saver, cap and other appurtenances for his well, which he feels will prove a producing one when drilled a few hundred feet deeper. It will be remembered that just before going below he struck oil in quite large quantities, and he seems to have no doubt whatever but what he will soon reach the main oil-bearing stratum. Mr. Hoagland substantiates the report that the Wild Goose well at Joel's Flat, near Petrolia, is to be perforated, and he says that from what he knows of that well, he would not be surprised if it proved to be quite a producer. In any event he says the Wild Goose people do not intend abandoning work, but will sink another hole in close proximity to the one bored this summer as indications fully warrant the expenditure.

KERN.

British California has the rig up for No. 5.

Hart Crude has the rig for its third well completed.

The P. D. company has completed No. 15 on section 4, 28-28. The well is a moderate producer.

Minnehaha No. 2 was put on the pump yesterday. The drill will be dropped for No. 3 at an early date.

Maricopa begun drilling on its No. 2 today. The company expects to sink several new wells during the season.

The Peerless will erect another rig at an early date and will set the third string of tools at work as soon as possible.

The Stevens lost a sand pump and a bailer in its well, section 19, 28-28, yesterday morning, but before the day had passed the hole was cleaned out and work is again going on.

The Panorama Oil company, which was reported to have struck the pay streak on the south side of Kern River, is now pulling its casing and preparing to dispose of its material.

The Mercedes has completed a good contract for the product of its four wells and is preparing to resume operations. Several new wells will be drilled on its holdings, 5, 29-28, this year.

Silver Bow, which had a good deal of trouble with its casing early last spring and which compelled it to abandon the hole on account of its inability to pull the drive pipe, has moved its rig and is again going down for the oil sand.

The Potomac Oil company has completed a good contract for its product and will soon begin pumping its wells. The company expects to have three or four strings of tools working on its property, section 29, 28-28, inside of two days.

The Illinois Crude has not succeeded in making an effectual landing though it has been trying to finish the hole for several days. The drill is now making about ten feet a day and Manager Wrenn is of the opinion that the well, which is 1000 feet deep, will be completed this week. The derrick over this well was shattered two weeks ago by the blow-out reported at that time.

Andy Shuster who has been drilling in the Kern River fields for the past few months, has invented an oil burner which is bound to become popular and it is thought will in time revolutionize the use of oil as fuel. The burner is a very simple piece of workmanship, but it is so arranged that the spray of oil and steam can be adjusted very accurately. Mr. Shuster has applied for a patent on the invention and is now introducing it in the local field.

The Sterling is furnishing electric power for lighting the Illinois Crude and many other plants in the Kern River fields. The electric lights, after the wire has been strung, are much cheaper and give a better light to work by than does gasoline, and by their use the danger of having the derrick destroyed by fire is considerably lessened. Several of the larger companies which have not already provided for lighting by electricity are planning to install dynamos and others are planning to get their power from neighboring plants.

The Spring company which had a good showing of oil on its property on 11, 29-28, has unfortunately gone through the upper strata, in its second hole, into the water sand and is now experiencing no little amount of trouble in shutting it off. The water stands in the hole within 150 feet of the surface. Another effort to overcome the difficulty will be made and if it is not successful the casing will be plugged just above the water line and the oil will be pumped from the upper strata. It is thought the well will then be good for seventy-five or 100 barrels per day.

A rig has been sent to the Minnesota Oil and Refining company's holdings, on the northwest quarter of section 22, 32-24, where a hole will be drilled as speedily as possible. The Minnesota is one of the few oil companies that has gone outside of the proven territory in the Midway district to sink a hole. Heretofore the development work has been in progress along the foothills in section 28 and to the south, while this company has jumped across the valley to the northeast and will sink its hole on an entirely new strip of foothills. The nearest strike to the company's holdings is that of the Stratton about three miles distant.

The Minnesota Oil and Refining company is planning to invade Northern Sunset. It has secured holdings on section 22, 32-24, where a hole will be drilled as speedily as possible. A carload of machinery necessary for the work is now on its way from Aberdeen, S. D. The enterprise is backed by Minnesota and Dakota capital, and the intention is to push work from the start. Heretofore the development work has been in progress along the foothills in section 28, and to the south, while this company has jumped across the valley to the northeast and will sink its hole on an entirely new strip of foothills. The nearest strike to the company's holdings is that of the Stratton, about three miles and a half from the prospective hole.

LOS ANGELES.

The East Whittier Oil company has No. 2 down nearly 1200 feet and is making excellent progress since the casing was pulled and put in again.

The Whittier-Fillmore Oil company is approaching 900 feet with the well being drilled on the Tubbs-Evans tract.

The El Moro Oil company's No. 2 is down over 1100 feet. There have been good indications in this well almost from the top of the ground.

A crew is putting down a well with a portable rig on the Palo Solo Oil company's lease and has resumed drilling after a shut down of several days.

The two wells of the Central Oil company are down about 1000 feet. Especially good progress has been made on the second well to start drilling.

The big 10,000-barrel wooden tank on the Murphy Oil company's property is completed and is being covered this week with a tank house. This will give the company in the vicinity of 20,000 barrels storage.

The Home Oil company has made nearly 700 feet on No. 13, and there is already a good sand in evidence. On No. 10, which is being deepened, good progress is now being made at a depth of 1300 feet.

The Whittier Oil and Development company is making progress on its well. The bit lost some months ago has been successfully cased off.

No. 5 of the Whittier Crude Oil company is down over 1000 feet into the second sand. The first sand which would have made a 15-barrel well was cased off some time ago. A good well is already assured. The contract is for a 1500-foot hole.

The Warner company's well No. 5 will be completed at a depth of 1000 feet. There is a good depth of sand and the new one should be a good producer. The derrick for No. 6 is completed.

The North Whittier Oil company is down nearly 1000 feet on No. 2. At the present time the drill is working in shale and the work is easier than it has been for some time.

SOLANO.

Very little progress has been made at the Vacaville oil well the past week. In fact the progress has been slow for the past two months.

The Armijo Oil company has abandoned its well near Suisun on account of the lack of funds, and the non-assessable character of the stock. The hole is down 900 feet.

SHASTA.

The well of the Shasta Consolidated Oil company, in Shasta county, will have to be abandoned. The well was bored down between 900 and 1000 feet, but a lot of tools are now lying at the bottom which have been fished for during the past two weeks without success. The company has reached the end of its financial rope and work will have to be abandoned. The company had not anticipated striking oil short of 1200 feet.

SAN BENITO.

The San Benito County Crude Oil company have put three rigs on lands south of Hollister. One rig has been placed upon the O'Hara place near Paicines; one on the Towle place at Emmet and another on the Merrill place near Hernandez. The rig builders are expected here next week.

The Hollister Petroleum Development company has two shifts working day and night and have drilled over 700 feet Traces of oil have been found. An immense body of shale is now being pierced with the drill. Great quantities of gas have been encountered. A few days ago the few gallons of water used at the drill with a quantity of shale sand, etc., were thrown 100 feet in the air by the gas.

SAN LUIS OBISPO.

In drilling a water well at San Luis Obispo workmen found a shale which, when placed in fire, burned readily, indicating the presence of oil. A large drill is now being used, with the expectation of going down to either oil or water at a considerable depth.

SANTA BARBARA.

On the Underhill rancho, the Primavera Oil company has a 650 foot well. This is the third attempt to get oil there. The two first went astray.

Other companies that have been idle for some time expect to be at work again very shortly. Within a month the vicinity of Los Alamos will show great activity.

The Casmalia Oil and Development company will begin drilling at Santa Maria in a few days. A fourteen-inch hole is to be sunk about 2000 feet.

On the Orena rancho, near Los Alamos, two wells are to be put in at once. Rigs are going up and drilling will be commenced within a week. On the Harris rancho drilling will be commenced probably the first of the week.

The well known well on the the Carreaga rancho, the Western Union company's spouter, has been practically completed. A telephone message had it that drilling had been stopped, as the well had run into oil sand, the previous big yield having been from shales. It is not known whether the well will be drilled deeper or not. A big tank has been put up at Blake station, three miles

from the well, and possibly by the first of the week will be run into it. Well No. 2, on the Carreaga rancho, is 220 feet deep, and it is thought the drill is about to enter sand. At present it is good for thirty barrels a day.

TEHAMA.

A message from the Corning Oil and Gas company of recent date stated that the drill was down 1570 feet. The formations encountered continued satisfactory, and the oil seepage was becoming heavier. It was also stated that oil seeped away from the excavations on the dump.

VENTURA.

The Pure Oil company recently completed a well that is said to be yielding a very fair quantity of 32-gravity oil. In the same corner of the field the Loma wells are going at a lively rate, and the gravity of the product is given at 37.

A new organization, which will be known as the Hartford Oil company, has recently acquired holdings of the Aquilla Oil company, and expects to begin work at once under the direction of S. O Wood, a well-known hydraulic-mining engineer of Los Angeles. The property secured is in the heart of the Santa Paula field, and has its neighbors many of the pioneers of that section.

Coming Events.

Consolidation seems to be the cry of the day and it is predicted that much more will be accomplished through the amalgamation of interests and the consequent increase of working capital in each single organization than could have been brought around by divided effort. In the matter of gold, silver and copper there is and has been much activity, and now that the mammoth oil beds of California are attracting universal attention throughout the world it is reasonable to suppose that greater activity in their development will soon be the order of the day. There never was a period where conditions both natural and social seemed to conspire with a greater degree of success for the benefit of the masses than at present.

Incorporation allows the man of small income the same opportunity to share in the profits which accrue from all enterprises as are enjoyed by the capitalist or millionaire. In oil mining scores of men of limited means have attained financial independence through a judicious investment. California can boast of dozens of strong, reliable oil companies among which is the Standard Consolidated Oil and Land company, whose stock can be purchased at present for 20 cents per share. This company is able and efficiently managed and in the course of events will become a large producer of crude petroleum and pay large dividends to its stockholders.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, October 2.

BAY CITY.

400 at	40	160 00

CARIBOU.

100 at	78	78 00
400 at	80	320 00
700 at	75	525 00

CALIFORNIA STANDARD.

600 at	22	132 00
1000 at	21	210 00
1000 at	23	230 00

FOUR OIL.

3920 at	38	1489 60

GIANT.

1300 at	30	390 00

HANFORD.

9 at	113 00	1017 00
2 at	110 00	220 00
3 at	105 00	315 00
16 at	103 00	1648 00
1(B60)at	105 00	105 00
11(B90) at	102 00	1122 00
1 at	96 00	96 00
5 at	95 00	475 00
4 (B90)at	98 00	392 00
3 at	98 00	294 00
5 at	97 00	485 00
1 at	99 00	99 00
3 at	100 00	300 00
3 at	101 00	303 00
2 at	102 00	204 00

HOME OIL.

100 (S90)at	3 35	670 00
100(S90)at	3 30	330 00
100 at	3 30	330 00
350 at	3 35	1172 50
1100 at	3 40	3740 00
375 at	3 45	1293 75
100(B90)at	3 50	350 00
250 at	3 50	875 00

INDEPENDENCE

500 at	10	50 00

JUNCTION.

1800 at	22	396 00
2000 at	23	460 00
5200 at	21	1092 00
1200(B90)at	22	264 00
2000(B90)at	23	460 00

KERN.

80 at	5 50	440 00

KERN RIVER.

10 at	6 50	65 00

LION.

1000(Cash)at	09	90 00
2000(S60) at	08	160 00
2500 at	08	200 00
2000(S60)at	07	140 00
500 (S60)	08	40 00

LINDA VISTA.

400 at	08	32 00

LOS ANGELES O. & T.

50 at	2 85	142 50
50 at	2 90	145 00

MONARCH OF ARIZONA.

200 at	24	48 00
900 at	22	198 00
2806 at	21	589 26
1700 at	20	340 00

MONTE CRISTO.

100 at	1 70	170 00
400(Cash)at	1 67½	670 00
400(B90)at	1 75	700 00
333 at	1 65	549 45

McKITTRICK.

827 at	20	165 40

OIL CITY PETROLEUM.

300 at	24	72 00
1500 at	25	375 00

OCCIDENTAL.

350 at	40	140 00

PETROLEUM CENTER.

21100 at	01	211 00

PEERLESS.

360(B90)at	5 25	1890 00
40 at	5 00	200 00
35 at	5 12½	179 37½
110(B90)at	5 37½	591 25

REED CRUDE.

5100 at	31	1581 00
2000 at	30	600 00
7600 at	32	2432 00
1300 at	33	429 00
700 at	34	238 00

SOVEREIGN.

700 at	24	168 00
440 at	25	110 00

SAN JOAQUIN.

60 at	8 00	480 00
60 at	8 12½	487 50

STERLING.

200 at	1 30	260 00
500 (B 90)	1 35	675 00

Shares 83,395 Amount $37,656.58½

Sunset Road.

"The oil men will extend the Sunset railway if the company will not do it," said a Sunset operator "but if they do so it will carry no guarantee that the operators of the field will ship any given amount of oil a day."

It is understood that the company offered to extend the line to Midway if the producers would guarantee a shipment of 1000 barrels of oil a day, or more. A conference was held by several of the large well owners interested, and the proposition to build the line was accepted.

Pacific Coast Underwriting Company.

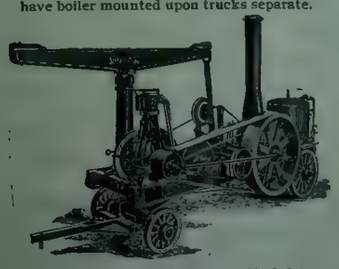
Incorporate companies; furnish everything complete.
Sell interest-bearing Gold Bonds.
Underwrite stocks.
Buy and sell Oil Lands.
Handle all kinds of mining properties.
Promote any legitimate enterprise.
Information furnished investors regarding Pacific Coast Corporations. Address,
Main Office, 507-8-9 Parrott Bldg., San Francisco, Cal.

For Lease

Twenty acres of absolutely proven oil land in McKittrick district to lease on royalty basis for development work. Chance for good, responsible driller. Securities required.
For further particulars, address,
W. G. KERCKHOFF
Wilcox Block, Los Angeles.

The Star Drilling Machine

Cut shows boiler mounted upon frame of machine for oil and gas works. It is usually advisable to have boiler mounted upon trucks separate.



Descriptive catalogue mailed free.

The Portable Rig which has placed upon a lower plane the expense of operating for oil or gas.

Its tests range from shallow water wells to a limit of 2825 feet in depth, but it is especially recommended for work under 1500 feet and can handle easily 1000 feet of casing.

One No. 4 Machine has a record of Thirty-two 800-foot holes in one year.

Made in Sizes to Suit Territory.

The only machines made that are absolutely without annoying springs. They are simple, powerful and efficient, easy to handle at work or on the road. Used in every State and Territory and in many foreign countries.

We also make full line of Drilling and Fishing Tools, Reamers, Sand Pumps, Spuds etc

STAR DRILLING MACHINE COMPANY

AKRON, OHIO.

WANTED

A responsible party with complete drilling outfit to drill a well on A1 oil land in Inyo County, California, for part of land. Address

ADAMS OIL COMPANY,

1531 Wall Street, Bakersfield, Cal.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares — Par Value $1.00 per Share

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED. Well No. 1 is now almost completed and is in oil.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at 25 CENTS PER SHARE. Write for Prospectus to the

Silver Star Oil Co., 607-608 Safe Deposit Building, San Francisco

ASTHMA CURE FREE

Asthmalene Brings Instant Relief and Permanent Cure in All Cases

SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

WRITE YOUR NAME AND ADDRESS PLAINLY

There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.

Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,

REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.

Dr. Taft Bros. Medicine Co.

Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted wfth this distressing disease. Yours respectfully,

O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.

Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City.

TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

Do not delay. Write at once, addressing DR. TAFT BROS'. MEDICINE CO., 79 East 130th Street, New York City.

To Investors

....THE....

Philippine-Oriental Commercial Company

Offers for a short time some of its capital stock, and calls attention to the following facts:

1. It is a commercial enterprise for the establishment of trading posts in the Philippine Islands.

2. The company will engage in transportation business.

3. It is under American control. Its incorporation under the laws of South Dakota insures the stockholders against personal liabilities for debts.

4. There is no promotion stock. Every dollar paid in goes into commerce and comes back in dividends.

5. Its management is in the hands of good business men.

For full particulars call at the company's office,

Room 44, Parrott Building

SAN FRANCISCO, CAL.

Telephone, South 492.

OIL FOR ROADS.

Carloads Free of Cost, Save Freight, for Experimental Purposes.

The city trustees of several interior towns have been offered a carload of crude oil, free of cost save freight charge, for experimental purposes in laying dust and in improving streets. Mr. W. C. Ambrose, manager of the Kern Oil company, operating in Kern county, made the proffer in person. He makes like tender to interior counties; doubles the offer, indeed, tendering a carload for experimental purposes in this quarter and a carload for similar purposes on the West Side, having been advised that the territory west of the San Joaquin presents distinctive road features and that Supervisor Clary is desirous of experimenting in the direction proposed.

Mr. Ambrose will provide means for the use of the oil and personally superintend the sprinkling. His process does not involve heating the oil; heating serving in his opinion only to render heavy oil more liquid and therefore less adaptable. The oil from his company's wells is not as heavy as the average of the Kern oils, hence heating is not necessary, he says, obviating considerable expense. These oils contain a very large percentage of asphaltum, a fact that in itself suggests the utility of the oil in road-making. It can be delivered in Tulare for 70 cents a barrel at present, the freight charge 47 cents, leaving 23 cents a barrel for the producer.

Price of Oil.

There has never been any time in the history of the oil industry when there was greater difficulty in arriving at the real value of oil in various portions of the state, says the Los Angeles Herald. In the Kern River field one person will say that the Standard Oil company is bidding 20 cents and another will declare that the same company is actually contracting at 25 cents. It is claimed that a broker in Bakersfield has for days had an order on file at 19½ cents, and has been unable to fill it. The fact seems to be that it takes about 25 cents to move oil with any degree of freedom in the field, while there are many companies which refuse to consider that figure, preferring to keep the oil in the ground.

Had Stock in Lucky Dime.

Redding has one young man that has "struck it" in oil. His name is Carl Jens. On an investment of $17.50 he can now realize $5,250, a gusher having been struck in the well that was driven in the Beaumont field by the company in which he had invested his money. The oil company that proved such a good investment is the Lucky Dime.

Southern Oil Stocks.

Oil and mining stocks continue to find a better market on the Los Angeles stock board and the amount of business done on the floor shows a slight increase for the week ending Saturday, September 28th. There were the usual variations in prices due to the incidents of stock trading, although no sensational fluctuations were recorded. There appears to be a bullish undertone to the market which can be accounted for in no other way than that the general tendency of prices is upward, owing to the improved conditions of the petroleum situation. Perhaps one of the most favorable symptoms to be noted is the wider range of trading which has characterized the business of the board for the past few weeks. For a long time there were but a few stocks which showed any activity at all and many of the regular listed securities did not appear in the transactions of the exchange for months at a time. As the present time this unfavorable characteristic seems to be disappearing.

Alpha was traded in to considerable extent last week for the first time in months and it has again appeared on the board this week. Brea Canyon, for a long time dead, has again come to the front. The same may be said of Fullerton Consolidated, likewise Southern Consolidated and several other securities. During the week just closed Pacific Slope has been the largest trader, moving at 2½ to 2¾ cents. Reed Crude which opened weak at the beginning of the week closed Saturday a couple of points to the good. Westlake is still off, owing to the pending assessment.

Among the mining stocks, Arizona Giant continues weak, although the outlook is for better prices. Bisbee West Copper seems also to be in line for advances. Black Hills Copper and Mingus Mountain Copper continue to fall off with little or no support from the bidders. Queen of Arizona remains stationary at 50 cents bid. South Bisbee Copper closed a point off from former prices.

Banking and kindred securities remain comparatively stationary.

Oil for Madera Roads.

According to the Madera Mercury J. W. Bearup today received a letter from the office of the Kern Oil company stating that a carload of oil which he ordered, was on the way here and would probably reach its destination today. The oil is to be used on the roads as an experiment and if it proves successful the supervisors will contract with Mr. Bearup for enough oil to keep the roads in good shape. Oil has been found to be very valuable to lay the dust and to keep the road hard. It is believed that the use of oil on the roads here will improve them fifty per cent.

OIL OIL

Deal with responsible people if you want to be protected.

"A word to the wise is sufficient."

Success camps with success.

"Then follow success."

Follow me!!!

With 14 producing companies I've broken the record—7 to 1.

Where would you have been, had you followed me?

The secret of my success lies in the fact that I place my clients on proven property.

I let others "wild-cat" and "prospect."

I'll be their neighbor IF they strike oil.

Write for a FREE copy of my "ILLUSTRATED OIL FIELDS," which describes the origin of oil in all its phases, where it is found, etc., etc.

References: San Francisco Banks.

Authentic information furnished regarding any oil company in the State of California.

I have trustworthy data always available.

Correspondence welcomed.

JAMES R. T. MERSHON

MEMBER SAN FRANCISCO OIL EXCHANGE

Rooms 537-8-9

PARROTT BUILDING

SAN FRANCISCO, CAL.

OIL OIL

OIL DIRECTORY

Leading Companies Now Operating in California.

BONITA OIL CO.
Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francsco, Cal.

CALISTOGA OIL AND DEVELOPMENT CO.
500,000 shares par value $1.
Operating on 2320 acres located in Napa, Yolo, Fresno, San Benito, Monterey and Kern counties. Officers: L D Hitchcock, president; R B Todd, vice-president and manager; B F Edwards, secretary; J M Caselman, treasurer; Dr. H G Thomas and Dr. E J Boyes. San Francisco National Bank, depository. Office, 23 and 24 Merchants Exchange, San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CUYAMA VALLEY OIL, COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 13, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner. President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

EL MEDIA OIL, COMPANY. Incorporated under the laws of Arizona, January 2, 1901. Capital, $500,000. Number of shares, 500,000. Lands, 160 acres in McKittrick district. Officers and directors: President, John Arthur Drinkhouse; vice-president, Ralph E Grover; secretary and treasurer, George M Wilcox; George M Flint, George W Austin, George Quarre, Piero Rossi; Hon E E Ellinwood, Arizona Representative; O C Pratt, attorney; depository, California Safe Deposit & Trust company. Office, 322 Safe Deposit building, San Francisco. There are 250,000 shares of treasury stock, of which a limited number are now offered at 25 cents per share, subject to advance without notice.

FOREST CITY OIL, COMPANY. Incorporated January, 1901. Capital, $500,000. Shares $1.00 each. Officers and directors: Nestor A Young, M D, president; George M Stevens, vice-president and general manager; Frank Records, secretary; Central Bank, treasurer; T L Ball and C C Carver. Stock full paid and non-assessable. Holdings are absolutely certain oil territory. Well No 1 completed and pumping. Offices, 229-231 Laughlin block, 315 South Broadway, Los Angeles, Cal.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock,
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

HECLA OIL COMPANY. Incorporated under the laws of Arizona, March 12, 1901. Stock absolutely non-assessable. Company owns 160 acres of choice oil land in the Sunset Oil district, Kern county, California. Capital stock, 1,000,000 shares; Par value $1.00 per share. Officers and directors: Dr F E Fletcher, president (connected with the Calumet & Hecla copper mines for 23 years); Capt John H Marshall, vice-president; Chas L Warfield, secretary, Perle M Johnson, treasurer; Patterson Sprigg, attorney. Office of the company, room 20, 1015 Fifth street, San Diego, California.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

ORIENTAL OIL COMPANY. Capital, $100,000. 100,000 shares at $1.00. Location, Kreyenhagen Oil district, Kings county. Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, secretary and manager. Office, Room 506 Parrott building, San Francisco.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president; F. M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer; C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

OBISPO OIL COMPANY. Capital, $1,000,000. Number of shares, 1,000,000. Treasury stock, 550,000 shares. All stock fully paid and non-assessable. Incorporated under the laws of California. Properties in Kern, Fresno, San Benito and San Luis Obispo counties, Cal. Incorporators: G R Parkinson, President Bank of Palo Alto; Captain Frank Barrett, Palo Alto, Cal.; K W Brown, Fresno, Cal.; Chas E Bond, Minneapolis, Minn.; C F Alderson, Chicago, Ill. Officers: John F Giles, president; Frank Barrett, vice president; Chas E Bond, treasurer; C F Alderson, secretary, K W Brown, assistant secretary. Office, Suite 74, Citizens Bank building, 119-121 La Salle street, Chicago, Ill.

POTOMAC OIL COMPANY. Capital stock, $2,850,000; Par value, $1.00. Has 2,000 acres in Kern, Los Angeles and Summerland fields, with 26 producing wells. Officers and directors: P V Schermerhorn, president; C H Ritchie, vice-president; R D Robinson, secretary and treasurer; D M Schermerhorn and W S Morton. Principal office, Potomac building, Los Angeles, Cal. Tel John 2281.

SALINAS OIL, AND DEVELOPMENT COMPANY. Capital, $1,000,000. 1,000,000 shares at $1.00. Land in Monterey county. Officers and directors: President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office, room 573-574 Parrott building, San Francisco.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL, AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, lCal,

USONA PETROLEUM COMPANY. Capital, $500,000. 500,000 shares at $1.00 each. Incorporated under the laws of California. Location 140 acres Midway district, Kern county, leased from Bay city, being 60 acres in N½ of NW¼ section 22, 32-23, and 80 acres S½ of SW¼, section 4, 32-23. Officers: Geo W Turner, president; Geo Hansbrow, vice-president; E N Sewell, secretary and treasurer; W R Stammers, manager; H W Merritt, J H Dorn, W W Hutchinson; Maurice V Samuels, attorney; Union Trust company, depository, Office, 301 Safe Deposit building, San Francisco.

WALDORF OIL AND ASPHALT COMPANY. Incorporated Feb 25, 1901. Capital, $500,000. 500,000 shares at $1.00 per share. Place of business, Hanford, Cal. Headquarters at McCord & Son, Location of lands, 1, 2, 0, Guadalupe, Santa Barbara county, Cal. Officers and directors: Geo B McCord, president, Hanford; Dr N P Duncan, vice-president, Hanford; J O Hickman, treasurer, Hanford; Wm M Madden, attorney for company, San Francisco; W H Worswick, field superintendent, Hanford; F Brader, Hanford, N Weisbaum, Hanford, L S Chittenden, Hanford, W H Worswick, Jr, Hanford. Jas Manasse, secretary.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
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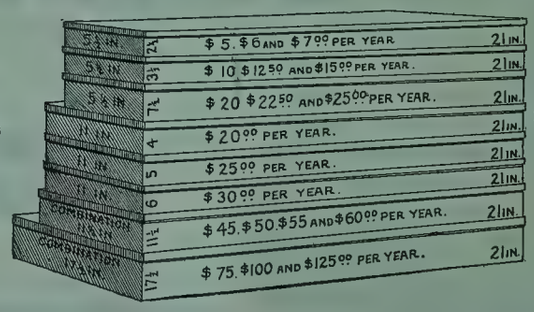

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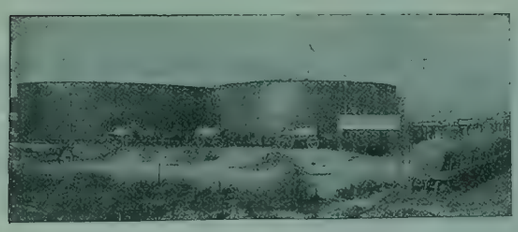

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VOLUME 2 NUMBER 49

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, OCTOBER 11, 1901

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Latest Kern County Maps Free

The PACIFIC OIL REPORTER has received from the publishers, Hall, Barlow & Austin, a large consignment of up-to-date, accurate, indexed maps of Kern County, Cal.

These maps show the location and holdings, wells, etc., of every company operating in the following districts:

Kern River Oil District
Sunset Oil District
Midway Oil District
McKittrick Oil District

These maps are published in pamphlet form and are properly indexed so that any one can find at a glance the location of any company desired.

We have purchased a large quantity of these maps and will present them free of charge to those who pay $2.50 in advance for one year's subscription to the PACIFIC OIL REPORTER.

The regular price of these maps is 50 cents each. They cost nothing to the subscribers of the PACIFIC OIL REPORTER.

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PACIFIC OIL REPORTER

318 PINE STREET, SAN FRANCISCO

Struck Oil South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

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PACIFIC OIL REPORTER

VOL. 2. NO. 49. SAN FRANCISCO, CAL., FRIDAY, OCTOBER 11, 1901. PRICE, TEN CENTS

HERRON PRIZE EXHIBIT.

Drilling Outfit Wins Gold Medal at State Fair at Sacramento.

The center of attraction at the State Fair was the oil well supply exhibit of R. H. Herron & Co. of this city and Los Angeles. In accordance with his usual energy and enterprise, Mr. Herron put on exhibition a complete drilling plant, including a seventy-four foot derrick, 20x20 base, with engine, cable, and set of tools. Oil was used as fuel under the boilers, and operations were carried on as they are in the field. The location chosen was what is called the southeast annex of the pavilion, this building being put up in the shape of a Latin cross, and the derrick was set up in the angle between two of the arms. A 12-inch hole was started, which was reduced to 10-inch and cased with drive-pipe. The well was put down about 200 feet and developed a good supply of water, which rose within six feet of the top of the casing. The formations encountered were sand, clay and mud. The purpose in drilling the well was to give a practical illustration to the people of Northern California of the process of boring for oil. Mr. Herron gave the matter his personal superintendence, and drilling was carried on a few hours in the morning, from two to five in the afternoon, and from seven to ten in the evening. Besides the rig there was a complete display of well drilling tools, the value of the entire exhibit being about $7,000. Elaborate exercises attended the christening of the well on the 4th inst. The Board of Directors, headed by a band, marched to the site of the well, and Director Grove L. Johnson had been selected to express to Mr. Herron the appreciation by the board of his splendid exhibit and the enterprise which prompted it, and performed that duty in his usual felicitous manner. He said that Mr. Herron had bored thirty wells in this state that are now producing oil, and that he had established this complete plant at the State Fair in order to give the people of this part of the State an opportunity to see the whole process for themselves. He did not know what he would find in this well, but whether it was oil or anything else he proposed to turn it over to the State Board of Agriculture. He thanked Mr. Herron on behalf of the board and and the people of the State for his public spirit and enterprise in setting up this costly exhibit. He then formally christened the well as the "State Fair Oil Well No. 1," and a large banner bearing the name was at once stretched across the timbers.

Mr. Herron responded briefly and thanked Mr. Johnson and the other members of the board for their words of appreciation, but said that he was better at work than speech-making. He then had the machinery started, the well-boring proceeded and was watched by a thoroughly interested crowd. The exhibit was the center of attraction at the Fair, and received the award of a gold medal.

The Leading Attraction of the State Fair at Sacramento. Exhibit of R. H. Herron & Company of San Francisco and Los Angeles, Showing Complete Drilling Outfit in Operation. This Exhibit Received a Gold Medal.

Strike in Sunset.

The latest strike in the Sunset district is reported by the Californian on the Queen Oil company's territory on section 13, just north of the Jewett & Blodget camp. The drill went into oil at 639 feet, the water having been previously shut off. The sand is verp rich and the drill will be sent through it and to the second strata before stopping.

The site for the new Sunset City on section 13 also, and the grading for the road is completed to the terminus. The track layers are within three and a half miles of the town site and thus the early completion of the road is assured. The effect of the incoming of the road is already apparent in the district. There is an awakening all along the line and as soon as connections are made and lumber easily obtainable by rail it is predicted there will be a building boom in the new city. Plans have already been made for a number of structures to be erected as soon as material can be had.

Sunset Grading Done.

After several months of anxious waiting on the part of the producers of the Sunset district the news has now come in that grading of the Sunset railroad has been completed to the town of Sunset and the laying of the rails which has been delayed on account of the lack of ties will be resumed the first of next week. The road will be completed and trains will begin making regular runs to the town at an early date.

The Illinois will soon erect its rig for well No. 2 and begin sinking its second hole. No. 1 is being perforated this week.

WORK IN SUNSET.

How the Completion of the Railroad Is Affecting Development.

The work of construction of the Sunset railway is fast drawing to an end, writes a Herald correspondent. The grade has been completed to the townsite, and the graders broke camp this morning to remove to Los Angeles for the purpose of beginning work on the Pasadena short line. The telegraph line has been sprung to the end of the grade, but telegraphic communication will probably not be established until the track has been laid. This has been accomplished to a point four miles from the postoffice, but the work has been delayed for some time for lack of ties. Nevertheless, the actual date of opening for operation will not be delayed thereby, as the construction force is now completing fills and doing the ballasting necessary before the road could be operated.

Jewett & Blodgett are running their refinery to its full capacity and are loading the product on cars at the temporary end of the track. By the simple means of providing two large, boiler-shaped cooling tanks the capacity of their refinery has been practically doubled.

The work of cleaning the townsite and establishing lines and boundaries has been in progress during the past week. The townsite is situated on the lease of the Queen Oil company, on section 13. J. N. Prather of the Queen company, who has charge of the work, expresses himself as in favor of calling the new town Sunset City, but this has not been definitely settled. The postoffice is called Pioneer, because the postoffice department objected to the names proposed—Sunset and Hazleton—the latter the official designation of Jewett & Blodgett's camp and Refinery.

Development work has received a decided impetus within the past month, and the probabilities are that the end of October will find in operation the majority of the rigs on which work is now suspended, as well as the commencement of a great deal of new work.

The California Fortune, on 34, 12-24, which has a fine showing in its No. 1 well and has nearly finished No. 2, steamed up today for the purpose of drilling through the sand on No. 2. It was supposed when work was suspended that the sand in this well had been penetrated and the casing landed in the shale, but it has since developed that such was not the case. Work will be begun on No. 3 as soon as No. 2 is finished.

The Majestic and Geyser, on 31 and 32, respectively, of 22-24, have been partially abandoned. The Majestic rig has been removed and the casing has been pulled from the Geyser. These two holes, nearly side by side, were drilled at the same time by virtually the same parties, to a depth of about a thousand feet, in unproved territory. It seems hardly possible, in the face of these developments, that there is not oil in this part of the field, but at a considerable depth. These leases are about in line with the Stratton well, which unexpectedly began to flow after the drilling had been suspended in discouragement at a depth of a thousand feet. The distance between these leases is about a half-mile, while the Stratton is an equal distance from the California Fortune lease, where the sand is encountered at between 500 and 600 feet—thus proving a great dip to the northeast.

The Majestic rig is now in use on the Tremont lease, 2, 11-24, where good progress is being made in No. 2, a short distance from their phenomenally good first well.

The casing is being pulled from the Sunset O. K. hole, on fractional 26, 12-24, with the object in view of removing this rig, also, to the Tremont lease. There are two of the companies under the management of the Arcola officials, who represent so much Boston capital in these fields.

Well No. 2 of the Colorado and California Fuel Oil company, on 35, 12-24, is flowing a considerable quantity of oil from the first sand, at a depth of 600 feet. It is unusual for the first sand to prove so prolific. The second sand, which in the case of this company's first well was encountered at 700 feet, is the only one counted upon for large production.

It is announced that the Iroquois, formerly the Golden Gate company, will resume operations within a day or two on 34, 12-24. This is one of the oldest companies in the field and has passed through numerous hardships. Like many of the other companies, it was unfortunate in the choice of sites for its first wells, and did not strike the oil in paying quantities until it put down the well on the northwest quarter of 34.

The American Girl, on 7, 11-23, is well into the sand, and the oil rose to within seventy-five feet of the top of the casing yesterday. This is the first strike to be made so far out on the flat.

The rig of the Petroleum Basin Oil company, on 25, 12-24, is being removed to section 2, 11-24.

W. P. Cunningham, who has purchased the property on which is situated "Old 17," the famous well that first attracted public attention to the Sunset field, will shortly have this well finished and perforated, and will begin drilling a second well near it on the same section—18, 11-23.

CALIFORNIA OIL INDUSTRY.

As Seen From An Investor's Point of View in the "Petroleum Review."

From the commencement of their history the California oil fields have attracted the attention of the investing public both at home and abroad. At first there appeared to be an unreasoning rush to buy oil land or stock at any price, but, so far as the large investors were concerned, there appeared to be "method in their madness," for they anticipated that oil would be a successful competitor with coal.

The Pacific Coast is practically dependent upon other parts of the world for coal. That there is not enough coal here to supply the demand, even at a high price, is not so serious as is the fact that there are immense iron, copper, and other mining properties lying undeveloped.

It is becoming evident that the large and practically inexhaustible supply of fuel oil will lower the price of coal, so that it will be available for smelting purposes.

It may be well to remark here, that it has been demonstrated very recently that an excellent coke can be obtained by cooking briquettes, made of a mixture of pulverized soft California coal and crude (asphalt) petroleum.

This artificial coke is said to be well adapted for smelting in iron and copper ores.

The operation of smelters, however, is only the beginning of the benefits. Fuel oil will be the means of building up a general manufacturing industry in the west, for nothing so conduces to the success of manufacturing industries as cheap fuel, excepting, of course, a good market. With our new acquisitions in the Pacific, a growing commerce all over the world, ever-increasing home consumption, and with sufficient coal for coke for our furnaces, we surely will be rewarded handsomely for our investments in either the mining, oil or manufacturing industries. The manufacturing industry will be of comparatively slow growth; the mining industry will pick up more quickly; in fact, it is already feeling the new blood coursing through its veins, but the oil industry is an established success.

However, there are two sides to every question. No one realizes this better than the producer himself. To make a long story short, the Standard Oil company and the railroads saw, more quickly than some others, a golden opportunity. Freight rates on oil were placed exorbitantly high and the price of oil went down. Today the price of oil and oil stock is at the very bottom. In fact, below the bottom, for many oil companies have been forced to the wall, their stock selling for one cent or less a share, when only a few months ago it sold for one dollar a share. The Standard Oil company is grasping its opportunity by making contracts with producers to buy a certain number of barrels of oil per month at a certain price for a term of years. The principal thing "doing" in the oil industry today is the making of contracts for the future sale of oil. The Standard Oil company is not making as many contracts as is generally supposed, however, and higher price must be paid before many more contracts are consummated

The general public has ceased buying stock—it is pessimistic. There are, indeed, a few capitalists who are quietly beginning to buy up good, low-priced stock, but they are going about it carefully and methodically by making all proper investigation as to the reliability of the company as well as to the plan for disposing of the oil. The Standard Oil company will certainly do all it can to create a demand for oil and to raise the price, because it must sell the oil it has contracted to buy. Those who are fortunate enough to have oil to sell can then sell it at the high market price maintained by the Standard Oil company, or they can sell to the Standard Oil company itself. In order to win more certain success, the oil producers are seriously talking of building several pipe lines, so that they can deliver oil independently of the railroads. That there will be oil enough and profit enough for both the Standard Oil company and the independent producers is becoming evident, and the quiet purchase of large blocks of stock by capitalists is one of the best evidences that this is the case.

Before closing, permit a few words of advice to foreign investors. All stock is not alike. Many foreign and not a few American investors have been bitten by "wild cat" oil companies, and the foreign investor seems to be the easiest victim. It has often been so in gold and silver mining as well. Just why a London or Berlin capitalist should invest in a gold, silver or oil property with only the information furnished by the seller, I cannot understand. The investor should not accept the report of any mining engineer or "expert" recommended by, or connected with, the sellers.

There are reports signed by the highest authorities which, though true, are misleading, owing to the omission of certain detrimental facts. The men who wrote the reports expected the purchasers to ascertain the bad features for

themselves by employing an engineer of their own selection. There are, in many cases, competent mining engineers, located at the very door of the property to be examined, who are familiar with all the surrounding circumstances, and especially the geology of the district, who could very easily furnish valuable information to the foreign investor. It takes years to become familiar with the geology and history of the various mining districts in a large mining country like the United States, and for a foreign engineer to make a flying trip and do justice to the case is impossible. Pardon the above plea for the American mining engineer. My excuse for writing thus is because I know that, in many cases, foreign investors realize that the purchases they are contemplating will not justify the time and expense of sending a man over the sea to report; but these investors could, for a very moderate outlay, secure a strictly unbiased report by an American engineer living in the district where the property concerned is situated. Perhaps, in a majority of cases, as much or more depends upon surrounding circumstances, transportation, competition, history of like ventures, etc, than upon the property itself. These things the American engineer has learned by years of experience and association.

SUNSET WATER CO.

Legal Complications over Board of Directors.

The question as to the legal personnel of the board of directors of the Sunset Water company is to be decided in court, this decision having been reached in the Superior Court during the hearing of the case of the Sunset Water company against the Occidental Water company, H. W. Klipstein and F. M. Graham, to quiet title to certain lands and water rights and for $5000 damages.

The Californian states that at the time the suit was brought a motion was filed by Klipstein praying that the case be set aside, as the Sunset Water company was not desirous of testing the question at issue. It is alleged that the legal board of directors of the plaintiff company are H. W. Klipstein, J. T. Basye, R. B. Swayne, A. J. Webster and H. A. Blodget.

On the resolution adopted at a meeting of H. A. Blodget, A. J. Webster, claiming to be secretary, and Solomon Jewett, claiming also to be the legal board, the suit was filed.

The case rests on the fact as to whether Basye or Jewett is the bona fide director. R. B. Swayne alleges that he is the secretary of the company and that Webster's action in filing the complaint as such was not legal. It is further alleged that the three parties as plaintiffs to the suit as directors constitute an usurping board of directors of the plaintiff company. The case cannot come up on its merits until the question of which board is the legal one and has power to act for the company.

OPPOSE RAILROAD.

Sunset Operators Prefer Constructing a Pipe Line.

There seems to be some opposition advanced by one of the leading companies of the Sunset district toward the proposition of extending the Sunset railroad into the principal producing sections of the district and it is feared by many that the opposition coming from the source that it does will have a decided effect upon the consummation of the plans being discussed. Notwithstanding the apparent selfishness of the influential company leading the opposition, the Californian believes that it will be but a question of time when the railroad will be extended.

In case the opposing element is strong enough to postpone the construction, a movement, which is already being talked of, will be set in action to lay a joint pipe line from the neighborhood of 2, 11-24 to Sunset City, where loading racks will be installed. Although the railroad to the town site will greatly facilitate development work in the entire district the getting of the product of the wells located several miles from the terminus to market will be a knotty problem unless the railroad officials see fit to have their line extended despite any opposition that might arise.

Oil on Butte Roads.

The Chico Record says that Supervisor Reynolds will make a test of oil on roads in that vicinity. He is making arrangements to treat several miles of the roads most traveled in his district as soon as the rains cease. The thoroughfares to be selected will be portions of the Shasta road north of Sandy Gulch and the Oroville road north of Butte creek, both being north and south roads where the winds have a clear sweep and where the discomfort of dust is most pronounced. Mr. Reynolds has information to the effect that a carload of oil containing 144 barrels is sufficient to sprinkle one mile of road. The cost of the oil and sprinkling will be about $150.

FROM THE SAME WELL.

Water and Oil Both Pumped from One Hole.

Balena No. 1, which was completed into a water well several months ago, has proved to be a fresh producer and is now furnishing about 500 barrels of water and several barrels of oil daily, according to the Californian. When the hole was drilled the upper strata of oil sand was penetrated but not being rich enough to warrant the completing of the well, the drill was forced down toward the lower strata. After drilling to a good depth, however, the water sand was encountered and as there was a great demand for that commodity up in the northwest the company decided to land the casing in the water sand and to turn the hole into a water well. This was done and for months was one of the few sources from which water was obtained in that part of the field. A few days ago the oil from the upper oil sands began to percolate through into the casing, which was perforated. The manager of the company then lowered a second string of tubing into the hole and into the oil, which naturally remained on top of the water and is now pumping both water and oil from the same hole through separate tubes.

The Danger of Oil Carrying Vessels.

An exchange remarks that since the schooner "Louise Adelaide" was blown up in the harbor of Stockholm, causing the death of the captain and almost the entire crew, it is a hard matter to ship sailors on vessels loaded with naphtha. Shipping agents consider it quite likely that many oil carrying vessels may be detained on account of the difficulty of obtaining crews. The list of American craft now under charter as oil carriers includes 17 steamships, 6 sailing vessels, and 12 barks. The first named have regular crews, shipped for a year or some other fixed period, but in case of a sailing ship it is different, and it is in connection with these that the trouble arises. If a bark or ship formerly engaged in the general carrying trade is chartered to load a cargo of oil, her crew being free on landing cannot be induced to stop when so many other ships are available on which a berth can be secured. The possible danger to which these oil carrying vessels are exposed has lately been sadly illustrated once more in the fate of the Johnston ship. Although the doing away altogether with barreled oil shipments would not at present be desirable or practicable, yet with continued opposition the only solution of the difficulty seems to present itself in the shape of tank steamers.

An Important Strike.

The Oil Land company's No. 1, on section 11, 29-21, has passed through the first sand about five feet in thickness, and is now in the second clay about thirty-five feet. The well is 1000 feet deep. This company's land is situated on the plain about three miles from any other discovery. If a good well is struck it will open up a large holding. This is the well of the Diamond Oil company which was abandoned at 800 feet. If a good strike is made, Diamond stock will be worth something.

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FRIDAY, OCTOBER 11, 1901.

The New Kern Association

Mysterious and past finding out are the ways of the Associated Oil company. This corporation, which filed its articles on Saturday last, is capitalized at $40,000,000—40,000,000 shares at $1.00.

It claims to comprise the thirty leading companies of the Kern and McKittrick fields such as the Canfield Oil company, Black Jack, Wolverine, Alma, Henrietta, Olema, Alma, Jr., Alpha, Senator, Chicago Crude, Central Point, Toltec, Redbank, Green and Whittier, Colossal, Reed Crude Oil, Linda Vista, Sterling, Sovereign, California Standard, Giant, San Joaquin, Monte Cristo Oil, Shamrock, Claremont, Piedmont, and all of the Canfield oil companies in the McKittrick district.

Men who are prominently connected with the oil industry in California constitute the first board of directors. Their names, residences and shares of stock of the Associated Oil company for which they have subscribed are as follows:

C. A. Canfield, Los Angeles, 10 shares; W. A. Jacobs, San Francisco, 10; B. F. Brooks, Bakersfield 10; Burton E. Green, Los Angeles, 10; W. G. Kerckhoff, Los Angeles, 10; H. H. Blood, San Francisco, 10; M. J. Laymance, Oakland, 10; W. S. Porter, Los Angeles, 100; W. F. Chandler, Fresno, 10; O. Scribner, Oakland, 10; Henry Ach, San Francisco, 10.

The object of the company originally was to stop the foolish competition then and now existing in the Kern county oil fields, and thus to rai e the price of oil.

The main organizer of the company is W. S. Porter, of Los Angeles, who, if the company is successfully formed, expects to clean up a goodly fortune.

At present Mr. Porter is as dumb as an oyster. He "don't know nothing," not even what the companies are which, by their representatives, have expressed a readiness to join the combination. He won't say what the intentions of the companies are or what they propose to do.

The main plan seems to be that the thirty companies whose representatives have approved of the plan of organization of the Associated Oil company will, after their stockholders have registered their approval, go out of existence, and to their present stockholders stock, bonds and money will be issued in payment for their properties. The basis of the payments to be made has been agreed upon by the appraisement committees who were appointed to take up and consider that very essential part of the work.

The promoters, of whom W. S. Porter has been the most prominent, have the assurance of the representatives of the companies that their stockholders are likely to take favorable action and ratify what has been done. Payments will be made for the existing properties in accordance with the reports of the experts who were sent to the Kern and McKittrick fields some months ago. The capital of $40,000,000 of the Associated Oil company, the issue of which is authorized by the articles of incorporation, will pay for all assets of companies and leave a margin. The articles of incorporation provide for a tank line from Bakersfield to tidewater, for the erection of storage tanks at different points with a capacity of hundreds of thousands of barrels, the construction of vessels for ocean and inland service.

Power is given to purchase any and all oil wells; to construct and maintain telephone lines; to buy and sell water; to make tubular and other forms of steel, iron and wooden ware; to erect power houses and to furnish power; to patent rights to secret processes for the refining of the crude oil or other manipulations of oil and its products; to issue stocks and bonds; practically to do anything except to build and operate railroads. The operations of the corporation are not confined by the articles of corporation to the State of California or to the United States, but may extend to foreign countries. Drilling for oil and exploring for all sorts of materials connected with the oil industry, such as bitumen, natural gas and asphaltum, are some of the important purposes.

There is a great diversity of opinion among oil men as to the wisdom of joining such an association. The Peerless company has not joined it yet, and those who know the mind of the managers say it will not join it.

Mr. Kroeger says the Kern River Oil company will not join it, as it does not believe in being swallowed up by a bigger corporation. This company has 160 acres of as good oil land as can be found in Kern River district. The Four Oil company and the Apollo Oil company each with twenty acres of oil land also refuse to be swallowed up.

And there are others.

Beside these producing companies there are at least twenty-five companies now drilling which expect very shortly to be in oil sand, and will be prepared to join the association or stay out just as it pleases them.

Henry Ach says the proposition of the Standard Oil company to construct a pipe line from Bakersfield to tide water has no concern for the men who compose the Associated Oil company. The purpose of the new corporation is to handle the product of the fields and a pipe line is considered by the promoters to be essential to success in that direction. Whether the line would run to Stockton or to some other place is a matter of detail to be considered when the time comes.

If the company builds a pipe line to the bay, constructs tanks, builds a fleet of tank steamers, etc., it will become a competitor of the Standard Oil, and will have to sell its oil to consumers cheaper than can the Standard.

This does not indicate an increase of price to the producer.

It cannot make the improvements suggested unless it can negotiate the sale of a vast amount of bonds—$10,000,000, at the very least, and this will be difficult to do, as few concerns would want to buy the bonds of a corporation that proposed to enter the lists against the Standard Oil.

The promoters aver, however, that money is ready to take up the bonds as soon as offered.

How the proposed association would effect the sale of stock is another question to be considered. Most of the large companies are listed with the Producers' Oil Exchange. The slackness in the oil stock market has occasioned a falling off in prices, and the question is asked, "If a company is swallowed up in the new association will its stock go up or down?"

One or two brokers say it will go up, the rest shake their heads and look wise.

The matter of adjusting appraisements is one of greatest difficulty.

One company owns eighty acres of land worth $2,500 an acre. Another leases eighty acres of equally good land on one-eighth royalty. Why should the former be entitled to more of a rake-down than the latter?

One company has expended $50,000 in sinking wells, and has not as many wells as its neighbor which has expended $25,000.

One company has a contract to dispose of a large quantity of oil at a good price for a series of years. Its neighbor has no contract and the association must market its oil.

Kern is not the only county in the state that produces petroleum.

The Coalinga field never had such a prospect as it has now with its new wells opening up almost daily.

What about the new Santa Barbara field?

Suppose a big well is struck in Colusa, or Glenn, or Napa, or San Benito, or Contra Costa?

Will not these fields be the competitors of Kern fields?

Can a combination of oil companies in Kern county prevent competition from other fields?

We do not want to pour cold water down the back of any legitimate oil enterprise, especially one which has for its object the betterment of the oil industry of the state. But we dislike to see any friend of ours, who apparently doesn't know how to manage his pair of sober farm nags, undertake the job of driving an eight-horse team of fiery thoroughbreds, especially when they are not well broken.

We should also very much dislike to see good people spend a lot of money in an enterprise that proved a financial failure.

We should like to see the price of stock go up, and if the Associated Oil companies' scheme goes through we hope prices will advance; but if they should happen to go down we do not want a lot of disgusted stockholders shaking their fists at us and howling, "Why didn't you give us warning?"

There is one feature of the enterprise, however, which should not be overlooked, which is that it has the backing and encouragement of most of the leading men in the Kern River field. Chanslor & Canfield, Jacobs, Bunting, Blood, Ach—such men as these have experience and business sense. Their reputation for honesty is unquestioned. They do not intend to financially injure themselves, neither do they intend to see the stockholders in their companies injured. They could not afford to further a scheme they thought would fail. That is the most encouraging feature in it. It is claimed they are the originators of it, that they have examined all its details, and are satisfied with the outlook.

If this is so it is the best argument that could be advanced in favor of the new association. If it is not so—if these gentlemen have not given the matter their careful personal examination they should at once state so openly and fearlessly, and not allow themselves and others to be drawn like flies into a web.

The great Riverside works of the National Tube Company at Wheeling and Benwood, W. Va., makers of oil well casing and tubing, employing 4000 men, according to information of representatives of the company, has resumed operations.

Concerning Kerr's Reports

The Mining and Engineering Review which publishes also a little pseudo-department on oil matters, stultified itself in an attack on Kerr's Reports Company in a recent issue. The dignified silence of the company attacked can not but be commended. The Review's discreditable statements in regard to that company need not be quoted and it is not necessary to assume any body else's quarrels, but when it tries to make out that the said company is incompetent and unworthy of this would-be oil editor's regard, he should be told that the record is wholly against him. In his issue of July 20th, page 14, he says in his news columns:

"Hereafter reliable reports on companies operating in any of the oil districts of the State may be obtained from Kerr's Reports. They are prepared to give accurate and reliable information concerning the financial standing, integrity, legality, progress and production of oil companies. These reports will be thorough and will be the result of careful and painstaking investigation by a firm in high standing in the commercial world."

He has frequently solicited their advertisement and not later than the week in which his editorial dido appeared, sought the advertising favors of the company he tried to discredit. On August 24th, the same editor said editorially:

"We have received many inquiries in regard to Kerr's Reports, an Oil Rating Agency of this city. We know the men, their methods, and believe it to be a competent, unbiased and worthy corporation. We learn that they are receiving the support of the legitimate oil interests. They have field reporters, credit examiners and connection with the public and abstract offices in the different oil fields. They are the only Oil Mercantile Reporting Agency in existence."

Only one conclusion can be drawn from these editorial statements that appeared in the Review: He either did not know anything about the company he so highly commended, was incompetent to judge, or it was an advertisement which shows that his editorial columns are purchasable.

He seemed to think so highly of their competency that he solicited communications from them and there is an article on "Corporate Law," written by one member of the firm that appeared August 3rd, on pages 12 and 13. The editor of the Review has admitted that he crowded out considerable of his other matter to make room for it in that issue. Further consultation of the files shows that he has run a column advertisement for more than a month up to within a recent date, and as before stated, only last week was soliciting further patronage from Kerr's Reports. Readers can draw their own inference from these facts.

The animus which has inspired the attack is understood and it discredits himself far more than the company he endeavored to hold up to public ridicule. It seems that common editorial decency should have impelled the editor that while he was soliciting their patronage he should have come out of his editorial ambush and asked an explanation of the firm whose money was helping him pay his paper bills.

If any criticism could be offered it would be that if there is any discredit that might lie in the matter against Kerr's Reports, it would be that they should not have learned sooner the real commercial and moral significance of the parties who made the attack.

Opposition to Gasoline.

A contemporary says that a general attack on the storage and handling of gasoline is in progress in the United States. The latest to join the opposition are the Chicago insurance underwriters in supporting the imposition of special regulations, on the plea that gasoline caused a large percentage of fires during the last ten years. The agitation is mostly due to misinformed alarmists, there being very little danger from gasoline when properly handled. There are always enemies of the petroleum industry throwing up a lot of dust in some quarter or other.

THE NEW OIL FIELD.

Prominent California Oil Men Visit the New Gusher in Santa Barbara County.

Last week a party of prominent California oil men visited the new oil field in Santa Barbara county.

In the party were Henry J. Crocker, the capitalist and president of the Graciosa Oil Company, which has 7,500 acres adjoining the flowing oil well of the Western Union Oil Company; C. A. Canfield, of Chanslor & Canfield, the most successful operators in California; W. A. Jacobs, who has promoted over half a dozen successful oil companies in the Kern River district and who is the coast representative of the Germania Life Insurance Company; Dr. C. T. Deane, Secretary of the California Petroleum Miners' Association, and who is interested in a number of oil enterprises in different sections; George Cameron, the representative of William H. Crocker, of the Crocker-Woolworth bank; and J. A. Fairchild, the asphaltum contractor of the Crocker building.

The party took the train for Casmalia, on the coast line of the S. P. Company, and reaching there early in the morning a pleasant ride took them to the fields.

Much of the day was passed in a careful examination of the territory with a view to oil indications.

Mr. Canfield, than whom no one in the state is a better oil expert, was emphatic in pronouncing the indications favorable for the existence of a vast body of oil.

Mr. Jacobs and Dr. Deane, who are also familiar with oil indications, were equally impressed with the oil outlook.

The accompanying photograph shows the group of visitors with the exception of Mr. Cameron who did the shooting, assembled on the top of the tank into which is pouring the oil from well No. 3 of the Western Union Oil Company. Supt. Fred Harkness is with them.

This well is a gusher. The top of the tank is thirty-five feet above the top of the casing of the well, and the natural gas pressure forces the oil through a three-inch pipe to the top of the tank.

The oil flows somewhat intermittently as the gas pressure varies; when the well was visited by the party in question it was flowing at the rate of 250 barrels a day. The stream of oil can be seen pouring from the pipe into the top of the tank.

It is of 24 degrees gravity, and flows much more easily than oil from the Kern River district.

The ocean landing is about eight miles distant, and there is a fall of over 600 feet between the well and tidewater. A pipe line will be built at once.

Gushing Oil Well No. 3 of the Western Union Oil Company in Santa Barbara County. The group consists of J. A. Fairchild, C. A. Canfield, Henry J. Crocker, W. A. Jacobs, Dr. C. T. Deane and Fred Harkness.

The 7500 acres controlled by Mr. Crocker adjoins the property of the Western Union. Mr. Crocker's company, the Graciosa, began drilling this week, and expects to reach the oil sand at about the same depth as that found in the Western Union well, viz: 1650 feet. The drilling is not hard, and from 20 to 40 feet a day can be made by experienced men who have the tools and casing ready.

Already the tide of oil seekers is turning to the new field, and Mr. Crocker is besieged by those who desire to obtain leases.

It is needless to add that only the most desirable and responsible parties will be allowed on the ranch, and no companies will be permitted to obtain leases who cannot give good assurance they intend and are able to develop the territory at once.

The Yankee Girl.

This company will shortly commence work on its recent holdings in the Kern field in 8, 29-28, where it is certain to strike oil at a depth of 800 feet.

The office is in the Parrott building in this city, and the officers are well known and responsible business men.

The company owns 732 acres of deeded land in Kern River, Sunset, McKittrick, Los Angeles and San Benito districts.

The stock has been on market about two months and is selling well and meeting with favor.

In the east the stock is regarded with increasing favor as it is sure to prove a good dividend payer.

Accidentally Found It.

There were wild rumors afloat last week about a strike of oil by the Giant Company on the Topo ranch in San Benito county.

This well was abandoned four months ago at a depth of 1250 feet with no oil.

A few days ago a bottle was let down into the hole, and when pulled up it was found to contain a mixture of oil and water.

There are several feet of oil on top of the water which fills the hole up to within 135 feet from the top.

The Man Who Acts.

The man who acts, is the man who thinks; these are the letters from the alphabet of life by which "Success" is spelled. The development of California's wonderfully diversified mineral wealth which is at present marking the pages of this decade with its remarkable growth and transition has attracted the attention of the world. A visit to the oil fields of Kern county and especially to the Kern River district which at present is in an embryonic state, would cause the most superficial to realize that within those barren hills, devoid of vegetation, there will be more wealth produced, when the immense lakes of oil are thoroughly tapped, than was ever yielded by the gold-bearing lodes of the Comstock. A spirit of active operation pervades this field, which is enabling the boundaries of the subterranean lakes of oil to be defined. In section 19, 28-28, where oil sands of remarkable thickness have been encountered, development work is being energetically pushed.

Among the various companies operating in this section are the Henrietta, Minnehaha, Sinnamahonig and the Standard Consolidated Oil and Land Company. It is the intention of the latter company to complete three wells on section 19 during the next six months. The Standard Consolidated is well known for its effectual methods and it would seem that stock in this company would be a very safe and profitable investment especially when the same can be purchased at present for 20 cents per share.

KERN RIVER COMBINE.

Herald Thinks Deal Will Go Through.

Information now available indicates that the large combination of Kern river oil companies is about to be consummated, and that the question of entering the combine will be submitted to the stockholders of the various large companies operating in that field within a week or ten days.

It is understood that the committee appointed to appraise the assets of the various companies has reached an agreement, and that so far as known the report is acceptable to the leading stockholders and officers of the large companies. So far as can be learned, there will be no defections from the list of companies which entered into the initial agreement, except in the cases of two or three companies which have since contracted all the oil they can produce for a series of years, and which have, consequently, nothing to gain by entering the combine, and will not be competitors in marketing oil.

While none of the companies can legally enter the combine, and will not attempt to do so, without submitting the question to the stockholders, in most cases there are a few men who hold so large a portion of the stock that their wishes will come very close to deciding the question, and so far as can be learned, there is a unanimous opinion among these large holders in favor of accepting the decision of the appraisers.

It is not considered probable that many of the smaller companies will enter the combine, though it is possible that the owners of some of the land leased to the small companies will take that into the combine, the royalties being payable to the combine. This objection to entering the combine prevails especially among the companies operating on leased land, it having been found very difficult to find a basis for adjusting affairs satisfactorily to both the large and these small companies.

It has at no time been considered probable that the combine would be perfected and ready for the transaction of business much before January 1, but it now looks as though everything might be arranged for the beginning of business on that date.

As has been published heretofore, it is the plan for the combine to acquire outright all the land and other property of the companies, issuing stock in the large company to be formed in payment for the stock of the companies to be absorbed.

The same reserved policy attaches to the movement for the consolidation of the various companies that has been notable from the beginning, and it is probable that a great deal more is being done than is stated above. That the men who are promoting the organization have definite plans for the marketing of the oil seems altogether probable, but what those plans are no outsider is informed.

The combine will control from 65 per cent upward of the output of the Kern river field, it is believed, while of the remainder a considerable proportion is contracted for a series of years, leaving but a small percentage outside of the combine free to enter into competition in the markets, and it is consequently believed that the combine will be able to control the price of oil up to a certain point.

What price will prevail remains to be seen, but it is generally believed to be the policy of the combine to place the price in the Kern river field at least as high as 50 cents. Should that price be established and a pipe line be laid to San Francisco bay, oil could probably be sold at San Francisco for about $1, or a little higher, and about the same figure would prevail in the Los Angeles market.

Cab Goes First.

An invention which may cause a remarkable change in the appearance of railroad locomotives using oil as fuel has recently been made by Wm. J. Thomas, the head machinist of the North Pacific Coast Railroad, and is now being experimented with on the line of that company. Thomas has made the innovation of placing the cab of the locomotive in front of the engine, just over the cow-catcher, and the smokestack, whose position it occupies, has been removed to the rear. The engineer is in this way enabled to get a full view of the railroad tracks by looking straight ahead, through a glass window in front af him, instead of, as formerly, leaning out of a side window. The tender of the engine still occupies its place behind, and the oil from it is brought by a system of pipes to the cab where it is used.

The new locomotive is said to have the advantages of increased speed and safety. As yet only one locomotive has been equipped with the new invention, but its trial trips have proved a complete success and it is possible that many others will be similarly arranged.

Strike in Wyoming.

According to a press despatch, on the land owned by the Wyoming Paraffine Oil company a gusher of petroleum was struck by P. L. Griffith who has been sinking a well for the owners. Griffith is an expert from the oil fields of California and he pronounces the strike the best and finest specimen of oil he has ever seen. The company was organized at Pocatello, Idaho, and is largely made up of people connected with the Oregon Short Line Railway. The find is on land adjacent to that in which Senators Kearns of Utah and Clark of Wyoming recently purchased. The flow is very strong and has caused much excitement.

Los Angeles Oil Market.

With much talk of the strengthening of the oil market, it is evident that there is a steady tendency in that direction, sales on yearly contracts having been made during the last few days which call for a better price than has been forthcoming of late, and it is now doubtful whether a contract of any large proportions could be closed for a year's supply at a less figure than 75 cents, delivered in the city, while the condition seems to warrant the hope very generally experienced, that 90 cents will be realized at an early date. The Herald considers that 80 cents is about the highest point that can be maintained, if oil is to be sold in the Kern River field for 20 cents, but from all accounts it would be difficult to buy oil in that field at the price mentioned, and the announcement that a pipe line is to be laid from that field is expected to still further strengthen the market, warranting a higher price in Los Angeles.

During the last six months it is believed that the amount of oil on storage in Los Angeles has decreased fully one-half, while the production of the local field has dropped about one-half from the output of a year ago, through cessation of development work. The natural growth of consumption in the city and the shrinkage in production has brought Los Angeles to the point where it is not producing enough oil to meet the home demand, and a fair market price seems to be the natural outgrowth of the condition at an early date.

A Forged Deed.

On January 2, 1901, a deed was filed in the Recorder's office of Kern County purporting to convey from R. J. Graf, John W. Pearson, Mrs. M. E. Pearson, A. Francis Hall, John F. Uhlhorn, Jackson Sanfley, Mrs. Jackson Sanfley and George W. Pearson of San Francisco 155 acres of land in sections 34 and 35, township 28 south, range 28 east, to the Kern River Oil Company. The deeds were acknowledged before Fred C. Moseback of San Francisco.

Mr. and Mrs. Sanfley, who reside in Alameda, have made affidavit that they did not sign the deed, and that their signatures to the instrument are forgeries. Suit was brought in the Superior Court of Kern County to cancel the deed on the ground of fraud. Mr. and Mrs. Sanfley bargained to sell their interest in the property and when the records were examined it was discovered that a deed conveying their interest had been recorded nearly a year ago. The land involved is very valuable, being situated in the heart of the Kern River oil district.

20c 20c

The "Reliable and Strictly Legitimate"

STANDARD ROCK OIL CO.

NON-ASSESSABLE

Invest while stock is low in price and before development is too far progressed.

No reliable company can guarantee your money, no matter where their land is located, but risk is certainly minimized on our proven oil lands. We are completely surrounded by

LARGE PRODUCERS

within 50 to 500 yards on all sides. Half a mile from S. P. R. R. station in McKittrick District.

We own 80 acres in Coalinga, near famous 1000-barrel Home Oil gusher, and 160 acres adjoining Calistoga oil well in Napa County.

Derrick and outhouses erected. As soon as price of oil warrants two wells will be pushed to a finish.

STANDARD ROCK OIL COMPANY

475-476 Parrott Building

855 Market St, San Francisco, Cal.

TELEPHONE, SOUTH 488

Proven oil lands in Napa and Coalinga for sale cheap.

PACIFIC COAST OIL NEWS.

Recent Developments in Oil in Various Parts of the State.

COLUSA.

The Gibson derrick is to be hurriedly put up under the direction of Mr. Butters.

The Williams Oil company's well is reported down nearly 1100 feet. According to this statement very rapid work has been done in this hole, completely throwing in the shade that done on the Smith & Gorrill lease on Sand Creek.

D. P. Hocking, secretary of the Grizzly Bear Oil company, was in Williams Tuesday making the necessary arrangements for the accommodation of the rig builders and drillers, who will soon begin operations on the company's lease in Bear valley. Mr. Hocking purchased lumber for a bunk house and let the contract for its delivery on the lands of the company in section 16, township 15 north, range 5 west. The rig, Mr. Hocking states has already been purchased and will be shipped to arrive at this place some time next week.

FRESNO.

Zenith No. 1 is down 500 feet. Everything is running smoothly.

The Mt. Hamilton company will soon have a neighbor in Alcalde.

The Caribou Oil company will erect two 1000-barrel tanks on their property.

No. 5 at 28 will be finished in a few days. Prospects of a good well promising.

Timber for five new rigs for the California Oil Fields (Lmtd.) is expected in shortly. The price of oil does not seem to hinder the developments made by this company.

The Double Eagle Oil company has leased twenty acres in section 6 and will begin operations on same at once. Well No. 1 will be put down about 650 feet west of the Mercantile Crude No. 2.

Commercial Petroleum No. 1 has reached a depth of 1050 feet with 5-inch casing in the hole. This casing will be pulled and an endeavor will be made to enlarge the hole and put the 7⅞ down to where the 5-inch casing is at present.

The Mercantile Crude company will go back to No. 1 and clean it out. They expect to shut out the water and finish up the hole as an oil well, and believe it will be fully as good as No. 2. This company will erect a 2000-barrel wooden tank on its property, work on the same commencing at once.

The Derrick announces the appearance of a new oil company in Coalinga. This is the Philadelphia and San Francisco company, backed by Eastern capital and with headquarters in Philadelphia. Mr. Julius Fried, the field superintendent, asserts that the company will begin operations at once. The company has leased, with the privilege of purchasing, a 20-acre strip on the south side of section 36. This is undoubtedly very good property, being but a short distance from the Mercantile Crude company's No. 2, which is said to be one of the best wells in the Coalinga district.

HUMBOLDT.

A big oil pump has reached Ferndale, consigned to Hoagland's Upper Mattole well.

Mr. Hoagland of the Baker and Hamilton well, is better pleased than ever with the prospect.

The work at the Union is being prosecuted vigorously under the superintendency of Mr. Burdick. Seepages occur now and then with the best of prospects for a good flow.

Mr. O'Neill, who was a driller on the Wild Goose this summer, writes that a company which he represents will commence boring here in ninety days, if a favorable lease can be secured. He has great faith in the future of Humboldt county.

The Wild Goose has stopped boring for the winter, but will resume in the spring and will also bore another well on or near the Buckeye. They will perforate the pipe in the well now bored to ascertain the amount of oil it will produce. Twenty barrels a day is predicted. Superintendent Johnston will commence the erection of a derrick for the company a short distance from the old well, in a few days.

Prof. Watts has left for San Francisco, where he will report to the company for which he has been investigating the oil fields of Southern Humboldt. Near the Union well on the land of Edmonston Bros., he sunk a shaft twenty-five feet deep to the bedrock, then drifted along this forty-five feet. While doing this, several small deposits of oil were struck and the gas was so strong at times that the men could work only a little while at a time. The object of this work was to find the dip of the rock.

KERN.

Bolena No. 2 was perforated last week.

The Minnehaha is soon to begin spudding in on its new well.

Hawkeye State in the local field has its two new rigs about completed.

The Western Mineral Oil company of Sunset is pulling its 11⅝ casing.

Chanslor & Canfield have several new strings of tools working in the McKittrick district.

The Golden Gate, Sunset, expects to resume drilling on Section 34, 12-24 this month.

The Pacific Tank company of Kern is erecting several small tanks for oil and water in the local district.

Alva No. 2 has reached the 800-foot level. The sands encountered in this well are identical with those of No. 1.

The Bald Eagle Consolidated is rapidly forcing the drill down and is meeting with success. The hole is 550 feet deep.

The York Syndicate has a fishing job in its 11 5-8 casing. The string of tools was lost in the casing a few days ago.

The Vanderlip is perforating its second well, section 25, 28-27. The well will be one of the heavy producers of the field.

The Arizona Western is about to put in an air compressor. The well lately began to flow and the oil ran over the casing for several days.

The Sunset Oil company has filed a suit against the Oriental Oil company to recover $76,938 for casing which it alleges it sold to the last named company. A. M. Cates is attorney for the plaintiff.

The Illinois Crude has perforated its casing. The hole is about 1170 feet deep, and according to Superintendent Wrenn has over 400 feet of oil sand. It will be a good producer.

Chanslor & Canfield are preparing their wells in Kern river to their fullest capacity. It has not yet been decided whether the company will sink new holes this fall, though it is probable that it will.

Articles of incorporation of the Societe Blge des Petroles de Kern were filed in Bakersfield. The incorporators are residents of France, and the document, a most voluminous one, is printed in French.

California Fortune No. 1 is flowing steadily and the company is now excavating a new pump hole for the product of the well. No. 2 is still capped, and No. 3 will be in the process of drilling within a short time.

McKittrick No. 3 is down 1320 feet with a strong showing of gas and oil. Superintendent Anderson has strong hopes of bringing in a good producer and if a strike is made it will extend the territory considerably.

The San Joaquin wells produced 342 carloads of oil during the month of September. The company is planning drill a series of new holes before the first of January in order to furnish enough to fill the contracts already made.

The Perseus is again drilling after a short lay off. It was feared that the 7⅝ casing had been shattered, but upon pulling it from the hole it was found to be in good condition and was again lowered into the hole, and the work is going merrily on.

That the W. S. Porter combine of the leading companies of Kern river is to be brought about successfully is believed to be a certainty. Many of the producers who are conversant on the subject positively assert that the companies will be signed up at any early date.

The Colorado and California Fuel Oil Company has entered the first sand in its second well and the oil is now flowing over the top of the casing. The property being located on section 35, 12-24, and not a great distance from the spouters of 2, 11-28, the company has hopes that the oil will flow in large quantities upon its completion.

The Shamrock, having holdings on section 19, 30-22, McKittrick field, is a very active camp, and much work is being done under its supervision. It has recently completed a pipe line of 5 5-8 inch pipe to the railroad, a distance of one mile and a half, and is now erecting several loading racks As soon as these are completed the company will begin shipping the product of its wells. Three 600 barrel storage tanks are about completed on the company's property.

The Peerless Oil company has decided to sink fourteen new wells instead of ten. The holes are expected to be completed within 100 days, and judging from the speed with which the derricks are being erected and the strings of tools set at work the company will succeed in doing so. Three strings of tools are now working and the rig for the fourth hole is being built. The management has placed the production of its full quota of wells, twenty-three in number, and is obtaining a good price for it. The Peerless holding is a scene of busy activity.

The work of building new tanks at Tank City in Kern river goes merrily on and it is said that before the first of January the Standard will have thirty 35,000 barrel tanks up and possibly filled with oil. The company is also planning to invade the Sunset field as soon as the railroad to that place is completed. Pipe lines are also to be laid in the district as speedily as the material can be placed on the ground and the syndicate is otherwise preparing to get possession of the product of the field.

The American Girl in the Sunset district is reported to have every indication of being one of the largest producers in the district. The oil sand was struck near the 830-foot level and was at first thought to be an insignificant strike but since the drill has been forced to a greater depth the sand has proven to be very rich and the oil now stands within 200 feet of the top of the casing. The American Girl is located on section 7, 11-23, about a quarter of a mile to the northeast of the Sunset, Diamond and extends the proven district from that camp. The incline in the strata between these two wells is about eighty feet.

SAN BENITO.

The Hollister Petroleum Development company has drilled 785 feet. Indications are good and seven and five-eighths casing is being put down.

The directors of the Watsonville Oil company have located a site for a new well on the Sargent ranch. The company, intends to push work as actively as possible.

Two carloads of lumber have arrived at Chittenden's consigned to the Watsonville Oil company. A new derrick will be constructed and the work of drilling a 2000 foot oil well will begin as soon as the preliminary arrangements are completed. The company is satisfied that there is oil on its tract and will bore until it is found in paying quantities.

SANTA CRUZ.

Colonel E. J. Beane has sub-leased 70 acres of land on the Sargent ranch from the Watsonville Oil company.

SANTA CLARA.

Miller & Hanks are getting down with the drill at the well of the Pajaro Valley Oil company, across the mountains in Santa Clara county, and the showing of oil is increasing with the depth of the well. The oil promise at this well is encouraging.

SANTA CRUZ.

Two carloads of lumber have arrived at Chittenden's consigned to the Watsonville Oil company. A new derrick will be constructed and the work of drilling a 200 foot well will begin as soon as the preliminary arrangements are completed. The company is satisfied that there is oil on its tract and will bore until it has found it in paying quantities.

STANISLAUS.

The Mt. Oso Oil company, operating near Grayson, are playing in bad luck. Boulder after boulder has been encountered and the well is down but 170 feet and on a boulder. It may be that the present well will be abandoned and a new start made.

SANTA BARBARA.

Indiana capitalists have organized a company for the purpose of testing the Santa Maria Valley for oil. A well will be started on the Morrison ranch adjoining the town, during October. The Western Union Oil company will also put down another well on the John Tunnell ranch, which the company has purchased.

The Times' resident correspondent writes from Santa Maria that vast quantities of oil are going to waste from well No. 3 of the Western Union Oil company. A pipe line is now in course of construction from the well to Blake Station on the Southern Pacific Coast line, where mammoth tanks are being erected, but in the meantime much of the overflow is running to waste.

VENTURA.

Montana Oil company, on the Akers place, is working on well No. 2.

Another sale of oil land is reported at a great price, adjoining these lands.

The Flagstaff is pulling the casing in its No. 1, in order to deepen the hole.

The California Consolidated Oil company, operating in the Big Sespe, has

cause to rejoice, having struck a twenty-five barrel well. Fred Ward of Fillmore is the contractor.

The oil interests are looking brighter in this locality than for many months past.

The sixty acres adjoining the Balcom property has been sold to Eastern capitalists.

Jack Wilson has the contract to put down three wells for O. A. Ivers on the Balder creek lease.

Having been successful in fishing out the two strings of tools, the Searchlight Oil company is again at work on its well.

The Bardsdale Canyon Oil company is having splendid success with its first well, with good signs for a flow of oil.

O. A. Ivers and Snyder are making preparations to develop oil on their property, having two rigs up and making grade for the third.

The Bardsdale Crude Oil company is building large storage tanks to hold its oil. Rig No. 7, just finished drilling, will be continued.

The company drilling on the Lennon place is now putting in its string at seven and five-eighths casing. The indications are good for a fine well.

The Ramona Oil company's wells are shut down for the present, but Mr. Jeffery is expecting orders to resume work at any time.

The Alger and Gilmore wells, on the Balcom place, have been somewhat delayed on account of the scarcity of water.

John Madison moved his drilling rig up to Adams canyon the fore part of this week, and is going to begin drilling for the Green Oil company at once. He just finished setting up two twelve-foot windmills for Supervisor Gabbert, on his Simi ranch. Mr. Madison will, at least for the present, devote his attention to the oil business.

KERN.

Sunset Coast is down 700 feet.

Good reports continue to come from the Queen Oil company in Sunset. The well now drilling has a good deposit of oil sand and a large pressure of gas.

The Baron is meeting with success in sinking its hole in Sunset. The casing has been lowered 1125 feet and is still being forced down at a rapid rate.

The bulk of the pipe line laid in the Kern River oil field belongs to the Standard Oil company, but it is estimated that there are about fifteen miles of private pipe line.

The Hawkeye State has purchased the Toltec Water well on 3, 30, 28-28. This was an old Coalinga company, which failed there, but has had better luck in the Kern county field.

The drill in the Jolly Joker, section 3, 23-23, is working at a depth of 650 feet and has penetrated nearly sixty feet of tar sand. The company is well pleased with the prospects for a good producing well.

The Western Union Telegraph company's wire to Sunset is completed. As soon as it is accepted by the Southern Pacific and Santa Fe railroad companies, connections will be made and an operator installed at the Sunset office.

LOS ANGELES.

The East Whittier Oil company is approaching 1300 feet on No. 2.

The Clarendon Heights company's No. 2 is down 800 feet.

The Whittier-Fillmore Oil company is down over 900 feet with the well being drilled on the Tubbs-Evans tract.

The North-Whittier Oil company is making slow but steady progress on No 2. The hole is now down nearly 1100 feet with the second string of drive pipe.

The Home Oil company has No. 13 down 800 feet and is now making progress after a period of underreaming. No. 10, which is being deepened, is down 1400 feet.

The Whittier Crude Oil is making fine progress on well No. 5. The hole is now down nearly 1200 feet and there is oil enough in evidence already to make a good well.

The contractor has completed the drilling of well No 5 for the Warner Oil company and as soon as the casing and a liner are put in the well will begin pumping. The hole is 1000 feet deep.

The Whittier Oil and Development company has its well in the East Whittier district down nearly 1100 feet and the drill is now hitting a promising formation. Considerable gas has been encountered within the last few days.

The El Moro Oil company has put down well No. 2 to a depth of 1000 feet without finding oil in paying quantities.

The Central Oil company is making good progress on the two wells, Nos. 31 and 33. The first is down 1200 feet and the second 1000.

The Babbitt Brothers, who are putting down a well for Warner & Collins in the La Habra Valley, have reached a depth of over 600 feet, and are now drilling in an ancient ocean bed. The sand pump is bringing up fragments of clam shells and other evidences of marine life that existed in the locality centuries ago.

The Palo Solo Oil company on the Harvey lease is meeting with unexpected difficulties in the form of water. The company put down a hole 800 feet with a standard rig and encountered no water whatever. In the second hole, however, only a few feet distant, the water is almost up to the top of the ground.

MARIN.

The Bolinas Bay is down 1840 feet with oil of 32 gravity. The drill is still in shale, only small quantities of sand having been found.

SAN MATEO.

The Bella Vista well is down 740 feet. The drill is in a black rock saturated with oil.

SAN BENITO.

The Chittenden well near Sargents struck the oil sand this week at a depth of 1036 feet, and a flow of 100 barrels is reported.

Reliable Standard Rock.

We are often asked why the Standard Rock does not proceed with development work? This question is easily answered. As long as the price of oil is so low as it is now, it would be unfair to the investors and stockholders in this good company to use their money in drilling a well, which when completed could not be made a dividend payer on account of the present low price of oil. Have patience and you will be rewarded in the end, as the management is honest and strives to benefit the stockholders by paying dividends. The landholdings of the Standard Rock Oil Company are unquestionably proven and the price of the stock is reasonable. As soon as the company has a well completed, which no doubt will be a large one, stock will rise. According to all we can gather from the fields the price of oil will be raised soon and thus give the producers a fair remuneration.

OIL RATE REDUCED.

Commissioners Decide on 37.8 Cents a Barrel.

The Railroad Commission has given a decision in favor of the oil men in the rate case. Inasmuch as the oil men themselves showed a good deal of indifference while the railroad company was active in bringing forward its evidence, the decision was somewhat in the nature of a surprise. The rate has been 1 cent a gallon or 42 cents a barrel, and the commissioners have fixed the new rate at 37.8 cents, a reduction of 4 2 cents. The rate fixed by the commissioners was based on the cost of transportation, which was figured at 33.6 cents a barrel, presumably the company's figures. An addition to this cost of 12½ per cent or 4.2 cents per barrel, makes 37.8 cents per barrel. This makes a reduction from 8.2 mills a ton to 7.2 mills a ton per mile. This decision goes into effect November 1, so if the railroad company should appeal to the courts it will have to be done immediately. It is estimated that with the same amount of oil as was hauled last year the profit to the railroad would be $180,000 at the reduced rate.

The decision, which is that of Commissioners Edson and Laumeister, Commissioner Blackstock dissenting, reads as follows:

The cause came on regularly for decision this 8th day of October, 1901, pursuant to adjournment, heretofore regularly taken, evidence, both oral and documentary, having been by all parties heretofore presented to and received by this Board of Railroad Commissioners, all parties being at all times duly presented at each and every hearing, and the cause having heretofore been regularly submitted and taken under advisement by the Board.

From the evidence taken the Board finds, based upon the figures presented by the defendent corporations, that the cost to the defendent corporations of transporting crude petroleum by their respective railroad lines from Bakersfield to San Francisco, a distance of 314 miles, is 33 6-10 cents a barrel, and that such cost is less from points on their respective lines north of Bakersfield to San Francisco.

This cost is calculated upon what, as applied to this particular haul and freight, this board believes to be for the defendant corporations a most liberal basis of estimate, but is nevertheless for the purposes of this case accepted by this Board.

The Board further finds that the charge by the defendant corporations to the shippers of such crude petroleum for transportation thereof from Bakersfield and all points in California north of Bakersfield and south of San Francisco to San Francisco is a uniform charge of 42 cents a barrel, and that the net profit on such transportation to the defendant corporations at 42 cents a barrel is 8.4 cents a barrel

The Board further finds that a reasonable profit for such transportation by the defendant corporations from Bakersfield and all points in California north of Bakersfield and south of San Francisco to San Francisco would be and is 4.2 cents a barrel, or 12½ per cent net profit a barrel, and that such profit, in view of the extent and volume of the business transporting crude petroleum, as presented by the evidence, is a reasonable, fair and just amount to be allowed to and charged by the defendant corporations, as such net profit, and that a rate of 37.8 cents a barrel for such transportation from Bakersfield and all points in California north of Bakersfield and south of San Francisco to San Francisco would be a reasonable, fair and just rate to be allowed to and to be charged by said defendant corporation for such transportation of crude petroleum.

It is, therefore, adjudged, ordered and decreed that 37 8-10 cents a barrel be and the same is hereby fixed, determined and established as the maximum rate to be charged by the defendant corporations, or each or any of them, for the transportation of crude petroleum from Bakersfield and all points in California where the present rate of 42 cents a barrel is now in force to San Francisco, and that the present and existing rate of 42 cents a barrel for such transportation be and the same is hereby reduced from 42 cents to 37 8-10 cents a barrel, such maximum rate of 37 8 10 cents a barrel to take effect and be charged on and after November 1, 1901.

It is further ordered that the decision of this Board on the question of charges for switching cars on spur and side track, as alleged in the complain therein, be and the same is hereby reserved and postponed until the next regular meeting of the Board, to wit, November 12, 1901, at the hour of 2 o'clock P. M. Dated San Francisco, October 8, 1901.

PROSPECTS IN SECTION 8.

Prosperous Outlook For the Illinois Oil Bond Company.

Reports from the Kern River field state that a granite dike runs from section 3, 29-28, to the Prosperity on section 6.

East of this formation no oil has been found. A quarternary formation is said to extend from the southeast quarter corner of 8 to 9, 27-28, which cuts off extension of the field in that direction. Another peculiarity is the uniform depth at which the oil sand is found throughout the field, although the dip is marked, thus indicating the existence of another sand on the west side of the field at a greater depth than most of the companies operating there have reached. There are two notable exceptions to this—one the Hart Crude, on 36, which is reported to have two good wells at over 1800 feet, with a strong gas pressure, and another is the Illinois Bond Oil company on 8, which is down 1395 feet and has a 200-barrel well. Many of the companies operating on 8 have been restricted by lack of capital and have been satisfied to drill small, shallow wells, but with this company such is not the case.

The company's well cost $11,000, including the cost of the rig, about $3,000, which will be used to put down other wells. The Illinois Bond holdings consist of twenty acres, being the W½ of SW¼ of the NE¼ of section 8 secured from the Grace Oil Co. The location is one of the best in the Kern River field, some of the best wells in the field being located in the surrounding territory. In point of shipping facilities it could not be better, as the spur of the railroad which is run to the field passes directly through the property. The company is organized under the law of Arizona, making the stock non-assessable. Besides the Kern River holdings the company has valuable property in Ventura county, where the Union Oil company has built up a $10,000,000 corporation. Prices in this district have been steadily maintained through the recent depression, owing to the demand for refining purposes, and producing oil properties here are the most valuable in the state. The company's holding are of such a character as to make it a very desirable investment.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, October 9.

AZTEC.

100 at	1 15	115 00

CALIFORNIA STANDARD.

100 at	24	264 00
100 at	25	25 00
500 at	22	110 00

CARIBOU.

100 at	75	75 00

EL DORADO.

100 at	50	50 00
100 at	40	40 00

GIANT.

500 at	31	155 00

HANFORD.

14 at	103 00	1442 00
5 at	104 00	520 00

HOME OIL.

375 at	3 35	1256 25
100(S30)at	3 35	335 00
300 at	3 40	1020 00
100(B90)at	3 45	345 00

INDEPENDENCE

2500 at	10	250 00

JUNCTION.

200 at	21	42 00

KERN RIVER.

20 at	7 00	140 00

KERN.

5 at	5 00	25 00

LION.

3200 at	08	256 00
2000(B90)at	09	180 00
1500(S60) at	08	120 00
3600 at	09	324 00

LINDA VISTA.

200 at	02	4 00

MONARCH OF ARIZONA.

200 at	21	42 00
800 at	22	176 00

OCCIDENTAL.

634 at	80	507 20
600 at	38	228 00
400 at	39	156 00
50 at	40	20 00

OIL CITY PETROLEUM.

1600 at	25	400 00

PEERLESS.

705 at	5 12½	3613 12½
500(B90)at	5 37½	2687 50
50(B90)at	5 50	275 00

PETROLEUM CENTER.

100(S90)at	03	3 00
100(S90)at	01	1 00

REED CRUDE.

200 at	32	64 00
1000 at	31	310 00

SAN JOAQUIN.

10 at	8 00	80 00
35 at	8 12½	284 37½

STERLING.

100 at	1 35	135 00
500 at	1 37½	687 50
1800(B90)at	1 40	1120 00
100(B30)at	1 40	140 00
1140 at	1 40	1596 00
500(B90)at	1 42½	712 50

SOVEREIGN.

800 at	25	200 00
650 at	26	169 00
100 at	27	27 00
200 (B30)	27	54 00

SENATOR.

100 at	1 00	100 00

TWENTY-EIGHT

70 at	1 60	112 00
950 at	1 65	1567 50

WEST SHORE.

100 at	3 00	300 00

Shares 30,813 Amount $22,800 95

NEW RAILROAD PROJECT.

W. H. H. Hart's Plans For Oil and Iron.

Articles of incorporation of the California Midland Railroad company were filed recently in the office of the County Clerk of San Francisco. The directors are W. H. H. Hart, W. M Graham, Daniel E. Hayes, R. J. Davis, Edward Dexter, Henry C. Bunker and B. C. Van Emon of San Francisco; E. R. Graham of Bakersfield and Albert Betz of Berkeley. The capital stock has been fixed at $15,000,000. Hart and W. M. Graham subscribed $25,000 each for then selves and $443,000 jointly as trustees. The others subscribed $1000 each. It was stated that 10 per cent of the $500,000 subscribed had been paid to Hart as treasurer of the company. The company's main line is to run from San Francisco to a point near the mouth of Kings creek, about six miles above the mouth of the upper north fork of the San Joaquin river, and it is to be 200 miles long. This will be to tap the extensive iron deposits in this locality. A branch line, fifty miles long, is to extend to the Nevada State line. Another branch, 115 miles long, will run from Madera to Bakersfield; another will be carried to the Yosemite, and its length will be about seventy miles. Another branch will extend to Stockton, and it will be twenty miles long, and three short branches will connect with cities on San Francisco bay. It is the intention of the new company to use oil fuel for iron smelting, and in order to get this fuel cheaply it will be hauled on their own railroad.

Unjustifiable Attack.

A week or two ago a mining paper which takes up oil as a side issue had samething to say derogatory as to Kerr's Reports, a local agency which keeps posted as to the rating and condition of various oil companies. In another column will be found an article which explains the attack and its animus.

In the East.

Charles M. Hatcher, the successful business man, who has promoted a number of successful enterprises in San Francisco, San Jose, and elsewhere, is now in the east engaged in promoting the welfare of the Yankee Girl Oil Company. Mr. Hatcher is a Kentuckian, but this fact does not interfere with his taking considerable interest in the Yankee Girl. Latest reports say he is doing very well.

Oil Going Up.

W. A. Jacobs, who controls several of the best producing companies in the Kern River district. and who is prominently connected with the Associated Oil Company, the new $40,000,000 combination, reports that within the last week he has refused to accept a contract for a large amount of oil, covering a long period, the price offered. 24 cents a barrel at the wells being too low.

South of the River.

H. Zadig returned this week from a trip to the Wizard well in 26, 29-28. He reports that a large stratum of clay was struck at a little over 1200 feet, which enabled the drillers to shut off the water, which had compelled work to cease on the Panorama in section 14. A six inch pipe will now be pushed down to 2000 feet if necessary.

It is expected this well will prove up a vast territory.

When the Panorama gave up their well they had 180 feet of oil sand which would yield 150 barrels a day. They will resume work.

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Twenty acres of absolutely proven oil land in McKittrick district to lease on royalty basis for development work. Chance for good, responsible driller. Securities required.
For further particulars, address,
W. G. KERCKHOFF
Wilcox Block, Los Angeles.

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$80	SAN FRANCISCO	Dec. 18
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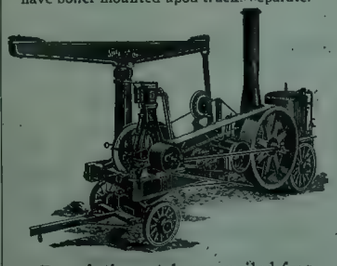
Good sixty days. Optional side trips. Special rates from all California Points.

Inquire of Agent for Literature.

The Star Drilling Machine

Cut shows boiler mounted upon frame of machine for oil and gas works. It is usually advisable to have boiler mounted upon trucks separate.



Descriptive catalogue mailed free.

The Portable Rig which has placed upon a lower plane the expense of operating for oil or gas.

Its tests range from shallow water wells to a limit of 2825 feet in depth, but it is especially recommended for work under 1500 feet and can handle easily 1000 feet of casing.

One No. 4 Machine has a record of Thirty-two 800-foot holes in one year,

Made in Sizes to Suit Territory.

The only machines made that are absolutely without annoying springs. They are simple, powerful and efficient, easy to handle at work or on the road. Used in every State and Territory and in many foreign countries.

We also make full line of Drilling and Fishing Tools, Reamers, Sand Pumps, Spuds etc

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AKRON, OHIO.

Not Quantity of Land but Quality

SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell
WORK HAS COMMENCED. Well No. 1 is now almost completed and is in oil.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at 25 CENTS PER SHARE. Write for Prospectus to the

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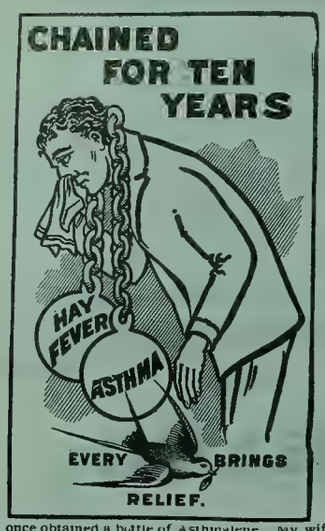

There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.
Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,
REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.

Dr. Taft Bros. Medicine Co.
Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted wfth this distressing disease. Yours respectfully,
O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.
Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.
Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City.

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Do not delay. Write at once, addressing **DR. TAFT BROS'. MEDICINE CO.**, 79 East 130th Street, New York City.

To Investors

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Philippine-Oriental Commercial Company

Offers for a short time some of its capital stock, and calls attention to the following facts:

1. It is a commercial enterprise for the establishment of trading posts in the Philippine Islands.

2. The company will engage in transportation business.

3. It is under American control. Its incorporation under the laws of South Dakota insures the stockholders against personal liabilities for debts.

4. There is no promotion stock. Every dollar paid in goes into commerce and comes back in dividends.

5. Its management is in the hands of good business men.

For full particulars call at the company's office,

Room 44, Parrott Building

SAN FRANCISCO, CAL.

Telephone, South 492.

National Oil Association.

The statement that the Western Oil Men's Association, with headquarters at Toledo, Ohio, purposes changing its name to the National Oil Men's Association, makes relevant the return of comment on the poverty of oil men in the matter of associations. There is no national association of oil men, though there is of people identified with almost every other business of any note, and the local associations of oil men are few and of limited membership. Is it not strange that this should be the case? Each individual has his own interests to serve in the oil business, and so has each locality, but they all have interests in common, which might be well served by having more associations, including a national organization. With the proper degree of interest all the oil men of the country could be enrolled as members of this national association, and with such a membership the individual dues could be but a mere trifle, and yet constitute in the aggregate a sum sufficient to apply effectively to purposes of general benefit to the association. An appropriate feature of their annual gatherings might be the awarding of prizes, offered through the instrumentality of the association, for the stimulation of special activities in the promotion of the oil business. In this connection the following is from a foreign contemporary, the Petroleum Review of London: "The technical committee for the preservation of the Baku oil fields have now published particulars of the prize competitions instituted by the Baku Petroleum Association for the following best inventions: Smokeless liquid fuel burner for domestic purposes, or an apparatus to be adapted to any liquid fuel burner for consuming the smoke, neither appliance to require special care or attendance; and an appliance for the safe and convenient attaching of belts on the driving wheels of steam engines, boring apparatus (with one or two belts), and baling drums working on derricks. The final date for presenting the designs to the chairman of the technical committee, the district engineer of the Second Caucasian Mining District, at Baku, has been fixed for the 14th of January, 1902. The prizes offered are: 1500 roubles for the smokeless liquid fuel burner for domestic purposes, or an appliance for consuming the smoke; and 500 roubles for the invention of an appliance for the safe and convenient attaching of belts."

Briefly summed up there are many ways in which a national oil association in this country could be made of general benefit to those identified with the business, and could be profitably and pleasantly supplemented by local associations.—Petroleum Gazette.

BEAUMONT OIL PRODUCERS.

There Are Now Fifty-Three Gushers—List of the Completed Wells.

The Star and Crescent Oil company brought in No. 2 Friday morning at 11 o'clock, making the fifty-third gusher in the field. The well is a six-inch and perfect in every particular. The Star and Crescent company is conducting its own operations in the field and the well was drilled under the supervision of the field superintendent.

Following is the correct list of Beaumont gushers up to date:

1—Lucas.
2 National No. 1.
3—McFaddin No. 1.
4—Gladys No. 1.
5—Higgins No. 1.
6—Gladys No. 2.
7—Heywood No. 1.
8—Gladys No. 3.
9—Star and Crescent No. 1.
10—Gladys No. 4.
11—Heywood No. 2.
12—McFaddin No. 3.
13—McFaddin No. 2.
14—Heywood No. 3.
15—Hogg-Swayne No. 1.
16—Higgins No. 2.
17—Columbia.
18—National No. 2.
19—Spindle Top.
20—Ground Floor.
21—Gladys No. 5.
22—Yellow Pine.
23—Cox-Josey.
24—Manhattan.
25—Darragh.
26—Cattleman's.
27—Alamo.
28—Beatty.
29—Export.
30—El Beaumont.
31—National No. 3.
32—Fountain Fuel.
33—El Paso.
34—Spangler.
35—Beaumont-Palestine.
36—Mississippi-Texas.
37—M. K. & T.
38—Grace.
39—Drillers.
40—Ft. Worth.
41—Beaumont Confederated.
42—Gladys No. 6.
43—Gober.
44—Buffalo.
45—Chaison No. 1.
46—Moore-Skinner.
47—Georgetown-Waco.
48—Oteri.
49—Eureka.
50—Geyser-Kaltenbach.
51—Trenton Rock.
52—Queen of Waco.
53—Star and Crescent No. 2.

The Lucas, Gladys, Chaison and McFaddin wells are owned by the J. M. Guffey Petroleum company.
—Beaumont Enterprise.

Oil Companies Incorporated.

Eureka Oil company of Colusa county. Principal place of business, Pierre, S. D. Directors: L. Newman, W. H. Daly and W. A. J. Sears. Capital stock, $500,000.

North American Oil and Refining company. Principal place of business, Cheyenne, Wy. Directors: G. A. Cockburn, F. L. Sherwin and E. A. Sunderlin. Capital stock, $15,000.

Santa Rita Oil company. Principal place of business, San Francisco. Directors: J. Sloan, N. A. Dodge, J. B. Richardson, W. Ames and E. B. Whitman. Capital stock, $75,000; subscribed, $5.

Golden State Oil and Development company. Principal place of business, Pierre, North Dakota. Directors: J. E. Firmstone, G. L. Calder and L. L. Stevens. Capital stock, $500,000.

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"Then follow success."

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I'll be their neighbor IF they strike oil.

Write for a FREE copy of my "ILLUSTRATED OIL FIELDS," which describes the origin of oil in all its phases, where it is found, etc., etc.

References: San Francisco Banks.

Authentic information furnished regarding any oil company in the State of California.

I have trustworthy data always available.

Correspondence welcomed.

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Capital.....$500,000
200,000 shares at $2.50.
Location: 160 acres in Sunset district, Kern county.
Officers and Directors—O B Burns, president; Wm E Stevens, vice-president; F J Brugiere, secretary and treasurer; Samuel Hubbard, J F McCarthy, G G Kenny.
Office: 807 Claus Spreckels building, San Francisco, Cal.

CALISTOGA OIL AND DEVELOPMENT CO.
500,000 shares par value $1.
Operating on 2320 acres located in Napa, Yolo, Fresno, San Benito, Monterey and Kern counties. Officers: L D Hitchcock, president; R B Todd, vice-president and manager; B F Edwards, secretary; J M Caselman, treasurer; Dr. H G Thomas and Dr. E J Boyes. San Francisco National Bank, depository. Office, 23 and 24 Merchants Exchange, San Francisco, Cal.

CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CUYAMA VALLEY OIL COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner. President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FOREST CITY OIL COMPANY. Incorporated January, 1901. Capital, $500,000. Shares $1.00 each. Officers and directors: Nestor A Young, M D, president; George M Stevens, vice-president and general manager; Frank Records, secretary; Central Bank, treasurer; T L Ball and C C Carver. Stock full paid and non-assessable. Holdings are absolutely certain oil territory. Well No 1 completed and pumping. Offices, 229-231 Laughlin block, 315 South Broadway, Los Angeles, Cal.

GOULD CENTRAL OIL COMPANY of California. Office, Alliance Bldg., 416-418 California St., S. F. Incorporated January 21, 1901. Properties situated in McKittrick and Temblor districts, Kern County, California, consisting of 1,920 acres and a complete standard rig. Capital stock, 1,000,000 shares. Par value, $1.00 per share. Officers and directors: J. L. Gould, president; E. M. Hall, vice-president; Henry M. Whitely, secretary; J. J. Hanifan, A. B. Fowler, Carl Petersen and C. L. Metzger, directors. A limited number of shares at 20 cents per share.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock.
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland.

HECLA OIL COMPANY. Incorporated under the laws of Arizona, March 12, 1901. Stock absolutely non-assessable. Company owns 160 acres of choice oil land in the Sunset Oil district, Kern county, California. Capital stock, 1,000,000 shares; Par value $1.00 per share. Officers and directors: Dr F E Fletcher, president (connected with the Calumet & Hecla copper mines for 23 years); Capt John H Marshall, vice-president; Chas L Warfield, secretary, Perle M Johnson, treasurer; Patterson Sprigg, attorney. Office of the company, room 20, 1015 Fifth street, San Diego, California.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

ORIENTAL OIL COMPANY. Capital, $100,000. 100,000 shares at $1.00. Location, Kreyenhagen Oil district, Kings county. Officers: L B McMurtry, president; H H Harlow, vice-president; E W Kay, secretary and manager. Office, Room 506 Parrott building, San Francisco.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailtone, secretary; T. L. Moran, manager; Kern alley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OBISPO OIL COMPANY. Capital, $1,000,000. Number of shares, 1,000,000. Treasury stock, 550,000 shares. All stock fully paid and non-assessable. Incorporated under the laws of California. Properties in Kern, Fresno, San Benito and San Luis Obispo counties, Cal. Incorporators: G R Parkinson, President Bank of Palo Alto; Captain Frank Barrett, Palo Alto, Cal.; K W Brown, Fresno, Cal.; Chas E Bond, Minneapolis, Minn.; C F Alderson, Chicago, Ill. Officers: John F Giles, president; Frank Barrett, vice president; Chas E Bond, treasurer; C F Alderson, secretary, K W Brown, assistant secretary. Office, Suite 74, Citizens Bank building, 119-121 La Salle street, Chicago, Ill.

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

POTOMAC OIL COMPANY. Capital stock, $2,850,000; Par value, $1.00. Has 2,000 acres in Kern, Los Angeles and Summerland fields, with 26 producing wells. Officers and directors: P V Schermerhorn, president; C H Ritchie, vice-president; R D Robinson, secretary and treasurer; D M Schermerhorn and W S Morton. Principal office, Potomac building, Los Angeles, Cal. Tel John 2281.

SALINAS OIL AND DEVELOPMENT COMPANY. Capital, $1,000,000. 1,000,000 shares at $1.00. Land in Monterey county. Officers and directors: President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco. Office, room 573-574 Parrott building, San Francisco.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

SAN JOSE PETROLEUM CO. OF PANOCHE
Capital.....$500,000
500,000 shares, par value, $1.
Location: Panoche District, San Benito county, California, 640 acres east half section 12, township 15 south, range 11 east; west half section 7, township 15 south, range 10, east.
Officers and Directors—H W Conkling, president; L A Spitzer, vice-president; D A Porter, secretary; C A Bothwell, treasurer; J C Conkling S H Langford, Allen Brant and C A Bothwell.
Brant and Brown, attorneys.
Office: Room 1, 85 S First st., San Jose, Cal.
San Francisco office: Room 311 Adams bldg., 206 Kearny street.

SOLANO OIL AND DEVELOPMENT CO.
Incorporated under the laws of the state of Arizona, October 3, 1900.
Capital stock, 200,000 shares, valued at $1 per share, or $200,000.
Location: 1200 acres in Solano county, California, three miles from Vallejo and within two miles of San Francisco Bay.
Officers: I. Freeman, president; Max Kahn, vice-president; M. M. Kahn, secretary, Hugo D. Newhouse, attorney.
Depository: First National Bank of San Francisco.
Safe Deposit Vaults, Union Trust company, San Francisco, Cal.
Directors, E. Pander, M. M. Kahn, Max Kahn, W. D. Newhouse, B. Heyman, Arizona Representative, I Freeman. Office, 1327 and, 1329 Market street San Francisco.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

USONA PETROLEUM COMPANY. Capital, $500,000. 500,000 shares at $1.00 each. Incorporated under the laws of California. Location 140 acres Midway district, Kern county, leased from Bay city, being 60 acres in N½ of NW¼ section 22, 32-23, and 80 acres S½ of SW¼, section 4, 32-23. Officers: Geo W Turner, president; Geo Hansbrow, vice-president; E N Sewell, secretary and treasurer; W R Stammers, manager; H W Merritt, J H Dorn, W W Hutchinson; Maurice V Samuels, attorney; Union Trust company, depository, Office, 301 Safe Deposit building, San Francisco.

WALDORF OIL AND ASPHALT COMPANY. Incorporated Feb 25, 1901. Capital, $500,000 500,000 shares at $1.00 per share. Place of business, Hanford, Cal. Headquarters at McCord & Son. Location of lands, 1, 2, 0, Guadalupe, Santa Barbara county, Cal. Officers and directors: Geo B McCord, president, Hanford; Dr N P Duncan, vice-president, Hanford; J O Hickman, treasurer, Hanford; Wm M Madden, attorney for company, San Francisco; W H Worswick, field superintendent, Hanford; F Brader, Hanford, N Weisbaum, Hanford, L S Chitteuden, Hanford, W H Worswick, Jr, Hanford. Jas Manasse, secretary.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone - Main 671.

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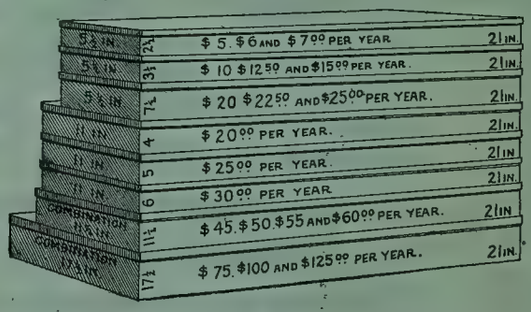

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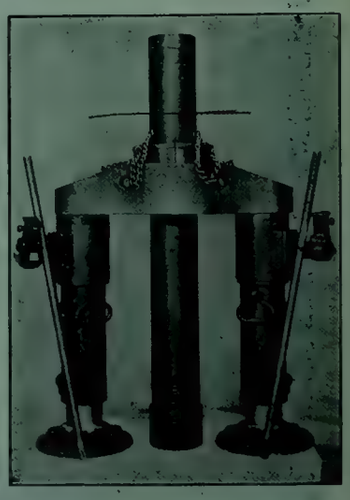
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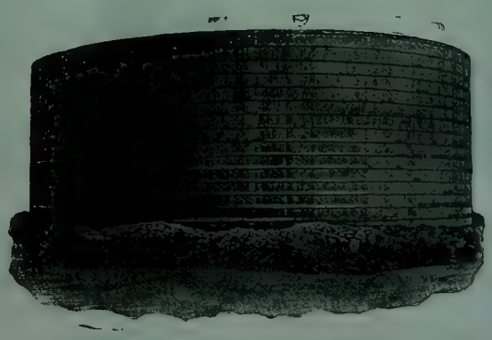

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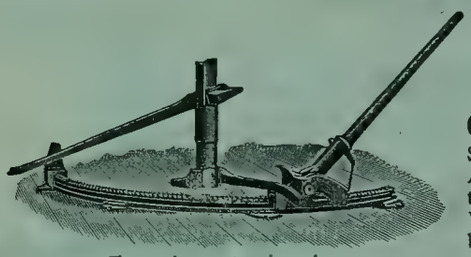

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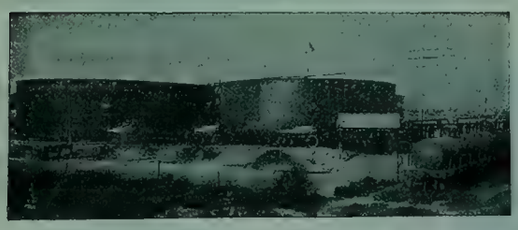

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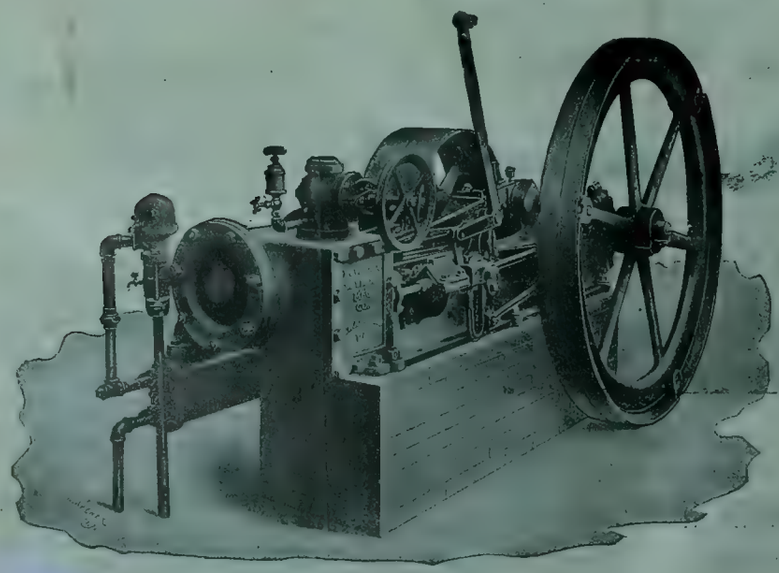

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VOLUME 2 NUMBER 29

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SAN FRANCISCO, CAL., FRIDAY, OCTOBER 18, 1901

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VOL. 2. NO. 50. SAN FRANCISCO, CAL., FRIDAY, OCTOBER 18, 1901. PRICE, TEN CENTS

FUEL OIL FOR GOLD MINES.

Striking Economic Success on the Mother Lode in Amador County.

BY J. O. DENNY.

One interested in the oil industry who will trail the crude petroleum of the San Joaquin Valley from oil field to furnace or retort will follow ever-multiplying, diverging, greatly varied and often picturesque paths. They will lead him to greatly varying types of industry, and to the heart of industrial California. He will come into direct contact with the sources of power which fuel oil meets and is to meet in competition and these meeting points are the places to study this competition. He will find the horizon of the industry broadened to his vision in many ways. He will learn who uses fuel oil and why, will realize the immense future promise of the industry by knowing the economical successes already attained by consumers and the vast field in which such successes may be multiplied, and he will be interested in observing the ways of people with the new fuel in old furnaces.

It is the field of consumption and not that of production that now chiefly calls for study and commands the chief interest to the industry. When the engine toots on the branch line in the oil field and the black train of tank cars pulls out for the north, it's good-by to pumping jacks, to dropping drills and dipping shales, and it's farewell to the geologist. At the main switch we leave the elementary department. Every train that thus rolls northward will lead to a series of interesting stories as the cars separate at this side track and that junction to scatter over hundreds of miles of industrial California.

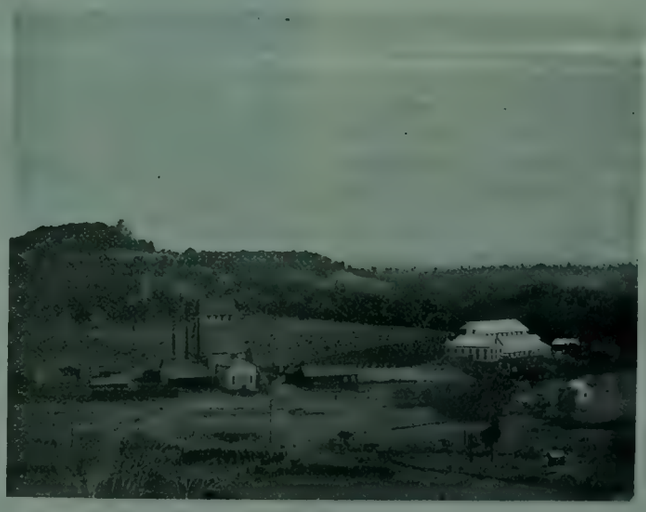
I recently had an opportunity to follow a little of this scattering fuel supply to one of its most interesting destinations, that of some of the biggest gold mines of the Mother Lode on the Sierra slope in Amador county. The mining industry itself has just begun to provide one of the important markets for fuel oil and the future will prove petroleum to be one of the important factors in the progress of mining development in California. It has not yet been used in blast furnaces, but at the Selby Smelting Works at Vallejo Junction and at the smelter of the Mountain Copper Company at Keswick, Shasta county, it has long been used exclusively in the reverberatory ore-roasting furnaces. It has been adopted for generating steam at two or three mining plants in Nevada county, in Tuolumne county and at the several large mines in Amador county alluded to, and the conditions of power supply in various mining regions make it certain that the experimental successes recently attained at these mines will lead to an extensive adoption of oil at other mining plants.

Oil Storage Tank at the Lincoln Mine.

In this Amador county mining field we shall see crude petroleum paying 50 per cent higher railroad charges than to San Francisco, being hauled twelve to fifteen miles up the mountain slope, costing $1.50 per barrel at the mines, and yet supplanting wood with a saving of 25 to 40 per cent in fuel costs. There we shall see oil that was pumped from under the Kern valley going up into the mountains to raise gold ore 2000 and 2500 feet, or from 1200 feet below the level of the sea; we shall see Kern county oil adding to the value of quartz lying a half-mile deep in the earth and constituting another factor in the mining progress that is making available limitless reserves of low grade ore that will afford a small but reliable margin of profit.

Our trail leaves the main valley line to Sacramento at Galt, whence the branch road runs to Ione. Passing Stockton eighteen tank cars were noted in the freight yards and as we reach Galt a long oil train from the north pulls onto the siding—twenty-six empties bound south from north of the bay. Seldom does the traveler pass a freight train from which oil cars are absent and solid oil trains roll daily over the main routes. Oil is gratifyingly intrusive and asserts itself strongly along the busy arteries of commerce throughout the state.

We find two cars of oil ready for the Ione trip. That is not so very much and is far more than the daily consumption but the interest and significance of it are not to be measured by barrels. Our train plugs along toward the foothills, after the manner of branch-line mixed trains, and stops at a lonely little station just where the plain has begun to rise in long low billows and the bedrock formations of the range to dive down under the detrietal filling of the valley. Here is something interesting. Within a stone's throw of where the oil cars pause on the main track is a small rough-looking mining plant to which our engine is sidetracking two box cars. This is a coal mine, the present source of the well-known Carbondale coal, and the only coal mine now operating in Amador county. This coal is a soft brown lignite, valuable for steam raising at its low price of $1.50 per ton at the mine, and for a great many years has had a considerable local market, including Stockton and Sacramento. The vein mined lies but 100 feet below the surface, is several feet thick and of uniform grade and a sidetrack runs to the pit's mouth, everything making production cheap. But it is learned that within three or four months the daily output has fallen from 150 to 75 tons owing to the substitution of fuel oil by several consumers, including the Stockton water works, the Sperry flour mills at Stockton and the Sacramento steam laundry. Those oil cars in the Stockton yards explain the disaster to this coal mine. And here Kern county oil is passing this coal mine to victory in Amador county itself.



Surface Plant of the Oneida Mine, Amador County.

At Ione, in a pretty valley in the lower foothills, the steam engine turns its load of fuel oil over to dusty mule trains. We may here note how this new mountain trail to market came to be opened to petroleum. When the fuel oil boom was on early last winter, several of the progressive mine superintendents of Amador county turned to investigate the merits and availability to them of fuel oil. Supt. E. C. Voorhies of the Lincoln, part owner of several important mines, was especially active in the investigation. At these big mines every item of cost is figured to fractions of a cent per ton of ore and at such large mining plants costs are kept track of in greater detail and there is a more persistent and in-

telligent effort to reduce costs and increase the efficiency of every productive process than in most industrial enterprises of different type. This explains why in a mountain region, distant from a railroad, with an expensive wagon haul involved, the economy of fuel oil was so promptly recognized while so great a number of more favorably situated industries gave slow heed to the cheaper fuel supply that had come.

The Oil Producers' Storage and Transportation Company, the Kern county association of which G. X. Wendling is the head, offered to deliver oil for $1.50 at the mines and five mining companies contracted for a year's supply at this price. The contracts call for oil of from 14 to 16 degrees gravity and a rebate for more than one per cent of sand and water.

At Ione the tank cars, carrying about 150 barrels each, go to a side track, beside which lies a big flexible hose attached at one end to a buried pipe leading to a storage tank holding 55,000 gallons, or about 1400 barrels. The bottom of the tank is elevated about ten feet above the roadway and beside it is a pumping plant which pumps the oil flowing from the car through hose and buried pipe up into the storage tank. The railroad is through with the oil and presents its bill for 1½ cents per gallon, or 63 cents per barrel, or about $100 per car, all told.

Between the storage tank at Ione and the storage tanks at the mines the oil is in charge of "Dan" McCall, of the Ione flour mills who delivers it by some contract arrangement with the Producers' company. The mines are from twelve to fifteen miles distant and the road to these mines and to the towns they support is one of the busiest in the mountains. All freight is hauled from Ione and nearly fifty freighting outfits of from four to twelve animals each are steadily operating, hauling about a half-ton to the animal, two heavily loaded wagons constituting the usual outfit. Mr. McCall employs several outfits, the largest one consisting of two cylindrical tanks of respectively twenty and twenty-four barrels, the two tanks with their seven and one-half tons of oil being hauled by twelve mules making four trips a week. Other outfits making a trip a day have one tank each and these lumbering loads of oil, dragged up successive hills by straining mules, to elevations of from 1200 to 1[illegible]00 feet, are constantly on the road. For several weeks a carload a day has gone up the foothills to the lode, where a winter's supply is accumulating.

The cost of delivery from Ione could not be learned. The ruling price for freighting to Sutter Creek and Jackson by yearly contract is 20 cents per hundred pounds. This rate applied to oil weighing eight pounds to the gallon would be equal to 67 cents per barrel. This added to 63 cents railroad charges would make the transportation cost $1.30 leaving 20 cents for the Producers' Oil Storage and Transportation company. The margin is probably larger. However, the cost of transportation which this oil stands with such a showing of economy as it makes should be noted.

At the mi es the storage tanks are located so that the oil passes by gravity into them from the tank wagons The mining companies using oil were required to erect tanks holding at least 100 day's supplies to tide over the season of bad roads and they are uniformly redwood tanks holding 1200 barrels each. The Kennedy and Oneida have two tanks and the others one each.

The results obtained at the mines are interesting. The reported saving in cost of fuel as compared with wood at from $5 to $6 a cord varies from 25 to 40 per cent and the saving will be increased with experience. The mines now using the oil number five. Others will begin its use next year. The consumers are the Kennedy, Oneida, South Eureka, Lincoln and Gover.

W. F. Detert, superintendent of the Zeile at Jackson gets wood at $5 per cord and has not been convinced that it will pay to change.

The Wildman-Mahoney uses water at a head of over 500 feet and this high pressure makes water more economical than oil.

At the Baliol oil was considered at first and then a managing director concluded to stick to wood for another year.

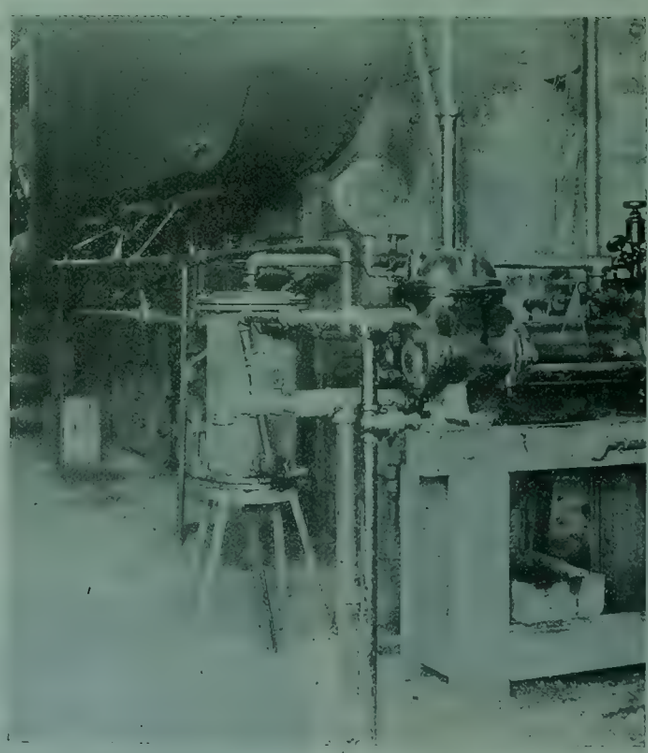
The Central Eureka had already contracted for its year's wood supply when fuel oil made its entry. Superintendent W. R. Thomas expects to use it next year.

The Keystone is figuring on an extended use of electric power and has held oil in obeyance.

At the Bunker Hill a wood supply was on hand. "Next year we will probably use oil and let the wood grow," said E. C. Voorhies.

Water, electricity and wood in steam plants are the sources of power which we find fuel oil meeting in competition here, though the competition is now really restricted to wood in steam plants now operating. The water comes fifty miles or more through the Amador ditch and the pressure under which it can be used largely governs its economy. Its use is lessening.

The Standard Electric company has run its wires from its Blue Lakes plant along this line of mines and is aggressively promoting the use of electric power, which is extensively used for running mills especially, and the use of which will increase.



Oil Burning Plant at the Lincoln Mine.

Because of the intermittent and variable loads of hoisting plants steam is used for the hoists at nearly all these mines and for some minor features of the plants such as air compressors, rock breakers, etc. The field for oil is thus practically limited to hoisting but the hoists at the large mines require extensive steam plants.

The most notable, efficient and interesting of these oil-burning hoisting plants is that which has been installed at the Oneida mine by Superintendent C. C. Derby who has an enthusiastic appreciation of the fuel. This famous old mine has been re-opened and equipped with one of the finest surface plants in California at a cost of over $600,000. A new vertical three-compartment shaft over 2,000 feet deep has the largest and finest hoisting plant in the state, capable of raising the cages and skips at a speed of 2500 feet per minute and to this steam power is restricted. The sixty-stamp mill and all other machinery are run by electric power. There is much in this great mine and its strikingly efficient operation to interest the miner but only the steam plant concerns the oil problem. This mine has immense reserves of low-grade ore averaging about $3 per ton and the cost of producing is $2 28 per ton. Mr. Derby is making a brilliant record in paring down the costs of production in in various ways.

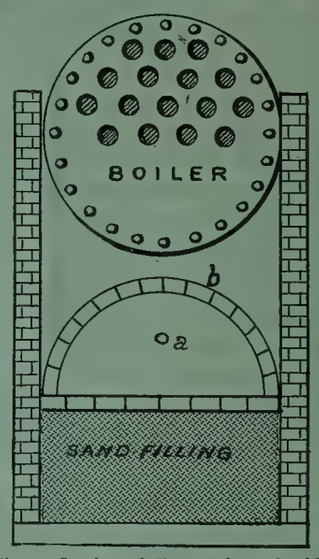


Fig 1.—Section of Front of an Oneida Boiler—a, oil burner; b, fire-brick arch.

He has made a careful study of the economy and methods of oil burning with interesting results. The steam plant driving the ponderous hoisting machinery which raises about 9,500 tons of ore per month, consists of four large 16-foot boilers generating 150 horse power in current use. The oil passes to the boiler room from the two housed storage tanks through 400 feet of buried pipe. A duplex steam pump forces the oil to the burners in the usual way. Here the Larkin burner is used. The oil enters the burner at a pressure of 40 pounds and the steam at 90 pounds.

Mr. Derby has given special care to the furnace arrangement in the belief that the furnace has much more to do with the fuel efficiency of the oil than the burner, and he has installed the interesting furnace arrangement illustrated in an accompanying cut. This plan was suggested by Hall's patent retort furnace for use with coal. The grate bars were entirely removed leaving only a vacant space between the boiler and the furnace floor. More than half this space was then filled with sand and earth topped with a layer of fire brick.

The brick floor, with the filling under it, stands in front at about midway between the ash and fire doors, the former becoming wholly useless even for supplying air. This furnace floor slants upward gently as it extends to the rear end of the boiler where it stands 15 inches below the boiler. The burner directs the jet of flame slantingly downward, letting it strike the inclined brick floor 24 inches from the fire door. Extending backward from the front end of the boiler, with a downward slant, an arch of fire brick reaches a little past the point where the flame strikes the floor and rolls upward in a vortex of intense heat. This is to protect the bottom of the boiler at this point. The fire bricks of the arch are white hot when the furnace is in operation. The necessity for this protection is shown at the neighboring Kennedy mine as noted elsewhere. Air is supplied and regulated wholly at the fire doors. The floor and arch, remaining at a white heat, supply heat to the bottom of the boiler by radiation. The burning gases, kept near the boiler in this way, enter the boiler tubes at the rear in the usual manner. The air supply is admitted and regulated at the fire doors.

The efficiency of this furnace arrangement and of the operation of this oil-burning plant in general is indicated by Mr. Derby's statement that the saving over wood is over 40 per cent. This is much the highest economy reached at these mines. Here as at the other mines no evaporative tests have been made. The economy is estimated from the comparative costs of steam with wood and oil as shown by the mine accounts.

Mr. Derby stated that he was burning 2½ barrels of oil in place of one cord of wood. At the Oneida wood costs $5.50 per cord and 2½ barrels of oil $4.50. Each 2½ barrels of oil thus effects a saving of $1 in the first cost of fuel alone. The saving per barrel of oil is 40 cents. Since introducing oil the wages of one man in the boiler room has been saved, also the wages of one man engaged in bringing in wood. At such a mine a year's supply is hauled in during four or five months and men are kept busy piling it. Mr. Derby takes this to be equal to one yard man the year round. The saving in wages is thus that of three men amounting to $8 per day. Incidental savings are the bother of purchasing wood and looking after the supply constantly and the deterioration of wood. The convenience and satisfaction of the use of oil count for much.

There is here a splendid electric installation operating all but the hoist. Electricity costs $6.50 per horse power per month and is cheaper than steam power elsewhere than at the hoist. Altogether power has cost the Oneida in the past 34 cents per ton of ore mined and milled and the room for cutting down costs is apparent.

At the great Kennedy mine, the Oneida's neighbor on the south, the deepest gold mine of America, where three shafts are in operation, one of them being sunk vertically to cut the vein at 3,500 feet, oil is being used at the steam plants which operate the hoists and compressors. Here Larkin burners are used. The flame is shot horizontally along under the boiler not far below it, nothing being interposed for it to strike against. It is reported that the close contact with the flame resulted in a damaged boiler plate which required a patch. This affords an illustration of the fact that protection of the boiler from anything like a direct contact with the petroleum flame is one of the most important considerations in the furnace arrangements for using fuel oil.

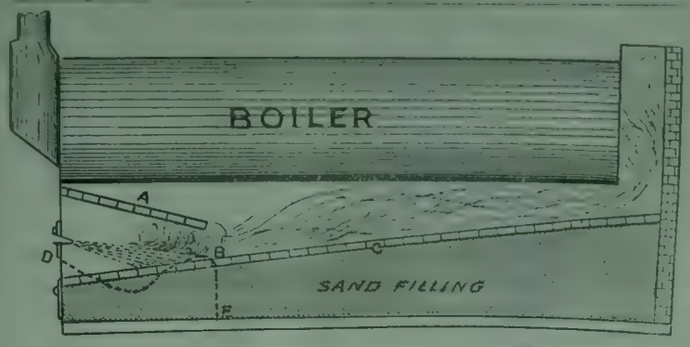
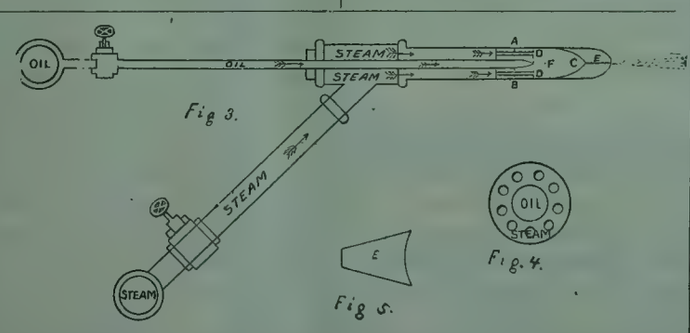


Fig. 2.—Longitudinal Section Showing Furnace Arrangement at the Oneida Steam Plant.

A, brick protective arch. B C fire brick floor. The line D B E indicates the arrangement first installed, the space under the curved floor (D B) only being filled in.

The plant installed by Superintendent E. C. Voorhies at the Lincoln mine is worthy of an account. This old mine, just north of Sutter Creek, has been re-opened and the shaft is being sunk from the 1,200 foot level with 2,000 feet in view. The present depth is about 1,600 feet. There is no mill, operations are confined to sinking and prospecting and the hoist, air compressor, etc., steam driven, comprise the surface plant. The fuel consumption would be much larger if ore was being stoped and hoisted.

This oil burning plant was designed by Mr. Voorhies and constructed by the mine's force. The 1200-barrel tank stands on a level with the boiler room floor, 160 feet distant on the waste dump and below the roadway. Here, as at the Oneida, the location insures safety in case of fire or other accident to the tank. The top of the oil is kept near the top of the tank by a sufficient body of water below it, the object being to protect the tank from shrinkage. The oil is drawn out from near the top off the store through a hinged pipe the open end of which is maintained just below the level of the oil by a float. A duplex feed pump draws the oil from the tank through a buried 4-inch pipe and forces it through the burners at a 30-pound pressure. The oil passes from the pump first through a feed water heater through which the exhaust steam passes. This exhaust steam is further utilized for heating the oil by letting it pass through a 1½-inch pipe laid along the whole length of the supply pipe, the steam escaping by the tank. This pipe is laid directly on the oil pipe, and covered by buried boards joined in V-shape. At the tank, 160 feet from the boilers, the supply pipe is sensibly warmed.



Burner Constructed by E. C. Voorhies in Use at the Lincoln Mine.

From the oil supply pipe (Fig. 3) the oil passes directly through the orifice F into the chamber C. The steam goes to a larger pipe enveloping the oil pipe and enters the mixing chamber through the holes DD. From the chamber the steam and oil issue to the furnace through the slit E, the horizontal plan of which is shown in Fig. 5. In Fig. 4 is shown a section through the line A B in Fig. 3.

The burner was designed by Mr. Voorhies after study and observation elsewhere. In this home-made burder the oil passes to its exit through a small pipe extending through a larger one through which passes the steam. The oil enters a terminal chamber through a single central opening surrounded by an annular wall perforated with small vents for the steam. The steam jets enter the chamber enveloping the jet of oil and both pass with great force and commingled through a terminal slit that delivers a flat, fan-shaped spray and flame directed slightly downward. The flame strikes against a low wall of fire bricks so piled that pigeon-hole openings are left between them. As this arrangement operates it results in a continual and somewhat rapid deposition of coke upon the fire bricks. One mass observed was perhaps two feet wide and three inches thick. This and the comparative fuel saving indicate that the combustion and efficiency can be improved as they undoubtedly will be. This entire oil-burning plant cost $650 including $450 for the tank.

Mr. Voorhies expects to increase the efficiency of this plant but as it has been installed and operated it has effected a fuel saving of 30 per cent calculated on the results obtained for a period of forty-one days. At the Lincoln wood costs $6 per cord or 50 cents more than at the Oneida. During the forty-one days of the use of oil preceding September 1, 328 barrels of oil costing $492 were burned or exactly eight barrels a day. In the same time 106 cords of wood at $636 would have been required. The direct saving in fuel costs was $144. All things considered the estimated economy was 30 per cent, as stated. There is every prospect that a greater saving will soon be obtained. The practical results at the remaining mines using oil are about the same as at the Lincoln.

It would be observed that in this particular field the opportunity for oil is practically limited to competition with wood where steam power is necessary. Electricity costs less per horse-power, but its use is yet mainly limited to steadily running mills while steam is principally used for hoisting. At one of these mines the pressure at which water is available makes it the most economical source of power. Another consideration is that when water is used a steam plant is often also necessary against the seasons when the water supply runs short. The relatively high cost of wood in this section gives oil its opportunity. In some mining districts wood costs more and in others less, often 50 per cent less. It has been shown that at the Oneida mine oil at $1.50 per barrel is equal to wood at $4.50, with minor advantages still on the side of oil. Various elements enter into the equations which may express the economic relations of fuel oil to other sources of power at different points, and the cost per horse-power is but one important factor in the problem. The small field of consumption described illustrates and suggests much concerning the field open to fuel oil and its adaptation to existing conditions. All indications point to a general use of oil in the mines next year.

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FRIDAY, OCTOBER 18, 1901.

Its Use Increasing

Few people outside of those directly engaged in the sale of oil or in the freight departments of the railroads realize how rapidly the use of fuel oil is increasing.

Those who supply oil in bulk in San Francisco, such as the Standard Oil company, are obliged almost weekly to increase their facilities for delivering fuel oil, and the number of four, six and eight-horse tank wagons engaged in delivering the new fuel is surprisingly large.

The latest improvement in the line of delivering oil in bulk in San Francisco is the automobile tank wagon which was put to its first practical use this week. This wagon has a capacity of thirty-two barrels, and is able to travel at a much faster speed than the six-horse team which has heretofore been used in delivering this large amount of oil. It can also be easily turned in the narrow streets and alleys where much of the fuel oil has to be delivered.

Not only is the use of fuel oil increasing in the city but outside districts, notably the mining counties, are rapidly coming to appreciate the relative superiority of oil over wood and coal as fuel, and the number of mines now using oil is surprisingly large.

With the increase in the use of oil has come a corresponding increase in the price. The fifteen cent rate for oil in Bakersfield is now a thing of the past, and the oil company that cannot obtain a fair rate for its product must be either in exceedingly hard straits financially or else its oil must be of a very inferior quality.

The battle is won. Oil is in demand. Its price is increasing. Oil companies are stopping foolish competition. Dividends are in sight for holders of oil stocks, and every day sees the prospects brighter and the outlook more encouraging.

An Important Ruling

The ruling of the Visalia land office in a recent decision will have a bearing of considerable importance on the oil industry in new fields. When the oil excitement began, Waits, the plaintiff, in company with some others purchased a mineral filing on the NE ¼ of section 12, 29-27, with a view of prospecting the land for oil. At a later date the defendant Wells filed a homestead on the quarter and put up a house in which he and his wife lived. A little later material for a derrick was taken out by Waits and some other parties and this was succeeded by a shooting affair in which the homesteader wounded one of the mineral claimants, but was subsequently acquitted.

When the case came before the register of the Land Office, where it had been pending for many months, the official decided in favor of the homestead applicant, Wells, and against the mineral applicants. It is reported that an appeal will be made to the Commissioner of the Land Office at Washington.

THE MINING CONVENTION.

The Petroleum Industry Will Be Prominently Represented

The petroleum industry will be prominently represented in the big annual convention of the California Miners' Association which will convene in San Francisco for a three day's session on Monday next, the 21st inst. The California Petroleum Miners' Association, which affiliated with the larger organization last year, will be represented in the convention by the following delegates: M. H. de Young, W. A. Jacobs, J. M. Gleaves, Henry J. Crocker, Geo. X. Wendling, C. A. Canfield, Henry Ach, Dr. C. T. Deane, William Ellery, W. B. Winn.

M. H. de Young, president of the California Petroleum Miners' Association, is expected to deliver an address and Dr. Deane, the secretary, will present a paper giving a general review of the conditions, progress and prospects of the industry. The paper will be conservative, and the figures reliable and the paper will undoubtedly attract much attention.

The convention promises to be a very large one, composed of several hundred delegates from all parts of the state. Some of the matters that will come before the convention will have no direct interest to the petroleum men, as for instance, the matter of debris restraining dams and other phases of the issues affecting hydraulic mining, but other matters, including the continuing campaigns for a Cabinet department of mines, the passage of the mineral lands bill, proposed state legislation, etc., are of as much importance to the oil interests as to the gold miners and call for as cordial co-operation.

The California Miners' Association now completes the tenth year of its existence, with federated organizations in some sixteen or eighteen counties and with a total membership of about 10,000. Besides the regularly apportioned and elected delegates, all commercial and industrial bodies have been invited to send representatives and the convention will be broadly representative of the best character and intelligence and of the varied phases of the great mining industry of the state. Last year the petroleum industry was represented for the first time and it was cordially received into full recognition and affiliation. Its representatives will participate in the convention, not simply by courtesy but by right of full membership and unity of interest.

The fullest and best report of the convention proceedings having special reference to the oil industry will be found in the next issue of the PACIFIC OIL REPORTER.

RECLAMATION DISTRICTS.

Being Supplied with Fuel Oil from Kern County.

The five companies being managed by B. F. Woods are making extensive preparations to carry out the contracts lately secured for supplying fuel oil for the reclamation districts along the Sacramento and San Joaquin rivers.

The Californian says the scheme of reclaiming the land from the waters of the rivers necessitates constant pumping, and in this work the greatest drawbacks have been the scarcity of fuel and the expense placing it on the ground for the use of the pumping stations. Last July Mr. Brooks secured contracts for supplying the districts with liquid fuel and in furtherance of the terms of the contracts arrangements are being made that will facilitate the handling of the oil and conveying it to the points where it is needed.

At Antioch tanks for 2500 barrels capacity are in process of construction and will be filled from the oil cars.

A barge with a capacity of 2500 barrels is being built to convey the oil along the water courses to the places of consumption. Tanks have been erected on the banks of the levees to receive the oil from the barge. From 30,000 to 40,000 barrels will be used in the reclamation districts during the first year and at the same time the barge will convey oil to Mare Island and other points where contracts have been secured by the same companies.

Here then is an extension of the market of perhaps fifty thousand barrels a year secured by the direct effort of the companies interested. Without such effort undoubtedly the districts would be today still using wood without a thought of changing to the cheaper and more serviceable liquid fuel. The change was brought about by proper representation—by education, and it emphasizes the point the Californian has often contended that the market will not soon be widened to consume the supply without a united effort on the part of those most interested, the producers.

FAVORS OILED ROADS.

Vacaville Reporter Wants this System Adopted in Solano County.

The philosophy of an oiled road has been preached and practiced to an extent which justifies its universal adoption, where macadamizing can be done cheaply, and where it is desired to enjoy a good winter and summer road at a reasonable outlay. Of course there is only one perfect road. That is the most costly, and the most durable ever constructed. It is over roads of that character the Roman legions marched twenty centuries ago. On the same highway the products of the orchard and vineyard now make their daily journeys to the markets of Italy.

It seems curious that civilization which has learned so many lessons in the classics, has not yet learned to imitate the perfection of roads built on the Roman plan. We have spent enough to macadamize nearly every road in Solano county, without securing a mile of permanent highway. In recent years a beginning has been made in the construction of macadam. But within the limitations of cost permitting, we may improve the highways by the use of oil, until the time comes that the permanent roads of Rome traverse Solano county, or the cheaper macadam. Until that time comes let our pathways in summer and winter be smoothed by the use of oil.

California and Utah Oil Co.

An oil-drilling outfit will be shipped from California to the Green River oil fields some time next week by the California-Utah Oil company and prospecting will begin near Green River station about October 20th. The company was formed in June and at that time promised to commence active development this month.—Salt Lake Tribuue.

Must Be Pumped.

Just what oil men have been expecting is taking place in the Beaumont (Texas) field. The pressure of gas is becoming exhausted in consequence of the large number of wells drilled on Spindletop, and operators in the field are laying their plans for pumping, the great gushers having already exhausted a great portion of their force.

A Petroleum Company Satire.

"Munchausen Philosopher's Stone & Gull Creek Grand Consolidated Oil company, capital stock, $4,000,000 of 4,000 shares of $1,000,000 each; working capital, $37.50," was the head of a prospectus printed in Pittsburg in 1865 and was considered the greatest hit of the times. In 1865 there was as great excitement over the oil strikes as now, and as now there were all kinds of companies formed. The papers were full of the flowing offers of the wildcat companies, and the inducements offered the investor were in many instances as ludicrous as those of the Munchausen company.

John W. Pirtock, then a stationer and bookseller on Fifth avenue, and later the publisher of the Leader, was the man who wrote the prospectus of the Munchausen company, and it was he who sent them far and wide. They caused much merriment, and really were instrumental in opening the eyes of the people to the ridiculousness of the offers of some of the oil companies. Dividends were declared semi-annually, Sundays excepted, by the Munchausen company, and the prospectus said: "These wells do not flow on Sunday, which is abundant testimony of the high moral tone observed in the management of this company."

The officers of this enterprising concern were: S. W. Indle, president; R. Ascal, vice-president; D. Faulter, treasurer; S. Teal, secretary, and Oily Gammon, legal advisor. The board of directors includes such notables as Lemuel Gulliver, Baron Munchausen, M. Rabelais, Sir John Mandeville, Sindbad T. H. E. Sailor, and others.

The company was organized in the State of Verdancy, but there is no evidence that the directors were natives of that state. They are evidently men of moderate desires, however, as they sold the company its land at only 7,500 per cent more than they paid for it, a feat some present day directors have frequently surpassed. The territory included 753,000,000 acres in fee simple, and the exclusive right to bore on the 30th part of an acre on Gull creek. The river frontage was on Cheat river unlimited, and on Gull creek still larger.

"Every tract embraced in the schedule is free of 'royalty,' says the prospectus, "and the greater portion free of disloyalty, and it is more than confidently expected that prior to the end of the rebellion, or some other time, the divi dends instead of semi daily will be declared semi hourly, or more so, as the directors may find how their bank accounts stand.

"The lands of the company are easily accessable, and may be reached in a few years by a line of balloons recently established by the company. It is the earnest desire of the directors that all persons disposed to subscribe for stock shall visit and examine the lands themselves, as is the usual rule in oil companies, and they will be taken in, and go up in a balloon, without further charge, as this company has been established for the purpose of making money for the stockholders, and not for the originators of this great enterprise."

A well on the Munchausen tract was put down 16,000,011 feet, and the veins struck were very gratifying. Among them were: "Cooking Butter. For Higher Wages, XXX Ale, Mush and Milk, Cod Liver Oil, Billy Patterson, Quinine, Brigadier Generals, Sardines, Turtle Soup, Lottery Tickets, Bear's Oil, Substitute, Bounty Money, Peace Proposition, Lawyers, Brimstone, Milk of Human Kindness, and Oil a Leak."

Here are some extracts from the affidavits: "A vein of No. 6 lard, based upon a vein of shoemaker's wax, four and one-half feet thick." Government shoe contractors use this instead of glue in fastening the soles of army shoes. The next day a large vein of quinine. This is generally administered without charge to any of the stockholders seized with fever or shaky about the value of their shares. Some distance below we struck a vein of substitutes. Each one had his bounty money in his pocket with a certificate that he was a veteran and would not desert.

One week after the great oil vein was struck on this tract it threw out in the first five minutes, 89,073 barrels of the best refined oil, barrels painted green, with receipts for all taxes and the income tax of all using it throughout all future time. It has been increasing in quality and quantity ever since, doubling the yield every five minutes. Persons who visited the premises concur in declaring they 'never saw anything like it before, then, or since.'"

The prospectus describes the boring on Ananais and Sapphire tract as follows:

"Immediately succeeding was a vein of lawyers. This was an unfortunate strike and far from profitable. Upon being loaded safely, they contended that, as they were part of the land, they had a fee in it. Our learned legal adviser argued, upon the trial, that as they had not been in possession of the surface or soil for twenty-one years, they had no title; and, further, that as the vein immediately under them was brimestone, it was evident that they were more than half way down and should go to the other side. Our president, also of the legal profession, objected on the ground that there was enough of the fraternity for the good of the community without their presence.

"The judge decided in favor of both parties and advised a compromise. This was done in the usual manner. Two attorneys of the company took five-ninths and the other side five-ninths, leaving the balance of the property for the company."

In the Gulliver tract platinum, bismuth, native gold, corn starch, buckwheat, battle fishhooks, verdigris, pewter mugs, golden syrup, cobalt, pearl ash, hard boiled eggs, pond lily, turtle soup, lampblack and anti dyspeptic fluid rewarded the modest seekers after oil. The flow of oil itself made it necessary to purchase and drain Lake Superior for a reservoir.

To induce the get-rich-quickly people to send in money at once, the prospectus closed with this appeal.

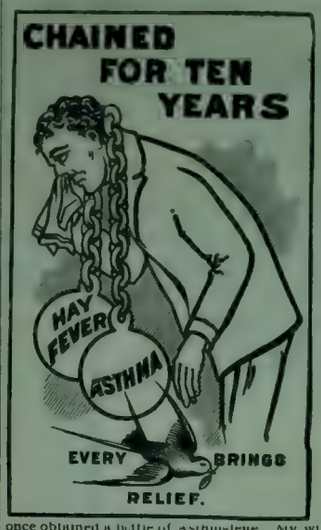
"There must be no delay in subscribing, as our estimable treasurer Mr. D. Faulter, Esq., is anxious to proceed at once to Europe or Australia, as his labors in behalf of the company have impaired his health. He will travel incog., as he wishes to avoid notoriety and see that no one deprives him of the money of the company.—Pittsburg Commercial Gazette.

ASTHMA CURE FREE

Asthmalene Brings Instant Relief and Permanent Cure in All Cases

SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

WRITE YOUR NAME AND ADDRESS PLAINLY



There is nothing like Asthmalene. It brings instant relief even in the worst cases. It cures when all else fails.

The REV. C. F. WELLS of Villa Ridge, Ill., says: 'Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
Rabbi of Cong Bnai Israel,
New York, Jan. 3, 1901.

Drs. Taft Bros'. Medicine Co.

Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,
REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.

Dr. Taft Bros. Medicine Co.

Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease, Yours respectfully,
O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.
Home address, 235 Rivington street. S. RAPHAEL, 67 East 129th street, City.

TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL

Do not delay. Write at once, addressing **DR. TAFT BROS'. MEDICINE CO.**, 79 East 130th Street, New York City.

To Investors

....THE....

Philippine-Oriental Commercial Company

Offers for a short time some of its capital stock, and calls attention to the following facts:

1. It is a commercial enterprise for the establishment of trading posts in the Philippine Islands.

2. The company will engage in transportation business.

3. It is under American control. Its incorporation under the laws of South Dakota insures the stockholders against personal liabilities for debts.

4. There is no promotion stock. Every dollar paid in goes into commerce and comes back in dividends.

5. Its management is in the hands of good business men.

For full particulars call at the company's office,

Room 44, Parrott Building

SAN FRANCISCO, CAL.

Telephone, South 492.

MAKING WATER GAS.

How the Process Is Carried On in Europe.

The development of water gas in Europe is briefly summarized in the "Mineral Industry" as follows:

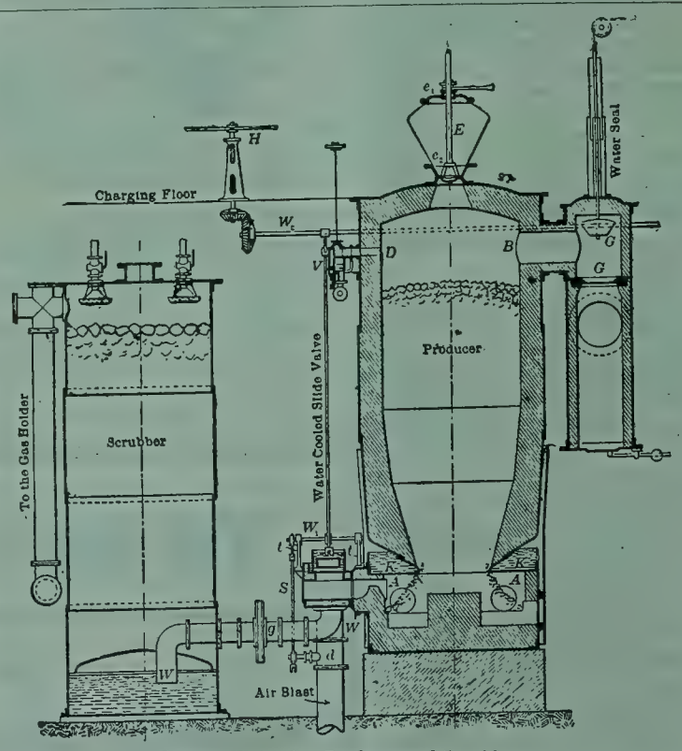
Before Lowe's patent had been issued, and while his system was still on its trial, many other inventors were occupied in the field. In America the processes of J. M. Sanders (1858), of Gwynne-Harris (1863), of Tessie du Motay (1873), and of Wilkinson (1876), represent this industry in Europe, and since 1860 those of Schaffe and Walker (1861), of Putsch, Westphal and Ziurek (1867), of Ruck (1871), of Livesey and Kidd (1878.)

The introduction of the Lowe process in Germany (German patent of Thaddeus S. C. Lowe and G. S. Dwight, No. 3515, of 1878), formed a new era, and the full development of the principle was attained by the passage of the gas, produced during the "blowing-up stage," through a superheater, where it was burned by air that was added, and by the subsequent use of the products of combustion for raising steam in a tubular boiler. The superheater is used to "fix" the naphtha vapors that are required to impart luminosity to the blue water gas.

The apparatus of M. H. Strong, which differs from that of Lowe and Dwight merely in the details of the various stages, was patented in Germany even before that of Lowe (No. 3178), although it has not attained prominence any more than the apparatus of H. C. Bull (German patent No. 12 576) which was followed soon after in 1880 by a patent, and although he did not have any prominent success in the direction in which he was personally interested it is undoubtedly due to him that growing interest was shown for water gas in Germany.

A decisive step toward the independent development of this industry in Germany was the taking up of the Lowe system by the firm of Schultz, Knaudt & Co. in Essen on the Rhur, which employed it in their iron rolling mills for welding corrugated plates. This operation requires an extraordinary strong heat and cannot be practically carried out by any other agent than water gas. One of the partners, Mr. A. Knaudt, constructed for this purpose special water cooling tuyeres (German patents No. 17,810 and 20,174 in 1881 and 1882), and at the same time by patent No. 18,719 he applied the principle of water cooling for the protection of the conical bottom of the generator where the greatest heat exists and where the brickwork is most exposed to destruction. Knaudt's patents were acquired by the "Europaische Wassergas Gesellschaft" of Dortmund, and Mr. E Blass, their chief engineer, perfected the process at the experimental station at Essen. One of the principal improvements consists of the automatic movements of the valves, which is required io change from steaming to blowing up and vice versa (German patent No. 35,943 of 1895).

In making the water gas the following operations have to be performed every few minutes: 1. During the blowing up the outlet valve into the chimney must be opened and the steam must be shut off from the generator. 2. When the steaming begins the outlet valve for the blue gas in the scrubber must be opened, the connection into the chimney and air blast valve must be closed, and the steam valve connected with the generator must be opened. 3. During the charging of fresh fuel both the steam valve and the air valve must remain shut, while the charging valve must be opened.



German Water Gas Producer and Scrubber.

All these movements must take place in a definite order, and any oversight in this respect will cause trouble or even explosions. It is consequently important to simplify the course of operations by an arrangement of the following description. The valves are all connected by means of a toothed gear, rods, etc., with a wheel, by the turning of which they are opened or shut in the required order. To set all the valves in the proper position for blowing up the wheel is turned one way; for gas making it is reversed.

The attendant simply turns the wheel at the proper time, whereby two valves are opened and two are shut in the order required by the operation.

A later patent of the Wassergas Gesellschaft (No. 36,431, 1895) endeavors to solve the question of using bituminous coal in the generator in place of anthracite or coke. For this purpose the blow up gas is burned in a recuperator, the heat is utilized for superheating steam, part of which serves for gas making in the usual way, while the other part is made to pass through fresh coal and to volatilize the bituminous substances. The gases and vapors thus produced are used either for ordinary illumination or of mixture with the steam in making the blue gas, and they act similarly to fixed carbon for this purpose. The principle of this invention seems to be sound, but it has not found any practical application up to the present time.

About 1885 the "German type" of water gas apparatus was fully developed. The generators were erected at Essen Hoerde, Wittkowitz and other places, and were especially intended for fuel of inferior quality. Fuel of this kind must be used in a somewhat high column to present a sufficiently long distance for the passage of the steam, an arrangement that requires a blast of correspondingly great pressure. It has been found most suitable to introduce the steam at the top and to make it pass downward through the fuel. It thereby travels in more regular channels and meets the fuel on its way in an increasingly hotter state, which renders its decomposition more complete. The blue gas is removed through the same place that the air blast enters. If the air valve is not perfectly tight air might find its way into the scrubber and the gas holder and together with the gas might cause a bad explosion. This contingency is avoided by a specially constructed water cooled slide S, as the temperature is very high where the valve is exposed. A throttle valve d below affords an additional security. If the slide faces are not perfectly tight a mixture of air and gas will be formed on reversing the currents which explodes out of the opening a without damage. The removal of the cinders is facilitated by the cooling ring K, from which they can be easily detached. This producer is intended to work with fuel that contains a large pr portion of ashes, a cone of fuel being formed below the cooling ring, which leaves a free angular space, A, into which the blast enters, and where it is very equally distributed. B is the outlet and C the valve for the Siemens gas made during the blowing up, D the steam tuyere, V the slide valve for steam, E the charging hopper with the slides E1 and the cover E2 The arrangement of standards t, shafts W1 and W2, handwheel H, etc., refer to the automatic reversal of the valves when changing from blowing up to steaming and vice versa, as previously mentioned. The pressures in the generator and scrubber must be regulated exactly. In the generator during the blowing up it is 400 mm. at bottom, 180 mm. at top; in the scrubber 120 mm. During the steaming in the generator the pressure at top is 700 mm, at the bottom 400 mm., and in the scrubber 250 mm.

THE PIPE LINE.

Rights of Way on the West Side Being Granted.

The Standard Oil company has a representative in the field obtaining rights of way for a pipe line from Bakersfield down the Valley to Point Richmond, the site for the refinery the great corporation is constructing at a cost of from $3,000,000 to $4,000,000. The pipe line will come down the West Side, following the railroad closely. It will be of 8-inch steel pipe, of the screw variety, and will be placed underground at a depth sufficient to be out of the way of agricultural operations. A telephone line will follow the pipe line. The field agent, Mr. H. G. Morrow, was in Tulare late last week, coming from the Newman and Crow's Landing quarter to see owners of West Side land along the desired line who reside in this quarter. As a rule, only a nominal consideration is asked for right of way, damage, if any, being guaranteed. Guy Kilburn, for instance, gave right of way, close to his fence, over 25 acres for $8, the representative giving a check for the sum on the spot.

British Invest in Oil.

English capitalists are concerting a plan to consolidate a large number of the weaker oil wells at Beaumont. They do not purchase "gushers," but prefer wells that respond freely as "pumpers." Dr. Fowler of Brownwood is promoting the plan for the Englishmen, who will invest $5,000,000 in Texas oil properties.

BIG OIL TANKS.

What the Standard Oil Company is Doing in Kern County.

Reports from a reliable source are to the effect that the Standard has merely begun with the work of tank building in the Kern River field, and that the next two years will witness greater activity about "Tank City" than has been seen there during the past twelve months. Eighteen tanks, with a capacity of 35,000 barrels each, have been constructed since the company invaded the field and seven more of the same capacity --the balance of the first installment—are yet to be completed. The contract calls for the completion of the additional tanks within the next year.

From the same source of information it is learned that the company has plans completed, and the contracts already let for sixty additional tanks of similar and larger capacity, and according to the terms of agreement the work is to be completed by January 1, 1903. The combined storage capacity of the tanks when completed will be very close to 3,000,000 barrels.

ORE INSTEAD OF COKE.

A New Method of Smelting Iron Ore.

A small smelter has been built in San Diego to demonstrate the practicability of a new method of smelting iron, copper and all other kinds of smelting ore which, if a success, will mean much to the miners, the oil producers and all other lines of industry in California. This smelter is to use oil as a fuel, entirely dispensing with coke. In the ordinary smelter coke is mixed with the ore, and the latter is thus heated by direct contact with the coke, and the latter has been considered a necessity in smelting not only because of the heat it generates, but because of its chemical action on the ore. The Los Angeles Herald says: With the new smelter the ore is to be roasted through radiated heat, and the inventor, a Mr. Trapp, has perfect confidence in its success, and has inspired a number of the San Diego people with a belief that he is about to make a revelation which will revolutionize smelting. Iron ore is now being brought from Lower California to demonstrate the efficiency of the new smelter, and arrangements are being made to secure a quantity of copper ore from Southern California mines.

It is expected that there will be a public demonstration of the work of the smelter during the latter part of this month.

Mr. Trapp is by no means the only student of heat who believes that oil will yet be used as a fuel in smelting, nor is he the only person who is working on the problem, and it is reasonable to presume that the day is not far distant when the ores of the southwest will be worked with the aid of the fuel which nature has so abundantly supplied in this section.

There is practically no end of the ore in Southern California, Arizona and Lower California which requires smelting, there being immense deposits of iron and copper, to say nothing of gold and other ores, and if it is once demonstrated that the iron and copper ore can be smelted with the aid of oil fuel, the Pacific Coast will become self-sustaining in a great many lines of industry in which it is now dependent on the east, while the demand for oil will suddenly take on such proportions that there will be no question of surplus production.

While San Diego people are behind the venture of Mr. Trapp, they can have no greater interest in the success of the demonstration of the practicability of his idea than have the people of Los Angeles and other towns of Southern California.

Oil For Manila.

A new avenue for the consumption of California Petroleum is being opened through a Los Angeles oil-burning invention. It is already being used on many locomotives on the Salt Lake route and in the northern part of the state, but its new field is in the new island possessions in the Pacific.

Best & Cooper of Los Angeles, the patentees, have just completed the shipment to Manila, of a complete 100-horsepower oil burning outfit for the United States Government printing office. The shipment included furnaces, boilers and everything required in the construction of the plant. The fire brick were from the California Sewer Pipe company of Los Angeles. The order came through a Washington firm, and the government reserved the right to order three more outfits on the same bid.

Messrs. Best and Cooper are now in correspondence with sugar manufacturers in Honolulu, with every prospect of closing a deal which will open another market for the consumption of fuel oil. The government is now shipping oil from San Francisco to supply the Manila plant.

OIL AS A FUEL.

To Be Tried by the B. & M. in the Hoosac Tunnel.

The Boston & Maine railroad company has determined to try the experiment of using oil-burning engines in the Hoosac tunnel on the Fitchburg division, in order, if possible, to obviate the smoke nuisance that has prevailed there, and is now equipping an engine for that purpose at the Keene shops. If the experiment proves what is hoped, other oil-burning engines will be coupled on at the tunnel approaches, the regulars running light, with clear fires, while the former do the work. This will be the first attempt to use fuel oil on an eastern railroad.

20c 20c

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Invest while stock is low in price and before development is too far progressed.

No reliable company can guarantee your money, no matter where their land is located, but risk is certainly minimized on our proven oil lands. We are completely surrounded by

LARGE PRODUCERS

within 50 to 500 yards on all sides. Half a mile from S. P. R. R. station in McKittrick District.

We own 80 acres in Coalinga, near famous 1000-barrel Home Oil gusher, and 160 acres adjoining Calistoga oil well in Napa County.

Derrick and outhouses erected. As soon as price of oil warrants two wells will be pushed to a finish.

STANDARD ROCK OIL COMPANY

475-476 Parrott Building

855 Market St, San Francisco, Cal.

TELEPHONE, SOUTH 488

Proven oil lands in Napa and Coalinga for sale cheap.

BUY CALIFORNIA OIL STOCKS

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Member of Producers' Oil Exchange.

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Orders for Buying and Selling California Oil Stocks Promptly Attended to.

Reliable information on Oil Stocks Furnished Gratis.

Unlisted Stocks a Specialty

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Reference—California Safe Deposit & Trust Co., San Francisco, Cal.

For sale cheap, 1000 (or less) shares "Diamond" Oil Co.

PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

COLUSA.

The Minor Oil company is awaiting the arrival of necessary supplies.

The Williams Oil company is reported to be down about 1000 feet, and is awaiting the arrival of casing.

The Herron Oil company on the Ingram land is now drilling and must be down between 200 and 300 feet.

The Bear Valley Oil company is down 600 feet and is waiting the arrival of nine and five-eighths inch casing.

The Colusa County Oil company on the Harlan lease, has developed a fine flow of pure water at a depth of 600 feet.

L. S. Butters & Co., having purchased the land and supplies of the Gibson Oil company, are now constructing a standard rig on the land and will soon commence drilling.

The Chehalis Oil company has been delayed a few days in consequence of the breaking of a stem A new stem has been sent to the ground and the work has been resumed.

FRESNO.

The Maine State pipe line will be finished in a few days.

Hanford No. 5 is in the sand with good showing of oil.

The Blue Diamond Oil company will resume operations in a few days.

The Zenith well is down 600 feet. A broken stem delayed work on this last well this week.

All of the producing wells of the Caribou Oil company will be put down to a greater depth.

The Philadelphia-San Francisco Oil company will soon have its rig up and ready to start spudding.

Oil City Petroleum No. 5 was not started last week as was reported, but expected to commence spudding early this week.

The California Oil Fields (Limited) has resumed work again after being shut down for several days on account of having no water.

J. W. Livermore is putting things in place and is arranging to commence drilling No. 1 of the Fresno-San Francisco Oil company.

J. E. Gray, contractor, began spudding in on the Obispo, which has a lease from the Monarch in Sunset last Saturday. The hole will be drilled as speedily as possible.

Hickey & Vizie, who are drilling the well for the "19" Oil company, have landed their eight-inch drive pipe and have lowered the six-inch.

The Monarch begun hauling oil to the Jewett & Blodgett refinery at Sunset Saturday. The company has its three large storage tanks full of its wells' production, all of which will be handled by the local refinery.

GLENN.

The Glenn County Oil company's drill penetrated a distance of twenty-five feet last week and as the well gets deeper the prospects become brighter.

I. P. Schei, representing the Gopher Mineral and Oil Development company of Bakersfield, has leased 160 acres of land near Stony Creek adjoining the Julian ranch, from Mrs. F. A. Graves; also 160 acres have been leased from W. P. Ray by the same party for a term of two years. One of the stipulations of the lease is that a well 1500 feet deep shall be put down on the Graves' land inside of twelve months. Mr. Schei is a Michigan oil land expert and has been in California many years studying the oil formations, and he is exceedingly pleased with the indications in Glenn county, and the prospects of the Houghton well north of Black Buttes.

HUMBOLDT.

The Union well in the Mattole district has been abandoned at a depth of 1100 feet.

Work on the erection of a new derrick for the Wild Goose company at Joel's Flat was commenced last week and early in the spring this company will start drilling a new hole further up the hill from the well that was sunk last season.

KERN.

The York syndicate, operating on 8, 28-28 struck a good well last Friday.

Superior has begun deepening its well No. 2 and will soon begin drilling Nos. 3 and 4.

The Barrett company is about ready to spud in for a new well on section 2, 11-24.

The material for Maricopia No. 3 has been placed on the company's holdings in Sunset.

The Midnight company expects to sink a second hole on its holdings, section 14, 29-28.

Colorado California, 35, 12 24, has its hole completed and expects to perforate its casing next week.

Kern Sunset on section 1, 11-24 has its first hole down 1050 feet and is now going through a prolific oil sand.

The Jewett & Blodgett refinery at Sunset which is running day and night is turning out a large amount of refined product.

Several new wells are to be drilled immediately on the W. P. Cunningham property in Sunset. The rigs and material will be placed on the ground as soon as possible.

The water which has been causing some trouble in well No. 17 on the W. P. Cunningham property has been shut off and the work of deepening the hole is again progressing.

Hart Crude is again pumping its No 2. The company has had no little amount of trouble getting this well in condition but now the hole has been cleaned and is producing a good stream of oil.

Maricopia No. 2 is down 300 feet with fourteen-inch casing on section 1, 11-24. The casing in No. 1 has been lowered through the oil sand and anchored. It will be perforated at once. The well is still flowing.

The Gopher Oil and Development company, which is a Minneapolis corporation, has listed forty acres of land in Sunset from the Highland Park Oil company on 28, 11-23. Work will commence as soon as the material, which has already been ordered, can be placed on the grounds.

LOS ANGELES.

The East Whittier Oil company has well No. 2 down 1250 feet with seven and five-eighths casing and a good hole.

The Whittier Oil and Development company is down 1150 feet with five and five-eighths casing and making good progress.

The Raymond Oil company is pumping its 2200-foot well on section 25, but is experiencing considerable difficulty with sand.

The Home Oil company is experiencing some trouble with its last well No. 13, but is making excellent progress in the work of deepening No. 10.

The Whittier-Fillmore company's crew that has been drilling on the Tubbs-Evans tract, has been doing some underreaming, but has its nine and five-eighths casing at the bottom of a 900-foot hole.

The Central Oil company's drillers have shut off the water in 29 at a depth of 1400 feet and are putting the hole down rapidly. Contractor McConnell, who is drilling Nos. 31 and 33, has been underreaming this week.

The Whittier Crude Oil company's No. 5, which is being drilled by Contractors S. H. and S. S. Frampton, is now down 1250 feet with nine and five-eighths casing, and Manager Charles Off says that the well will ultimately be drilled to a depth of 2000 feet. A good well is already assured. No. 1, which is being deepened, is down 1450 feet and going nicely.

At the present time the hopes of developing new territory in this field are centered on well No. 2, which is being drilled by the North Whittier Oil company. The hole is now down nearly 1100 feet and drilling has been resumed after putting in a string of five and five-eigths casing. When the well was started heavy ten and eight-inch drive-pipe was used to overcome the difficulties encountered in drilling through the conglomerate formation. The boulders have now been passed and there are good indications that furnish foundation for the belief that a producing well will be secured.

NAPA.

An oil derrick is being erected on the Gossling ranch, three miles south of Monticello, Napa county. Ten thousand dollars has been subscribed by residents.

SANTA CRUZ.

The Gilroy Oil company is erecting its oil derrick on the Whitehurst & Hodges tract of land, on the other side of the Santa Cruz mountains.

SOLANO.

The Dixon Oil company has changed its principal place of business from Sanger to Dixon. The majority of the Board of Directors are now residents of Dixon and the company is more nearly what the name implies, a Dixon company.

SAN BENITO.

Two carloads of lumber have arrived at Chittenden's consigned to the Watsonville Oil company. A new derrick will be constructed and the work of drilling a 2000 foot oil well will begin as soon as the preliminary arrangements are completed. The company is satisfied that there is oil on its tract and will bore until it is found in paying quantities.

SANTA BARBARA.

The San Luis Obispo Tribune says the big oil well on the Careaga ranch has got down to steady business—a continuous week's trial has demonstrated a regular product of 250 barrels per day by pumping and as soon as storage can be provided, which will be within a few days, that will be the steady output. Three more wells are to be put down at once. The company will have the largest continuous territory of any company in the state and beyond comparison the largest in point of yield and profit.

A. H. McKay, Superintendent of the Western Union Oil company last week said: "The well has been pumped steadily for the last six days, and has yielded an average of 250 barrels a day. Pumping, however, has been stopped on account of the lack of storage capacity, until such time as the oil already on hand can be shipped or otherwise disposed of." He has already made contracts for the delivery of oil to the sugar factory at Betteravia and the Pacific Coast Railroad company. Within ninety days the company will be ready to take contracts for the delivery of oil at this place. Three additional wells are to be commenced within the next thirty days. The company has closed a bargain with the Commercial Bank of San Luis Obispo for the 4400 acres of the "Los Flores" property, joining the Careaga ranch on the east. The price paid for this land is understood to be $15 per acre.

TULARE.

The La Mesa Chiquita Oil company started boring again last week with a full crew. Boring will be carried on day and night. The stop was made to make some necessary changes.

TEHAMA.

The well of the Corning Oil and Gas company is now down 1640 feet. The drill is still in hard formation and the oil seepage remains about the same. The new 2700 foot line has arrived and was hauled out Saturday. The length of the new line shows that the company m ans business and will keep going down.

VENTURA.

Well No. 15 in Tapo canyon is down about 1100 feet.

Alger & Gilmour on the Balcom ranch are down about 500 feet

The Skookum Oil company are drilling in their first well in Pole canyon.

The Chillicothe Oil company in the upper Ojai are down 700 feet in their first well.

The Whittier-Fillmore Oil company is down nearly 1000 feet with a well on the Tubbs-Evans lease.

The Aquilla Oil company will start two strings of tools soon on the old lease near Silverthread.

The Alexandria Oil company has a lease north of the Empire company (the old Loma field) and will commence drilling soon.

The Astarta in Astarta canyon has four rigs up and finished the second well under the new management two weeks since.

The Santa Paula Gravity company in Timber canyon is held up by an attachment levied by the Union Well Supply company.

The Sespe Crude Oil company is just starting to operate two miles below the Union Consolidated and below Devils Gate.

The Windsor which adjoins the Alexandria north of the Empire field abandoned the first hole and is down 700 feet in the second well.

Sixty acres adjoining the Balcom property near Bardsdale have been sold to Eastern parties. Still another sale in the vicinity is reported as virtually closed.

The Searchlight Oil company has just finished a bad fishing job. Two strings of tools were lost in the well and both have been secured after much diligent effort.

The Uncle John Oil company has levied an assessment of $10 a share on its capital stock. This company has its offices at Whittier. Its property however is near Saticoy in this county.

The California Consolidated Oil company has obtained a well good for about

twenty-five barrels, in the Big Sespe district. Fred Ward of Fillmore was the contracting driller.

The Lockwood Valley is the latest field for oil development. A recently incorporated company has hauled machinery, timber and provisions to the valley and will at once begin drilling.

Three companies, the Ferndale Oil company, Paxton Gold Bond company and Chicago Petroleum company each are starting a string of tools on the Ferndale Ranch, Santa Paula canyon field.

The Capital Crude Oil company is commencing to drill again on their Sisar canyon property after a suspension of operations for two years. The company has a number of good producing wells.

It is reported that one of the oil companies at Sespe struck a twenty-five barrel well the first of the week. The "find" is in a new territory and will surely lead to considerable new development.

The Pure Oil company recently completed a well that is said to be yielding a very fair quantity of 32 gravity oil. In the same corner of the field the Loma wells are going at a lively rate and the gravity of the product is given as 37.

The Northern Oil company owns a strip of land a mile in length north of the Capital Crude. A good road has been graded and President Ayers of Santa Barbara arrived last week to start drilling operations.

The Weldon Oil company's well near town is down 1300 feet and although indications have been good for striking oil, nothing has yet developed. The company intends to go down 2000 feet if necessary.

A large tract in Wheeler canyon has been leased by the Union Oil company to C. A. Burrows, manager of the Union's pipe lines. Work was begun last week on boarding houses and other necessaries and a rig will be up by next week.

The Union Consolidated Oil company has just struck a 25-barrel flow of oil. It is heavy oil and the hole will be drilled deeper when it is expected a lighter oil will be struck. The Union Consolidated is proving much new territory.

The Slocum Oil company operating in Santa Paula canyon, finished well No. 13 last week at a depth of 1300 feet. The wells are not large producers and the product goes into the Union's pipe line. This company has some very promising untested territory.

KERN.

The Silver Star Oil company which has been drilling in the McKittrick field has temporarily suspended operations. Oil indications are favorable.

The Yankee Girl Oil company, which has secured some of the most valuable oil land in Kern county, will soon commence development work on 8, 29-28, adjoining the land of the York Oil company which last week brought in one of the best wells in the Kern River district.

The Diamond Oil company, which is operating on 11, 29-21, has passed through five feet of oil sand which yielded oil of a light gravity. The drill is now in blue clay under which undoubtedly lies a thick stratum of oil sand. The drillers do not think it will be necessary to go down over 1200 feet before striking one of the best wells in the McKittrick field. Six inch drive pipe is now being used.

Big Oil Shipment.

Last Saturday 110 carloads of oil were shipped from the Kern field by the Southern Pacific company. This is equivalent to 16,500 barrels. Oil cars are getting very scarce as the output increases to meet the increased demand.

Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, October 16.

AZTEC.		
100 at	1 05	105 00
300 at	1 00	300 00
BEAR FLAG.		
1000 at	05	50 00
CALIFORNIA STANDARD.		
1100 at	22	242 00
CARIBOU.		
750 at	75	562 50
EL DORADO.		
100 at	40	40 00
GIANT.		
500 at	31	155 00
1500 at	30	450 00
HOME OIL.		
100 at	3 40	340 00
450 at	3 45	1552 50
HANFORD.		
5 at	107 00	535 00
4 at	105 00	420 00
7 at	106 00	742 00
INDEPENDENCE		
100 at	10	10 00
3000 at	09	270 00
600 at	08	48 00
JUNCTION.		
700 at	20	140 00
1900 at	19	361 00
10 at	21	21 00
7200(S90) at	18	1296 00
2000 at	18	360 00
KERN.		
50 at	5 50	275 00
KERN RIVER.		
100 at	7 00	700 00
120 at	7 50	900 00
LION.		
500 (B30)	09	45 00
3400 at	08	272 00
2000(S60)at	08	160 00
1000(B60)at	08	80 00
3000(S60)at	07	210 00
1000(S60)at	06	60 00
MONARCH OF ARIZONA.		
2200 at	22	484 00
1100 at	23	253 00
200(B30)at	23	46 00
2200 at	21	462 00
3900 at	20	780 00
McKITTRICK.		
100 at	16	16 00
MONTE CRISTO.		
250 at	1 65	412 50
25 at	1 55	38 75
OCCIDENTAL.		
250 at	38	95 00
200 at	37	74 00
OIL CITY PETROLEUM.		
1700 at	25	425 00
300 at	24	72 00
PEERLESS.		
70 at	5 25	367 50
500(B90)at	5 50	2750 00
580 at	5 12½	2972 50
250(B90)at	5 37½	1343 75
50(Cash)at	5 12½	256 25
100 at	5 00	500 00
PETROLEUM CENTER.		
100 at	06	6 00
REED CRUDE.		
600 at	31	186 00
2000 at	32	640 00
500 at	33	165 00
500 at	34	170 00
700 at	35	245 00
1000(S30)at	35	350 00
200 at	36	72 00
500 at	37	185 00
SAN JOAQUIN.		
280 at	8 00	2240 00
30 at	7 87½	296 25
SOVEREIGN.		
260 at	26	67 60
STERLING.		
500 at	1 40	700 00
300 at	1 37½	412 50
300 at	1 32½	397 50
TWENTY-EIGHT		
500 at	1 65	825 00
25 at	1 55	38 75
THIRTY-THREE.		
60 at	7 00	420 00
WOLVERINE.		
300(B30)	60	180 00
Shares	55,316	Amount $29,646.85

Another Kern Outlet.

Apparently ere long the oil output of Kern county will have outlets galore. On top of the positive statement that the Standard Oil company will build a pipe line to San Francisco Bay, comes the announcement, more or less emphatic, that the long talked of railroad between Bakersfield and the coast, running across the country, is to be built.

A few days ago, says the Whittier "News," James L. Crittenden of New York and San Francisco, passed through Los Angeles on his way to San Luis Obispo, where he expects to consummate the details relating to the construction of a railroad from Bakersfield to Port Harford, on the coast of San Luis Obispo county. In an interview, Mr. Crittenden thus expressed himself:

"This road will run from the Kern oil fields to Port Harford, and will, of course, be a great outlet for the oil and grain of the lower San Joaquin section. It will not be a 'poor man's road' in any sense, because from the time the first locomotive starts over the track it will have a string of freight cars to haul to tide water.

"Our plans at present are to secure some capital from the people most benefited. We have already $1,500,000 for construction work, and with $500,000 more will start work at once. The road will run from the Laguna Tache country in Kern county through Cuyama and Carissa plains, and the San Luis Valley to Port Harford. We will most likely absorb the Pacific Coast Railway company, and broaden it to standard gauge. We will have in all about 140 miles of track."

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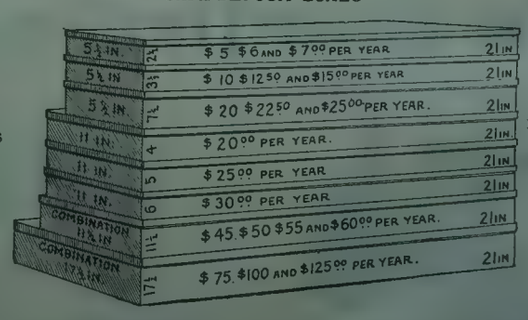

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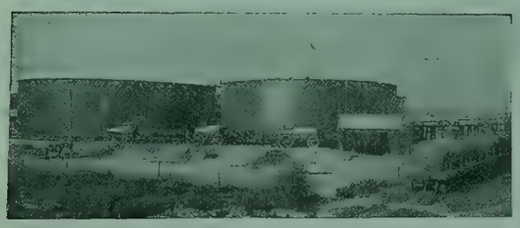

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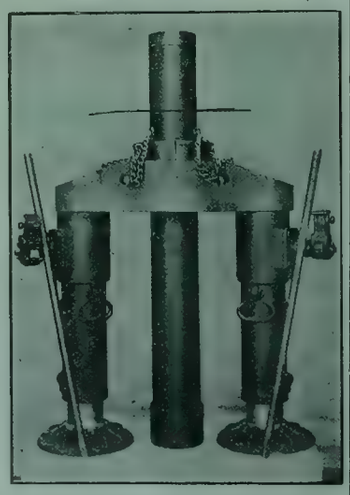

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PROFIT IN OIL.

Union Oil Company Declares Regular Quarterly Dividend of $1.35 a Share.

One sometimes hears the statement made by persons unacquanted with the actual conditions that money is not made in the production of oil so much as in the promotion of companies and the selling of oil land. This is contradicted by the experience of a large number of men in Los Angeles who have made good fortunes by the production of oil. While there are many illustrations of the profitable nature of the industry when conducted on legitimate lines, the regular dividends of the Union Oil company offer a particularly timely one. That company has just declared its regular quarterly dividend on its capitalization of $10,000,000. The Los Angeles Herald says: This dividend is for $1.35 a share of $100, which is 5 4 per cent on the face value of the stock a year, or 7.2 per cent on the market price, $75.

This dividend, moreover, does not represent the entire profit of the stockholders, for, in addition to meeting the operating expenses and dividends, the company is pursuing an active campaign of development on more than 100,000 acres of oil land which it has in reserve for the operations of many years to come, and thus the value of the stock is being steadily advanced.

While the Union Oil company thus presents a fine illustration of the actual earning power of the oil industry in California, there are many other companies which have done well, and many others have been gradually building up their plants to the profitable point during the last two years, while it can be expected that with the steady rise in the value of oil the number of companies paying dividends will increase rapidly.

It is believed that the cost of producing oil in Los Angeles, considering cost of drilling, interest, operating expenses and return of capital, is about sixty cents, and in the Kern River field about twenty-five cents, while the advantageous market price for fuel purposes in competition with coal is about $1 in Los Angeles and fifty cents in Kern River. The profit in oil when the market is in a normal condition is therefore about forty cents a barrel in Kern River, with the Kern River wells having an advantage in heavier production.

In those fields which produce lighter oils, more valuable for refining, the profit is still greater, as the price rises above that paid for fuel oil.

There have been times in the history of the oil industry in California when the price of oil has fallen to about the point of the cost of production, and one of those periods has continued now for a few months. This is the experience of almost every line of industry, but, taking the market price of oil for a series of years, it is evident that the industry must have been conducted at a good big profit on the whole. That another period of good times for the oil producers is almost at hand seems certain when the full situation is canvassed, and all indications point to the advance of oil to $1 in Los Angeles and fifty cents in Kern River by about the first of January next.

At Santa Paula.

The Los Angeles Times says: "Santa Paula's oil field has awakened, and already there is promise that the coming winter will record the highest mark yet attained in development work. Eastern capital is being attracted by the inducements offered, the latest evidence being the entry this week of a company organized in Hartford, Ct. The new organization, which will be known as the Hartford Oil company has recently acquired holdings of the Aquilla Oil company and expects to begin work at once under the direction of S. O. Wood, a well-known hydraulic mining engineer of this city. The property secured is in the heart of the Santa Paula field, and has as its neighbors many of the pioneers of that section. Messrs. Chapman & Mucklow of Hartford and Jason J. Shepard of Pasadena are the promoters of the company."

Other workers in the field are meeting with very fair success where efforts have been made the past summer. The Aquilla Oil company has been shut down for several months, but expects to begin drilling at an early date.

No Second-hand Material.

Second-hand rigs, old casing and other well supplies are becoming very scarce in Kern county owing to the general resumption of work in the various fields of the county. During the summer months when development work was at a standstill second-hand material could be secured at most any price, but this is no longer true. All of the old material and dozens of new outfits have been purchased and are now being utilized in the drilling of new wells.

Oil vs. Wood.

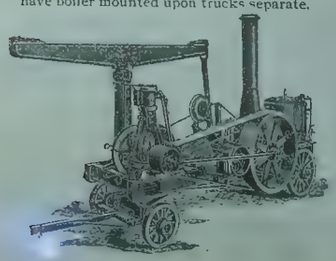
The use of oil as fuel has affected the wood market at San Jose, and prices are ruling lower than for several years past.

The Santa Fe.

The Santa Fe used 361 carloads of oil during September, as against 315 for the month previous. Those engines not burning oil are being converted as rapidly as possible.

The Star Drilling Machine

Cut shows boiler mounted upon frame of machine for oil and gas works. It is usually advisable to have boiler mounted upon trucks separate.



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Correspondence welcomed.

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Capital.....$150,000
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Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CUYAMA VALLEY OIL COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner. President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
Incorporated.
McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

FOREST CITY OIL COMPANY. Incorporated January, 1901. Capital, $500,000. Shares $1.00 each. Officers and directors: Nestor A Young, M D, president; George M Stevens, vice-president and general manager; Frank Records, secretary; Central Bank, treasurer; T L Ball and C C Carver. Stock full paid and non-assessable. Holdings are absolutely certain oil territory. Well No 1 completed and pumping. Offices, 229-231 Laughlin block, 315 South Broadway, Los Angeles, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock,
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

HECLA OIL COMPANY. Incorporated under the laws of Arizona, March 12, 1901. Stock absolutely non-assessable. Company owns 160 acres of choice oil land in the Sunset Oil district, Kern county, California. Capital stock, 1,000,000 shares; Par value $1.00 per share. Officers and directors: Dr F E Fletcher, president (connected with the Calumet & Hecla copper mines for 23 years); Capt John H Marshall, vice-president; Chas L Warfield, secretary, Perle M Johnson, treasurer; Patterson Sprigg, attorney. Office of the company, room 20, 1015 Fifth street, San Diego, California.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maltly, vice-president; J F Moore, secretary; D J Boughton, treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailtone, secretary; T. L, Moran, manager; Kern alley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland, Cal

OBISPO OIL COMPANY. Capital, $1,000,000. Number of shares, 1,000,000. Treasury stock, 550,000 shares. All stock fully paid and non-assessable. Incorporated under the laws of California. Properties in Kern, Fresno, San Benito and San Luis Obispo counties, Cal. Incorporators: G R Parkinson, President Bank of Palo Alto; Captain Frank Barrett, Palo Alto, Cal.; K W Brown, Fresno, Cal.; Chas E Bond, Minneapolis, Minn.; C F Alderson Chicago, Ill. Officers: John F Giles, president; Frank Barrett, vice president; Chas E Bond, treasurer; C F Alderson, secretary, K W Brown, assistant secretary. Office, Suite 74, Citizens Bank building, 119-121 La Salle street, Chicago, Ill.

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone. Jessie 1683.

POTOMAC OIL COMPANY. Capital stock, $2,850,000; Par value, $1.00. Has 2,000 acres in Kern, Los Angeles and Summerland fields, with 26 producing wells. Officers and directors: F V Schermerhorn, president; C H Ritchie, vice-president; R D Robinson, secretary and treasurer; D M Schermerhorn and W S Morton. Principal office, Potomac building, Los Angeles, Cal. Tel John 2281.

SALINAS OIL AND DEVELOPMENT COMPANY. Capital, $1,000,000. 1,000,000 shares at $1 00. Land in Monterey county. Officers and directors: President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J E Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco Office, room 573-574 Parrott building, San Francisco.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux, President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company. Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each
5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal.

USONA PETROLEUM COMPANY. Capital, $500,000. 500,000 shares at $1.00 each. Incorporated under the laws of California. Location 140 acres Midway district, Kern county, leased from Bay city, being 60 acres in N½ of NW¼ section 22, 32-23, and 80 acres S½ of SW¼, section 4, 32-23. Officers: Geo W Turner, president; Geo Hansbrow, vice-president; E N Sewell, secretary and treasurer; W R Stammers, manager; H W Merritt, J H Dorn, W W Hutchinson; Maurice V Samuels, attorney; Union Trust company, depository, Office, 301 Safe Deposit building, San Francisco.

WALDORF OIL AND ASPHALT COMPANY. Incorporated Feb 25, 1901. Capital, $500,000 500,000 shares at $1.00 per share. Place of business, Hanford, Cal. Headquarters at McCord & Son, Location of lands, 1, 2, 0, Guadalupe, Santa Barbara county, Cal. Officers and directors: Geo B McCord, president, Hanford; Dr N P Duncan, vice-president, Hanford; J O Hickman, treasurer, Hanford; Wm M Madden, attorney for company. San Francisco; W H Worswick, field superintendent. Hanford: F Brader, Hanford, N Weisbaum, Hanford, L S Chittenden, Hanford, W H Worswick, Jr, Hanford. Jas Manasse, secretary.

WILD GOOSE OIL COMPANY.
Capital.....$500,000
100,000 shares at $5.
Location: 820 acres in Humboldt county.
Officers: Claus Kroeger, president; A F Coffin, vice-president; H C Tilden, E L Dow, N H Eaton, L F Swain, secretary.
Office: 327 Pine street, San Francisco, Cal.
Telephone Main 671.

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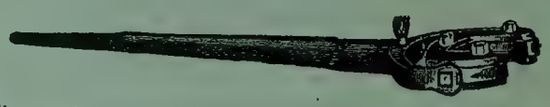

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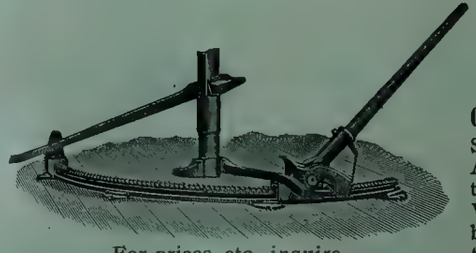

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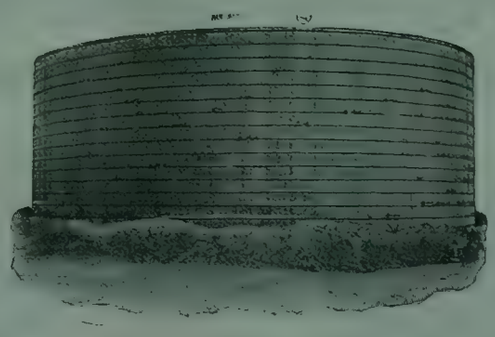

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400,000 Shares of Oil Stock

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Will Sell Cheap for Cash.

BOX 77,

McKittrick, Cal.

Dividend No. 1

Has been authorized to be declared November 15th, payable to the stockholders of the Ventura Consolidated Crude Oil Company.

This company has made surprising progress in the past four months. It now has three producing wells and work progressing on No 4. With 2720 acres of oil land and a rich gold mine in Arizona there can be no doubt of the present investment value of this stock. Limited amount of treasury stock now offered at 15 cents per share, par value, $1.00.—Full paid—Non-assessable. Agents wanted in every town. Address all orders for stock or further particulars to

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Catalogues, Estimates and Specifications furnished an application.

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SILVER STAR OIL COMPANY

Capital Stock 300,000 Shares **Par Value $1.00 per Share**

THE LAND OF THIS COMPANY comprises the SE quarter of the NW quarter of Section 28, Township 30 S., Range 22 E. This property is directly in line of production and within one-quarter of a mile of the famous Dabney wells, and land that cannot be purchased for less than $20,000 per acre, and only 1 mile from the S. P. R. R. station at McKittrick. Immense deposits of asphaltum are found on this land, as well as numerous seepages of oil and live oil sand on the surface. There can scarcely be a doubt as to the enormous value of this land, but the drill alone will tell.
WORK HAS COMMENCED Well No. 1 is now almost completed and is in oil.
FOR A SHORT TIME ONLY a limited quantity of stock in this company is offered at **25 CENTS PER SHARE.** Write for Prospectus to the

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VOLUME 2 NUMBER 51

PACIFIC OIL REPORTER

SAN FRANCISCO, CAL., FRIDAY, OCTOBER 25, 1901

The third edition of our little booklet has been received. You should write for one.

Don't You Think

We offer you a good opportunity for investment? Thousands have read our little booklet during the past 30 days and hundreds are placing their surplus cash with us because they have investigated and know we are safe, strong and progressive. They want to buy our stock at bedrock prices. **DO YOU?**

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Latest Kern County Maps Free

The PACIFIC OIL REPORTER has received from the publishers, Hall, Barlow & Austin, a large consignment of up-to-date, accurate, indexed maps of Kern County, Cal.

These maps show the location and holdings, wells, etc., of every company operating in the following districts:

Kern River Oil District
Sunset Oil District
Midway Oil District
McKittrick Oil District

These maps are published in pamphlet form and are properly indexed so that any one can find at a glance the location of any company desired.

We have purchased a large quantity of these maps and will present them free of charge to those who pay $2.50 in advance for one year's subscription to the PACIFIC OIL REPORTER.

The regular price of these maps is 50 cents each. They cost nothing to the subscribers of the PACIFIC OIL REPORTER.

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PACIFIC OIL REPORTER

318 PINE STREET, SAN FRANCISCO

Struck Oil South of the River

The Panorama has struck oil at 1185 feet in 14, 29-28, a mile and a half south of the Discovery well, in the Kern River District.

This strike has opened up an immense new territory. The oil is lighter and more valuable than the oil found north of the river, and the oil sand is more prolific.

I have several hundred acres of land south of the river near where the Wizard Oil Company is now down 1,057 feet, with every prospect of striking oil.

In order to prove this land I will sell

50 ACRES AT $100 PER ACRE.

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None but principals need apply. For particulars address

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Care of Pacific Oil Reporter
318 Pine Street, San Francisco.

PACIFIC OIL REPORTER

VOL. 2. NO. 51. SAN FRANCISCO, CAL., FRIDAY, OCTOBER 25, 1901. PRICE, TEN CENTS

A BRIGHT OUTLOOK.

Encouraging Prospects at the Oil Wells in Contra Costa County.

Rapid Progress Being Made by the National Paraffine Oil Company Now Drilling Near Lafayette.

Where will the next new oil field be discovered?

This question is asked repeatedly and is answered in as many ways as there are attempts being made to locate the precious fuel.

Of all the new fields where the drills are dropping none present better indications of oil or offer better inducements for the investment of capital than Contra Costa County.

View Showing General Location of National Paraffine Oil Company.

Oil seepages and the gas that accompanies petroleum abound. The geological surface conditions are such as to indicate the presence of oil at a reasonable depth. As the drill gets deeper the blue shale brought up by the sand pump is filled with broken shells, such as are found in other districts where oil has been found abundantly. In fact, any one who is an oil expert and who makes a careful examination of the district will express the opinion that a well rightly located, and with a plant properly equipped and wisely handled, will strike prolific and abundant oil sand at no great depth.

The writer has made several visits to the oil sections of Contra Costa county, but none afforded better satisfaction from an oil standpoint than that which he made last week with Mr. F. Chappellet, President of the National Paraffine Oil Company.

The ride is delightful. The roads are excellent. The scenery presented is grand and beautiful.

The way leads over the high hills back of Berkeley, and from the summit one gets a magnificent view of the bay, the Golden Gate, the cities of Oakland, Berkeley and Alameda, while across the bay San Francisco shines in the sunlight, its far-away hills dotted with the houses that are being built so rapidly in the ever-widening outskirts.

The summit once gained, the rest of the trip is quickly made.

At the bottom of the grade is the old Fish Ranch—a delightful spot for a week's outing, and presenting great attractions for the hunter, fisherman and camera fiend.

Beyond the road winds through a fertile valley where orchards and vineyards abound, and where the grain fields stretch out for miles, showing evidences of great fertility and heavy crops.

The valley is well wooded and the numerous streams contain water even at this season of the year.

After passing Lafayette the derrick of the Grand Pacific Oil Company is noticed. This company had the worst kind of luck. It has spent money enough to drill half a dozen wells, and the men behind the company have been honest and capable. But one thing after another happened to retard the work. The drillers claimed to have had experience, but they couldn't or rather didn't drill a well. The tools got lost and couldn't be recovered. The next well got crooked, and something was the matter all the time. A change of drillers seemed to make no difference in the luck, accidents continued to occur, and finally the work was abandoned. The rig is there with all the tools and it seems a pity another attempt could not be made. The oil indications on the surface are excellent, and as the drill went down the formations continued to be more and more satisfactory.

A mile or two further on is the rig of the National company. Steam was up and the drill was at work. Several tons of coal were sacked up at the engine house, and in front of the derrick were hundreds of feet of Boston casing. Everything worked smoothly. Superintendent J. Devost understands his business and his driller, Mr. William Hennege, handles the tools in a way that proves him to have had experience. Work has been progressing about five months, but the first four months of work were very unsatisfactory. Perhaps it was a case of bad luck, as was experienced by the Grand Pacific; perhaps it was inexperience or incompetency. No matter what the reason was the drill went into the well with provoking slowness and accidents continued to occur. A month ago a change of superintendent and driller was made and since then more progress has been made than in the months of previous work. About twenty-five feet a day are drilled and cased, the casing being loose in the hole and being moved without any trouble up or down. The drill is now in blue shale filled with shells, and the formation is as good as any oil man could desire. Last week there was much gas in the well, but this is now cased off. There has been no trouble with water. In fact water has to be turned into the well for drilling purposes. The rig is first class in every respect, and able to drill a hole 2000 feet if necessary, or even deeper. The well is now down over 750 feet, with 11⅝-inch casing. The drill has gone down over 200 feet in shale that is full of sea shells, deposited ages ago. This formation is, according to Mr. Cooper, the same as that encountered in the Western Union oil well in Santa Barbara County, which is now pumping over 250 barrels a day. Near the well are many evidences of sandstone, and in the creek near by is the gas referred to in Mr. Cooper's report. Mr. Devost, the superintendent and manager, is also a director in the company and gives his personal attention and care to the drilling. In a few days two shifts will be at work, when more rapid progress will be made.

The company has over 700 acres of patented land, and the railroad is only two miles away at Walnut Creek. If oil is struck a pipe line can easily be laid to tidewater, eight miles distant.

The report of the noted oil expert, Mr. A. S. Cooper, contains the following:

Rig of National Paraffine Oil Company.

SAN FRANCISCO, CAL., Sept. 30, 1900.

In compliance with your request I have spent two days in making an examination as to the existence of petroleum oil in the property owned by Messrs. Dore, Brown, Easton and Matson and being part of the rancho Boca de la Canada de Pinole, situated in the County of Contra Costa, State of California.

An anticlinal fold that extends through the property has a strike of about N 50° W and S 50° E. The top and axis of the anticline have been denuded forming the Reesley valley; the flanks of the anticline form the hills on each side of the valley. The strata in the flanks of the anticline have a dip corresponding to those shown on map and in the cross section. In California as well as elsewhere the anticlinal structure has an influence on the accumulation of petroleum oil. The strata composing an anticline have a tendency to convey the petroleum to the axis and upper part of an anticline; especially is this true when oil is floating upon water.

The axis of this anticline is also geologically much lower than the surround-

ing country. In California when a formation is bituminized the geologically lower sands usually contain more bitumen than those lying above them.

The formation consists principally of fine and coarse sandstone. Some of the sand beds are friable and are sufficiently porous to hold a large amount of oil, if present, while others are calcified and impervious, forming an encasement for the porous beds. Some of the strata frequently contain a large number of fossil shells.

It has been reported that some of those sands contain bitumen, but owing to the limited time at my disposal I did not make a careful examination in this direction.

Scattered throughout the property are a number of springs the waters of which are highly mineralized. Mineral waters nearly always accompany and are associated with bituminous deposits.

Mineral springs are found in California that contain no bitumens, but bituminous deposits are seldom if ever found that are not accompanied by mineral waters.

In many of these springs bubbles of natural gas are constantly ascending. In the mineral water spring northwest of the house of Dore natural gas occurs in notable quantities. When the water is boiled from the spring and an inverted funnel placed over the bottom of the same and the gas lit that issues from a half inch hole at the point of the funnel the gas burns with a luminous flame six inches in length. Although a slight odor of sulphureted hydrogen can be detected, the luminosity of the flame clearly shows that the larger portion of the gas is carbureted hydrogen which accompanies petroleum.

In consideration of the above geological conditions it is probable that petroleum oil may be obtained through wells drilled in this district.

As a suitable place for the location of a well to test this territory I would recommend that one be either bored near the springs on the Easton place, or near the spring on the Dore place, for the reason that all of these springs yield carbureted hydrogen (natural gas) and are situated near the axis of the anticline.

Respectfully, A. S. COOPER, M. E.

Mr. Cooper has seldom if ever been able to give a more favorable report as to probability of obtaining oil in an untried district, but there are writings in the book of nature, which while unintelligible to the average mind can be easily read by the trained geologist. That Mr. Cooper could give such a report furnished great encouragement to the directors of the company, and has also made it possible to obtain from the sale of stock the necessary funds for machinery and labor. The directors are well known and reliable men, Mr. Felix Chappellet, the president of the company, being one of the best known miners in the state, and Harold T. Power being at the head of the great Sunny South gold mine in Placer county. Mr. Power was also one of the Republican electors of California at the recent presidential election. The other directors are Chas. E. Cotton, F. K. Mott and J. Devost. Mr. Cotton of Cotton Bros. the well-known bridge-builders, is vice-president of the company, and Mr. F. K. Mott is at the head of a large hardware store of Oakland.

The prospects are now exceedingly bright, and if the rapid progress made the last five weeks continues the National Company expects to strike the oil sand in a very few weeks at a depth of about 1200 feet.

If this should be the case a new oil field will be developed and the National will be regarded as one of the most successful companies in the state.

MINERS' CONVENTION.

Due Attention Given the Petroleum Industry.

The annual convention of California Miners, which has been in session this week has attracted to San Francisco men from every mining district in the state.

Much important business was transacted and action was taken on matters of vital importance to the mining industry.

Due attention was paid to the oil mining industry, and the paper of Dr. C. T. Deane, Secretary of the California Petroleum Miners' Association was received with marked attention and approval.

The length of the paper and the lateness of the hour at which it was received prevents its publication in full. The following extracts, however, show its interest and value:

The fact that oil existed in California was established years ago. As far back as 1858 oil was produced from wells in Los Angeles and again, later in 1864 the discovery of seepages in other counties started an excitement which spread all over the state, but which did not last long. Until recently the movement in the industry has been spasmodic and to a large extent speculative, but little practical work having been done in the field.

We all remember when in the late 60's the fruit rotted on the ground, through the lack of facilities for transportation to a market, the pessimist cried on it "oh, the fruit business is over-done;" then grain growing was over done and later the gold mines had "petered" out. Now you hear on all sides that the oil business is a fraud, and that many of the companies are only wildcat concerns, floated for the purpose of wheedling money out of the pockets of the unwary, yet were the truth told, the surface of the ground has barely been scratched, while untold millions in mineral wealth await extracting, buried at present under lofty mountain peaks, or thousands of feet beneath the ground.

I do not suppose that any delegate to this convention can doubt that within the course of the next few years, the present annual gold yield of the state will be more than doubled; that the copper production now beginning to attract the attention of the world, will increase ten-fold, or that with the aid of the oil-burner, smelters will be at work turning out iron from the vast deposits of that metal, which until now have been unavailable, through the lack of a cheap fuel.

Development work at different points has determined the existence of well a defined oil belt, stretching the entire length of the state, from Siskiyou to San Diego. It has been traced beyond our boundaries both north and south. From this wide belt spurs branch out towards the coast, as instanced, the Summerland wells in the ocean, and the recent gusher in the northern portion of Santa Barbara county close to the sea.

While along this belt for eight hundred miles only patches have been developed, here and there to any extent, oil seepages are in evidence of a deposit, whether in paying quantities or not, the drill alone can tell. Some of the districts now in course of development produce an oil of 30 gravity, while others go as low as 14. It is all, however, so far as we know, valuable even in its crude condition for either fuel or refining, and unlike the Texas oil, free from sulphur.

The people of California have as yet little conception of the vast change that the discovery of oil is about to effect upon the future of the State. There is nothing now to prevent us entering into manufacturing competition with the Atlantic States, for oil at $1 a barrel is as cheap as coal at $3.50 per ton. Then we have a climate, particularly around the Bay of San Francisco, which is capable of bringing forth the very best efforts of the laborer every day in the year. There is no withering cold or blistering heat to exhaust and take the heart out of a man while at work, but instead is the gentle wind from the Pacific Ocean, exhilarating and stimulating in its influence in the highest degree. I have no hesitation in ascribing the great superiority of the world-famed battleship Oregon to the benign effect of the climate of San Francisco on the muscle and brains of the men who built her.

It does not require any prophetic eye to see in the near future the shores of this great bay dotted with factories run by oil, railroads and steamboats carrying the completed material and the the produce of farm and orchard propelled by oil, and the great ocean liners wending their way out of the Golden Gate across the broad Pacific with oil as a fuel. Throughout the State we will find the county roads smooth and free from dust by the application of oil, a sample of which may be seen by a visit to our beautiful Golden Gate Park. The housewife will use oil in her cooking stove and at the same time the railroad will absorb the new fuel exclusively in their thousands of locomotives.

As to the duration of supply the history of the industry teaches that a good 50-barrel well will last with but a slight falling off for many years. Of course, the depth of the oil sand cuts a large figure in estimating the life of a well.

The supply of oil available is not represented by any means by the present monthly yield, the output being checked by price and transportation facilities. However, it is now certain that during the next year at least one pipe line, and perhaps two, will connect the Kern River district with tidewater. The cost of such a line is estimated at $3,000,000, not at all a large sum when taking into consideration the value of the properties involved. One hundred millions is a modest estimate of the oil lands of California today, not taking into account the immense value of improvements in the way of wells, machinery, pipe lines, tankage, etc.

In regard to the yield of oil at the present time the Kern River field is represented by 447 producing wells, averaging 60 barrels of oil per day each, or 26,820 barrels per day, or 804,600 barrels per month. In the Sunset district there are 50 wells, with an average production of 70,000 barrels per month. The wells in this district have been largely sunk for the purpose of developing the land. Those that have gone to a depth of 700 feet or more have proved very large producers, and we are very much mistaken if this district does not astonish the oil experts before many months expire. The yield of the Coalinga field has an average of 300,000 barrels per month. The McKittrick output for September was over 300,000 barrels, which is a fair average. The Los Angeles field has an average of 95,000 barrels per month, with tankage for 1,000,000 barrels. W. L. Watts' estimate for the total output for this year is 7,000,000 barrels. Colonel M. M. Ogden estimates the yield for the year at 7,500,000 barrels. I believe that both these estimates are a little too conservative, and the probabilities are that we will double last year's production, which was about 4,000,000 barrels.

For the month of September the Southern Pacific and Santa Fe moved out of the Kern River, McKittrick and Coalinga districts, a total of 359,000 barrels of oil.

Next in order to adequate transportation comes the necessity of tankage facilities, the construction of which is most important to producer and consumer. There is room in San Francisco for a large company of this kind, and I understand one is about to be formed in the near future. We must have tanks holding at least a million gallons of oil on the water front, if we expect, which we do, the steam vessel to use it.

The reason the railroads have not used oil exclusively, is the necessity of erecting tanks along all their lines, where they now have coal bunkers. In time when this work is accomplished the companies will all use oil to the exclusion of wood and coal, not only in their locomotives, in all their shops, and repair crews, but also along the tracks to lay the dust, so that future railroad travel will be a real pleasure, no dust, no cinders, but smooth roads, luxurious cars, well lighted with gas made from oil. From this you can see what a prominent part the California infant industry of today is to take in the modern equipment of railroads. This is but a solitary instance of its many uses.

Afloat in the steamship service oil will also prove a prominent factor. I have just received assurances from the very highest authority that before many months have passed there will be established here a line of tank steamers to carry oil, and in addition to this we are informed that at least one line of freight steamers from this port are having their ballast tanks overhauled and reinforced in order to carry oil in any quantity to every "port of call" made by them. These tank steamers will use oil for fuel entirely and this will undoubtedly be followed by the introduction of oil on many of the present sea craft as a means of propulsion. It will mean a large economy in running expenses.

A 4000 ton steamer uses about 25 to 30 tons of coal a day, a heavy outlay which will be reduced by 50 per cent nearly by the introduction of oil; moreover, it does not follow because a vessel uses oil, she should not also use coal in case of necessity. In a recent experimental test in the North Sea off the coast of England, a steamer running at the rate of ten knots an hour, changed while in motion from oil to coal in 23 minutes, without any interference with her headway, while making

the alteration. Another point in the new fuel is the short space of time involved in renewing the supply. While it takes an average of two days to coal a ship, it will only require a few hours to take on oil, securing a more speedy dispatch.

Notwithstanding the increased demand for power for manufacturing purposes, and the greatly increased number of steamers leaving this port during the last year, coal importations have fallen off 15 per cent. The local consumption, it might be added, is likely to be largely increased when the police enforce the smoke ordinance, already passed by the Board of Supervisors. We can see already a vast improvement in the cleanliness of the city. The California Petroleum Miners' Association proposes to see that this ordinance is carried out as one of the reasons for its existence. In addition to the large quantity of oil consumed in manufacturing, the railroads will utilize during the present year over four million barrels of oil. The Southern Pacific has over three hundred locomotives in service, the Santa Fe over two hundred in this state, and the other railroads operating in this state about one hundred. A locomotive will use from twenty five to thirty barrels of oil per day when in service, so that the demand from this source alone is quite an important factor in the annual consumption.

At present there are only eleven refineries in this state, and their capacity is about one and a half million barrels per annum.

A conservative estimate of the requirements of crude oil outside the refineries in San Francisco, and immediately about the bay, is over two million barrels per year. Including the railroads and refineries throughout the state, the aggregate consumption of oil this year will be over seven million barrels.

During the past year the price of oil has been controlled, as all commodities must be, by supply and demand; the yield so exceeded the consumption at the time, that the price at the well fell as low as twenty cents a barrel. The necessity of many of the companies who held their lands on leases, compelling them to pay royalties of from 12 to 50 per cent, and also compelling them to sink a certain number of wells within a given time necessitated the sale of oil to obtain the necessary funds with which to continue work. This unfortunate condition of affairs can only be ascribed to the first wild rush of thousands of people when the boom took place in the oil lands. This, however, is only a temporary condition, and the change from coal to oil for steam purposes is going on as rapidly as business conditions will warrant. Wiser heads are now in control and a combination of interests is being effected which will remove the cause that in the past has clogged the way to success.

In Los Angeles an association controls the output of that field, and more recently a powerful organization with a capital of forty millions has been formed to handle the output of the Kern River and McKittrick districts, on a basis which will prove remunerative to property owners. Already 80 per cent of the producers there have signed an agreement and it is only a question of time when others will realize that it will be to their interests to join the combination also. If they should conclude, however, to remain out it will have little bearing on the general result.

As to the non-producing districts I have little to say. Contra Costa, Colusa, Santa Cruz and San Benito have many heavy seepages and no doubt exists in the minds of those interested but that great bodies of oil will be found in these districts and of a higher gravity, but, as I said in another portion of this paper, the drill is the only true expert, and perhaps next year the gentleman who will read to this convention the oil paper may have three or four new districts to report on. There is one thing certain about the future of oil, and that is that the producer will never again catch the consumer, for the consumption of oil will increase faster than new fields can be brought in. The outlook for the oil industry was never as bright as it is to-day.

It only remains for me to remind you that the figures and estimates here used are reliable and conservative. The California Petroleum Miners' Association feel that in making a statement quasi public in character that above all things mis statements and exaggerations should be avoided. On this account I have been particularly careful in collating information and figures that would be free from bias, or that would reflect individual interest. We desire to be free from any suspicion of attempting to "boom" an industry which is fully able to stand on its own merit.

Whittier's Capacity.

Considerable interest was created among the oil producers at Whittier, last week, by the application of the Union Oil company for bids on from 5,000 to 7,000 barrels per month of 18 gravity oil to be delivered on the siding of the Southern California Refinery company. The News says: All companies there with sufficient production to fill the contract, submitted bids and the matter caused considerable curiosity. Several Whittier companies produce oil in sufficient quantities and of the required gravity, in fact the larger portion of the oil pumped from the wells in the Puente hills, this side of the San Gabriel River would meet the gravity test. It is safe to say that at least 50,000 barrels of oil is produced here each month, apportioned approximately among the different companies as follows: Central, 15,000; Murphy, 9,000; Home, 8,000; Warner, 7,000; Turner, 4,000; Whittier Crude, 2,000; Fidelity, 1,000; Clarendon Heights, 250; North Whittier, 400. These figures are only approximate, as some of the companies, the Murphy for instance, are not at present producing to their full capacity, and the North Whittier Oil company is storing no oil from its first well, which was put on the pump some months ago.

Oil the Roads.

From every county in the state the demand for the use of oil on the roads is increasing. The latest is from Stanislaus and Sacramento counties, The Modesto Herald says Supervisor Clary expects the carload of oil donated by a Kern county company to reach Newman on Monday and is preparing to apply it on a stretch of dusty road commencing at Kernahan's stable, Newman, and leading west. He will grade the stretch and take such other preliminary measures as the oil company's representative suggests, proposing to make as fair a test of the utility of oil in this connection as the season and other conditions will permit. The oil will be applied cold, from a sprinkling wagon fitted with a sprinkler provided for the service. Supervisor Clary is much interested in the experiment and tells us that his fellow-citizens of the Newman quarter share his interest.

The Sacramento Record-Union says a movement is on foot among the property owners residing along the Folsom road between this city and Natoma to co-operate with the board of Supervisors in preparing and sprinkling with oil the road between the points named.

The opinion prevails among the parties interested in the movement that oil sprinkling will be an unqualified success. Besides Supervisor Brooke, Mrs. E. Shields, A. B. Humphrey, R. D. Studarus and others are booming the co-operative proposition along

It is intended to call a meeting in two or three weeks, at which steps will be taken to organize and determine what course to pursue to assist the county in placing the road in first-class condition.

More Pipe Line Talk.

It is announced that the Standard is about to lay a pipe line from Tank City to the field, crossing sections 31 and 30 and extending to 29, with branch lines to different parts of the field, thus paralleling at times the lines owned by companies which it is expected will enter the combine. This, says the Californian, would make it appear as though the Standard and Associated Oil companies were not working together and it is another evidence, it is thought by many, that the Standard intends to control the Kern field, irrespective of the combine or combines.

Work on the Gosford refinery is progressing favorably and it is now expected that the works will be in operation by January 1st. The Webster Iron Works has the contract for installing the machinery. There is a possibility that an eight-inch pipe line will be laid to the refinery from the Kern River field. It is generally believed, having been hinted at by Standard Oil representatives, that water will be used to modify the Kern Crude oil to a condition permitting its transportation by pipe to the Point Richmond refinery, but it is stated the Gosford people will not adopt this method. It is believed that distillates will be used to thin the oil so that it may be piped.

WANTED.

Some party having well rig capable of boring 500 to 1200 feet to bore one or two wells in Contra Costa county, California, Work to commence about January 12, 1902. For further detail address 41, Hammond Bldg., Detroit, Michigan.

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Looking Better

The oil prospect continues to brighten. Those interested in the Kern county oil combine say the scheme is rapidly perfecting itself, and that a few weeks will see the proposed arrangement completely effected.

Whether or no this be true or not, or whether or no the proposed combine has had any effect in stiffening prices the fact remains that the low rates prevalent a month ago are things of the past, and no more oil is being sold at the 15 or 20 cent rate.

This is at it should be. There was no reason for the low rates. The demand for oil is increasing very rapidly. In a few months the present supply will be entirely inadequate to the demand, and the product of the new wells now being opened up will have to be utilized.

South of Tehachapi conditions are equally favorable, and it is likely that by the end of the week an arrangement will be made which will have a good effect on the price of oil.

Texas and California

There was a time a few weeks ago when California oil men were afraid the big oil wells in Texas would interfere greatly with the success of California's oil industry.

That feeling of distrust has entirely passed. Two things are now evident, the first being that the life of the Texas wells is exceedingly short, it being necessary to pump the wells as soon as the gas deposit is exhausted; second, the Texas oil is of an inferior quality. For fuel purposes it does not begin to equal the California oil, one barrel of which will equal two of the Texas oil for fuel purposes. California need not fear competion from Texas. On the other hand the proved superiority of our product, the long life of our wells, the advantage of having a large local market, the distance of the Texas field, these and other conditions tend to increase rather than decrease the price of California oil.

Thanks, Awfully

In a recent issue the PACIFIC OIL REPORTER published an exclusive account of the pipe line to be built from Kern county to the bay.

In order to spread the news quickly a proof of the article was given to the Associated Press which sent it to all the papers published in the oil districts in the state.

This has always been the custom of the PACIFIC OIL REPORTER, which owes much to the interior press for the oil information contained in their columns, but which endeavors to reciprocate when opportunity offers.

In commenting on the pipe line the Bakersfield Californian says:

The project of the Standard Oil company to build a pipe line from Bakersfield to tide water was first given publicity by the "Californian" on Thursday last. It was exclusive news, the PACIFIC OIL REPORTER being the only other paper that had the enterprise to investigate on its own line and give the facts. Yesterday the Associated Press sent out the news and the papers of the state gave the important item not a little attention.

Oil For the Orient

California ought to be exporting immense quantities of refined oil to Japan. It is being done from the East. Why not from Pacific Coast?

The British ship Palgrave a few days ago sailed from Philadelphia for Japan with 130,000 cases of refined petroleum. At the same time there were loading or under charter to load for the land of the Mikado sixteen vessels, all to carry cargoes of refined petroleum, amounting in all to 1,417,000 cases, which with the cargo of the Palgrave will amount to 15,470,000 gallons.

It is no wonder our California refineries are anxiously awaiting new and large discoveries of refinable petroleum. The Pacific Coast Oil company needs five times the amount it is now handling. The same with the Union Oil company.

Fuel oil is all right, and will bring untold wealth to this state. Refining oil will bring even more wealth.

Vast fortunes await those who can strike big wells of refining oil.

The oil men in the new districts such as Contra Costa, San Mateo, Sargents, Colusa, Glenn, Humboldt, Solano, etc., should realize the demand that exists for an oil with a paraffine base and should continue drilling for the oil that is known to exist in these districts until it is found.

California should be supplying oil to the Orient, and will be supplying it as the successful competitor of the East as soon as the proper oil is discovered.

Hot Air

In the next issue of Clara Foltz' oil magazine, published in behalf of a few oil companies in which she is interested, we may expect to see an article which will severely score the "Mining and Engineering Review."

It is always bad to offend a woman, because when the fair sex get real mad they never will quit talking.

Mrs. Foltz is not only a good talker, second only perhaps to Colonel Crane, but is also the editor of a little monthly magazine called, "Oil Fields and Furnaces," and she can write as well as talk.

We shall be greatly mistaken if "Clara" does not get get back at "Fitz" with all the scorn, indignation, etc., that is kept on tap in the Shortridge family. If she does not feel equal to doing the subject justice herself she can call on Brother Charles and Brother Sam, and between the three Mr. "Fitz" will have to hunt his hole and pull it in after him.

The article which raised the ire of Mrs. Foltz is as follows:

The "oil papers" which boomed and flourished like a mushroom when fake oil companies were willing to pay for lying statements which reputable papers refused to publish, seem to have disappeared with the fugitive fakirs. "The Daily Oil Journal," the "Daily Oil News," the Western Oil News" and "Industry" all have floated in as wrecks to the journalistic boneyard, far enough removed from business quarters so that the stench arising from their decaying hulks may not offend the nostrils of honest men. There is yet another derelict afloat, and we look for it at any time to be destroyed by the nauseous fumes of its fulsome praise of rogues, and to be consumed by the flames of its own "Furnaces."

An Immense Oil Field

No state in the Union, and no oil district in foreign lands, has such an extensive oil era as California. From San Diego, the most southern county in the state, the oil sand is found clear to Humboldt, the extreme northern county. The oil belt is not only nearly 1,000 miles long, from north to south, but it is wide, and its width is extending weekly as new wells are opened up.

This is not the case elsewhere. The Beaumont field in Texas which is now so much talked about on account of the gushers that have been struck is included in an area of not to exceed 100 acres and today one can almost step from one derrick to the other throughout the entire field. Fifty feet outside this circumscribed area no wells have been successfully drilled. The gas pressure in these wells is steadily lessening, and it can be only a matter of months if not weeks before these wells will have to be put on the pump.

In California the oil districts comprise not hundreds but thousands of acres. Our wells do not produce 50,000 barrels a day, but will in districts such as the Kern River average 250 barrels a day, and while there is no great amount of gas the wells contain as high as 450 feet of prolific oil sand. The more the wells are pumped and freed from sand the larger is the production. It will be years instead of months before the output of these wells shows any decrease. There are wells in Ventura county that were opened fifteen years ago that are today yielding as heavily as they did when first opened.

Considering then the size of the oil area of California, and the thickness of the oil sands, we can readily believe that within four or five years California will rank as the largest oil producing district in the United States, if not in the world.

An Asphalt Shipment.

A very practical illustration of the increasing importance of the oil industry, in so far as it affects local business conditions, was afforded the other day when a trainload of asphalt pulled out over the Santa Fe tracks, en route to northern points for export.

This shipment, says the Los Angeles Herald, was made by the Hercules Oil Producing company's refinery, whose works are at the junction of Joy street and the Santa Fe track. The train was made up of fourteen carloads of asphalt refined from the local oil product, and was the first consignment on a large contract held by the company.

Russian Gushers Declining.

In a recent number of the Narodnoe Chozaistve there is a lengthy article, by Mr. Kupalov, on the subject of the exhaustion of the Baku oil fields. It is full of calculations and deductions, and his chief aim seems to be the establishment of the fact that, the optimistic prophecies of experts and surveyors notwithstanding, there is evidence of a striking exhaustion of the oil resources of the Apscheron Peninsula. He declares that the production of fountain oil is getting beautifully less; the productivity of the wells and their length of life are constantly decreasing, while their depth is on the increase. The exploration of new "alleged petroliferous" lands outside of the Baku and Grosny regions are, he thinks, in the majority of instances, failures.—O. P. & D. Review.

HE FLOPPED.

Railroad Commissioner Edson Changes His Mind.

Some dark and mysteri us influence has been at work on Railroad Commissioner Edson which has caused him to retract his opinion in regard to compelling the railroad company to lower the transportatian rates on oil. A few days ago he and Commissioner Laumeister voted to reduce the rates. On Wednesday, at a special meeting called for the purpose, Commissioners Edson and Blackstock being present, Edson changed front entirely.

Edson read a petition of the Southern Pacific company which set forth with much legal verbiage a declaration that the decision of the board was contrary to law and an infringement on the constitutional rights of the railroad. It was pointed out that the uncontradicted testimony of General Manager Kruttschnitt showed that the existing rate of 42 cents a barrel on oil was not more than sufficient to cover the actual cost of transportation, and that any reduction in the rate would subject the company to great loss. There was a similar petition from the Santa Fe, but it was not read. Apparently confident of the course that would be pursued by the Commission, neither of the defendant corporations deemed it necessary to be represented at the meeting, and the programme was carried out without a word of protest or argument.

"I think the case ought to be reheard," said Com nissioner Blackstock when Chairman Edson had concluded the reading of the Southern Pacific's petition. Blackstock was the lone member who opposed the reduction of the rate when the case was decided recently.

"I also think the case ought to be reheard, because I think the plaintiffs ought to be given an opportunity to present further testimony," added Chairmon Ed son. Just why the plaintiffs need an opportunity to present further testimony in a case which they had won was not made very clear, and Commissioner Blackstock could hardly repress a smile at the unscious humor of the member from Siskiyou.

With the sentiments of the two members thus clearly defined Commissioner Blackstock produced a resolution that had been prepared beforehand, vacating the recent order of the Board and ordering a rehearing of the case, which was promptly adopted. The Board fixed November 12th at 2 P. M. as the time for the taking of further testimony in the case, and without further ceremony the Board adjourned.

OIL RESOLUTIONS.

Resolutions Passed By Recent Miners' Convention.

The following resolutions relating to the oil industry were passed this week at the State Convention of California Miners:

Resolved, That we deem it the duty of this convention to place itself on record in favor of liberal encouragement and protection to all legitimate mining interests, and pledge ourselves to assist in every reasonable manner any and all legislation, state or national, which is calculated to remedy existing wrongs. We recognize the gross injustice of permitting that class of land pirates which, by claiming land to be suited for agricultural purposes that is manifestly and essentially unfit for any uses except mining, to attempt to wrest from purchasers of state lands their reorganized equitable rights, and through perjury and distorted interpretation of the land laws of the state to place serious obstacles in the way of large investments of money and important oil developments.

Resolved, That this association again express its deep satisfaction at the justice of the policy and action of the Commissioner of the General Land Office, Binger Hermann, in his suspension from agricultural entry of a large area of probable oil lands in this state pending an impartial investigation of their mineral or non mineral character, thereby preserving to the oil miners the mining rights which are theirs by both the letter and the spirit of the laws.

Resolved, That our Congressional delegation be and is hereby requested to use all honorable means to have enacted a law by which the location of petroleum placer claims might be so regulated as to secure to the locator the right to locate not to exceed 160 acres and give him an opportunity to make technical "discovery" of mineral as precedent to location. A measure of this nature is demanded by the peculiar conditions of the petroleum industry and is necessary to give effect to the spirit and intent of the mining laws, and would be a wise adap'ation to oil development of the tunnel site law, and would work no injury to any legitimate industry.

Resolved, That the problem of remedying the criminal abuses of the land and mining laws of the nation by the wholesale attempts to secure as agricultural lands, by the use of so-called scrip and otherwise, great tracts of the public domain that are unquestionably mineral in character and which are recognized as mineral by the people who seek to secure them as such by subterfuge, legal technicalities and outright perjury, the petroleum industry faces the matter of most serious present concern to it in its relation to the Federal laws and their administration. We believe that this problem is peculiarly one in which the whole mining industry of the state is interested, together with tte petroleum miners, and we solemnly p'edge our highest endeavors to protect the heritage of the miner in the public domain in accordance with the letter and spirit of the beneficent laws which were intended by Congress sacredly to preserve the vast mineral resources of the public domain to the mining industry that their development might be encouraged and fostered. We distinctly favor the proposition that where a contest takes place between a scripper and a miner in any department of the United States Land Office, the burden of proof shall be placed upon the scripper and not on the miner.

The Colonel Turned Down.

Last year at the Miners' Convention, Colonel Crane, then President of the California Petroleum Miners' Association and posing as an oil expert, cut quite a figure. He made a very good speech, was as affable as Colonel Sellers, and filled the stage as commandingly as any governor, congressman, or Sam Shortridge himself.

This year the Colonel was conpicuous by his absence.

But it was not his fault.

He had sent to Secretary Benjamin a list of delegates from the private corporation and stock company of which he is the head, and supposed he would be admitted to the convention on the same grounds as last year.

The Committee on Credentials however, was wiser than the Colonel thought, and promptly turned him down on the ground that he and his associates were not entitled to act as delegates as they represented simply a stock company, organized for private gains.

That is the reason the Colonel did not appear at the convention. Many regretted his non-appearance, for say what you will, the Colonel is an affable, whole-souled sort of a man, and can tell the best oil stories of any man engaged in the business.

More Railways.

The Kansas City Southern Railway has been experimenting with oil as fuel. Several engines have been run out of Pittsburg, Kan., for long distances with oil as fuel, to see how it served the ends of coal, and it was found to be satisfactory. Eventually the entire Kansas Southern system will be operated with oil as fuel. The oil which has been used to experiment with is from Beaumont.

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Producers' Oil Exchange

The following were the stock sales in the Producers' Oil Exchange in the formal sessions held for the week ending Wednesday, October 23.

BEAR FLAG.		
100 at	06	6 00
400 at	07	28 00
500 at	05	25 00
CALIFORNIA STANDARD.		
200 at	22	44 00
CENTRAL POINT.		
100 at	1 25	125 00
FOUR OIL.		
100 (B30)	40	40 00
100 at	45	45 00
30 at	40	12 00
HOME OIL.		
300 at	3 45	1035 00
550 at	3 30	1815 00
200(S30)at	3 30	660 00
HANFORD.		
1 at	106 00	106 00
1 at	107 00	107 00
9 at	110 00	990 00
HANFORD-FRESNO-KERN RIVER.		
2300 at	08	184 00
INDEPENDENCE		
1000 at	10	100 00
3500 at	09	315 00
JUNCTION.		
2000 at	19	380 00
1000 at	18	180 00
KERN.		
50 at	5 62½	281 25
100(B5) at	5 87½	587 50
LION.		
9000 at	07	630 00
6000(S60)at	07	420 00
1000(S60)at	06	60 00
500 (S90)at	06	30 00
500 at	06	30 00
MONARCH OF ARIZONA.		
500(B90)	24	120 00
200 at	24	48 00
1700 at	21	357 00
1100 at	20	220 00
1000(B60)at	23	230 00
2700 at	23	621 00
3000(B60)at	24	720 00
McKITTRICK.		
100 at	13	13 00
MONTE CRISTO.		
650 at	1 65	1072 50
50 at	1 60	80 00
OIL CITY PETROLEUM.		
4500 at	25	1125 00
500 (B30)at	25	125 00
2500 at	24	600 00
OCCIDENTAL.		
1250 at	35	437 50
10 at	40	4 00
PEERLESS.		
270 at	5 00	1350 00
1218(B90)at	5 37½	6546 75
658 at	5 12½	3372 25
PETROLEUM CENTER.		
15500(B90) at	06	930 00
16000(B60)at	06	960 00
REED CRUDE.		
1000 (B30)at	38	380 00
1200 at	37	444 00
1900 at	38	722 00
205 at	39	79 95
100 at	41	41 00
1500 at	42	630 00
1500(S3) at	42	630 00
2300 at	36	1188 00
1000(S30) at	36	360 00
8 at	30	2 40
3060 at	40	1224 00
SAN JOAQUIN.		
95 at	8 00	760 00
100 at	7 75	775 00
STERLING.		
100 at	1 35	135 00
100 at	1 32½	132 50
800 at	1 30	1040 00
500(B90)at	1 35	675 00
SOVEREIGN.		
100 at	26	26 00
500 at	27	135 00
THIRTY-THREE.		
100 at	7 00	700 00
TWENTY-EIGHT		
800 at	1 60	1280 00
12 at	1 50	18 00
100(B30) at	1 65	165 00
WOLVERINE.		
300 at	50	150 00

Shares 100,327 Amount $38,860.60

THE CRESCENT.

Big Strike Reported in the Sargent District.

The San Jose Mercury contains the following information in regard to the strike reported near Sargent station last week:

It is now known for a fact that the reported strike is in the well of the Crescent Oil company, which is drilling on lands leased from the California Chittenden company, near the property of the Gilroy Oil company. It is true the well has been capped, the object, it is believed by many, being to withhold the news from the public in order to buy up the floating stock. At any rate all information has been bottled up tight and Contractor Murray will neither affirm nor deny the report.

However, there is no lack of circumstantial detail to seemingly confirm, in a measure, the truth of the rumor. It is known that the contractor of the Watsonville Coast company, in which Judge Hyland and many other San Joseans are heavily interested, who had thrown up his contract a few days previous to the alleged strike, was influenced by what he had learned to resume work within twelve hours after the reported appearance of the gusher in the Crescent well. As he has means of obtaining inside information it is inferred that there is more truth in the report than the Crescent's directors care to let the public know at this time.

A gentleman well posted in oil matters and acquainted with the Crescent people stated that the petroleum from the new well was almost as pure white in color as the refined article. Furthermore the pertinent question is being asked, Why should the Crescent management cap the well if the extent of the strike was only a seepage, as is claimed by the parties interested? Added to these links of evidence which make Gilroy oil men confident that a big strike has been made is the positive assertion of the Mercury that a representative of the Murray-Kidd Contracting Company has been in San Jose quietly buying as much stock as could be purchased of the companies operating in that district. It has not been more than a week ago that Murray informed a prominent director of the Gilroy Oil Company that he had the contract to drill five wells in the Gilroy district.

Over in Watsonville the Crescent people give out the statement that the report was premature; that the well is down about 1000 feet, and that the alleged strike is nothing more than an oil seepage similar to those that have from time to time encouraged the oil men of this territory to keep up the good work of developing. At any rate there were many who placed no faith in this statement, for there was an unexpected boom in oil land and within six hours leases on territory adjacent to the Crescent well were in great demand.

The Rig of the Crescent Oil Company on Chittenden Ranch, Santa Cruz County, near Sargents Station, Where a 100-Barrel Well of Refining Oil Was Struck Last Week.

IN VENTURA.

Active Development Work Being Pursued.

A correspondent to the Los Angeles Herald writes an interesting letter as to the development of the oil industry in Ventura county of which the following are extracts:

A general air of activity is pervading the various districts composed in the Fillmore and Santa Paula oil fields. New ground is being leased, new rigs going up and new wells are being brought into the productive list, and this without any undue excitement, but with work conducted along steady conservative business lines. In the Buckhorn field McCray's company has No. 1 drilling, and the Sunset company has completed No. 1 and has the drill in the sand of No. 2. In the Pole canyon the Skookum Oil company is drilling its first well. Of the companies operating at Bardsdale, the Bardsdale Crude Oil company has five wells on the pump and is about to begin work on No. 6, after having gone very slow on development work for several months. The Peter Patterson Oil company, however, is drilling its first well. East of Bardsdale, on the old Climax ground, a company is operating and is down about 650 feet. There has been a well in Grimes canyon for years, but this one referred to is east of it. In the Big Sespe the Searchlight Oil company has just finished a bad fishing job. Two strings of tools were lost in the well, and both have been recovered after much effort.

The Sespe Crude Oil company has a fourteen-inch hole down about 300 feet, with excellent indications. The Sespe Canyon Oil company is about to begin work on a systematic scale, after having expended nearly $11,000 in building a road and putting up the necessary buildings, etc. The rig is up and drilling will begin almost at once. The New York company, of which Fred Ward is superintendent, has a well a little to the north of Sespe that was completed and came into production last week. The oil is very heavy and the well is producing at present about twenty barrels. Another rig is now being built. The Union Consolidated Oil company, operating on Tar Creek quite recently struck a twenty-five-barrel flow of oil. Another rig is up to begin work on No. 2. About two miles above the Devil's Gate, Russel Brothers have brought a well into production at less than 500 feet, the flow being twenty barrels of heavy fuel oil.

Ojai—The Bard O. and A. company has eighteen wells on the pump, two of which have very recently been brought in. A rig is being got ready to start up on No. 19. The Westlake Oil company, in Astarte canyon, has Nos. 1, 3, 4, 5, 7 and 8 on the pump, and drilling is going on in No. 9. The Westlake-Rommel company has just completed a sixty-barrel well, making eight producers in all.

Ferndale—The Capital Crude Oil company, controlled by Clark & Sherman, has commenced to drill again on their Sisar canyon property after a suspension of operations for nearly two years. F. Sloan is representing the company as superintendent, and has sixteen wells pumping and drilling has just begun another. Whidden & Doble, the oil men of Santa Paula, have three wells on the pump and for the present are letting it go at that. Just north of the Capital Crude the Northern Oil company owns a strip of land about a mile in length. A good road has been graded and drilling will begin this week. At Sulphur Mountain the Uncle John company is at work drilling on No. 1; and the Weldon Oil company is also drilling on its first well. In Aliso canyon Umstead & McCray, on ground leased from the Union, are at work on their first well. The Ferndale Oil company, a San Francisco corporation, the Paxton Gold Bond company and the Chicago Petroleum company, the two latter being Illinois corporations, have each started a string of tools on Ferndale ground. The Ferndale company owns 650 acres and the other two companies have leased from it.

Saltmarsh—Farrel & Soule have struck oil at 200 feet on the ground they leased from the Union. The well is now on the pump, and drilling has begun on No. 2.

Adams—The Green Oil Mining company has recently leased a mile and a quarter strip, that averages about a half a mile in width, from the Union in what is recognized as "green" oil territory. The rig was placed last week and drilling is now going on.

At the present time in Adams canyon and Saltmarsh the Union has about fifty-five wells, though of this number several are not producing. In Wild Bill canyon Nos. 26, 27, 28 and 31 still keep up the production.

Bracken—The Sobra-Vista company (Mitchell & Webb) has No. 1 on the pump, but work has not been begun on No. 2. Lansdale & Rowan have been shut down to permit the putting in of a new cable. Their first well was a dry hole, and No. 2 is now drilling.

Santa Paula Canyon—The Slocum Oil company has finished No. 13 at a depth of 1300 feet, on ground leased from the Union. The company has now got five wells pumping and the rig is going up for No. 14. The wells are not large producers, the product going into the Union's pipe line.

Bishop—The Empire Oil company has one string of tools running, and eight wells on the pump. The Windsor abandoned its first well and is now at work drilling on No. 2, having attained a depth of 700 feet. The Pure Oil company has one well on the pump, but has shut down on drilling operations. The Aquila Oil company is drilling on No. 1 and will set another string of tools very shortly. The Alexandria Oil company has a lease north of the Empire ground and will commence to drill very soon.

Timber—The Santa Paula Gravity company is held up by an attachment levied by the Union Supply company.

Wheeler—The Union has leased a large tract to C. A. Burrows, manager of the Union's pipe lines, and work on a boarding house and other necessary adjuncts has been pushed ahead. It is expected that a rig will be up before the end of the current week.

On the O'Hara place the Jones Oil company has three wells on the pump; and on the McIntyre place the casing is being pulled from the Flagstaff company's abandoned well.

The Yankee Girl.

This company is well known in Los Angeles district, where it has several producing wells. Not content with the Los Angeles property the Yankee Girl Company secured some of the best oil land in McKittrick, Kern River, Sunset and San Benito districts, and has determined to commence work immediately on its holdings in Kern River district where its property adjoins that of the York Oil company, which brought in one of the best wells in the district last week. The Yankee Girl will soon have a number of wells in the Kern River district, and will be numbered among the big producing companies in the field.

A Year's Production.

A comprehensive report has just been issued by the United States Geological Survey on "The Production of Petroleum in 1900," which is published as an advance chapter from "Mineral Resources of the United States, 1900." The report has been prepared by F. H. Oliphant, and covers the production of the oil fields of the world.

The conspicuous feature of crude petroleum production in this country last year was the great increase in the output, this increase being credited to California, West Virginia, Ohio, Indiana and Texas. Of the total production, 91½ per cent came from the Appalachian and Lima-Indiana fields, leaving 8½ per cent as the production in all the other fields in the United States.

The total production in 1900 was 63,362 704 barrels, being the largest for any year in the history of the industry, and an advance of 6,291,854 barrels on the output for the previous year; the increase being a little over 11 per cent, as compared with 3 per cent gain in 1899 over that of 1898. It was greater by 2,402,343 barrels than the theretofore largest production that of 1895. The entire gain made is accounted for by the following increases in production:

	Barrels.
West Virginia	2,285,045
California	1,457,389
Ohio	1,220,622
Indiana	1,026,210
Texas	167,026

So rapid has development been in California, and more particularly Texas, that the figures given afford only an approximate idea of the present condition of the industry in these states.

It is gratifying to learn that the average price of all the petroleum sold in the United States in 1900 was an advance on the rate in 1899, being $1.19½ per barrel, as compared with $1.13¼ in the previous year, a gain of 6.3 cents per barrel. This with the increased production, made the value of the petroleum produced in 1900 greater than that in 1899 by $11,148,787.

In the following table is shown the total value of crude petroleum produced in the United States in 1900, by states.

State	Barrels	Value	Av. val. per bbl.
California	4,099,484	$3,863,225	$ .942
Colorado	317,385	323,434	1.019
Illinois	250	1,500	6 00
Indiana	4,874,392	4,693,983	.963
Kansas	74,714	69,142	.925
Kentucky	29,384	23,410	.79 2-3
Indian Territory, Michigan, Missouri	8,074	6,031	.747
New York	1,300,925	1,750,501	1 35¼
Ohio	22,362,730	24,091,601	1.077
Pennsylvania	13,258,202	18,088,016	1.364
Texas	836 039	871,996	1.043
West Virginia	16,195,675	21,922,702	1.353
Wyoming	5,450	38,150	7 00
Totals	63,362,704	$75,752,691*	$1.195

*In addition 19,712 barrels were produced in Kentucky and Tennessee for which no value could be given, none being sold or used.

This state produced over 76 per cent of the production in 1900, outside of the Appalachian and the Lima-Indiana fields. California's gain in 1899 over 1898, was 17.05 per cent, while the gain of 1898 over 1897 was 18.5 per cent. The increase in 1900 over 1899 was over 55 per cent, and placed California fifth in the list of producing districts.

While Texas increased its production in greater proportion than in any preceding year, or nearly 25 per cent, its ratio of increase this year has been much greater with the Spindletop gushers producing so marvelously.

Will Make Manifest.

A. S Cooper, the veteran mineralogist and in all probability one of our greatest petroleum specialists, claims that in ten years the state of California will be the heaviest and most permanent oil producing section of the United States, and in four years the yearly production of this state will equal in value its annual production of gold. A producing oil well located in any of the several proven and well-established oil districts of California can show a greater margin of profit for work done and the money expended than any other enterprise. The result is that capital from all portions of the world is being attracted to this industry and is sharing in the profits derived from the development and consequent production of oil. It is generally advisable, however, for investors to purchase stock in companies during the preliminary period of their development work, as stock can then be purchased at nominal prices and the profits are greatly enhanced.

An investigation of the market will make manifest those companies which offer suitable occasions for investments, and among them will be noted the Standard Consolidated Oil and Land company which is offering its stock for 20 cents per share, and in view of the large acreage of proven oil lands controlled by this company and the spirit of activity it is evidencing in its development work, this is truly a remarkable opportunity for investors to reap large gains in the near future.

Great Producers.

The Producers' Oil Storage and Transportation company is one of the heaviest shippers of oil from the Kern County fields. It has, says the Californian, during the past eight months, shipped about 2000 carloads of the product of its own wells. Following are the shipments made: February, 19 cars; March, 172; April, 162; May, 209; June, 247; July, 324; August, 427; September, 362.

This company is composed of the Toltec, Aztec, Senator, Chicago Crude and Central Point companies, together with the lessees of portions of the property belonging to them.

Personal.

C. M. Hatcher, who is now in the east, is meeting with great success in promoting the oil companies in which he is interested. This proves that not only Mr. Hatcher is a good promoter, but also that the East still has faith in the California oil fields.

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PACIFIC COAST OIL NEWS.

Recent Developments In Oil In Various Parts of the State.

FRESNO.

Sauer Dough is being cleaned out this week.

The Caribou Oil company is putting in two 1000-barrel tanks on its property.

Maine State No. 1 started flowing last Sunday and is throwing out about 150 barrels per day.

The Maine State pipe line was completed last Saturday. A loading rack will soon be built by this company at Ora.

Commercial Petroleum has a slight showing of oil. This well is down over a thousand feet and five-inch drive pipe is being put down.

The Santa Clara rig was sold last week to the Philadelphia-San Francisco Oil company and has been moved to that company's property.

Harry Bovard, rig builder and contractor, is moving the rig of the Double Eagle Oil company from its present location to a base near the Mercantile Crude. This rig was built last spring, at which time the company expected to put down a hole where it was erected, but different arrangements have been made and a well will be drilled in a much better location.

The Plymouth Rock Oil company, run by a Boston syndicate, has located in the immediate neighborhood of Alcalda and will begin putting down a well in that locality in a few weeks. This is the first hole in the Alcalda district and the oil indications there appear to be attracting many oil men, as it is rumored that a Minneapolis company will also sink a well on section 35. It is believed by many that the main oil belt passes through that part of the country and that the wells now struck in the Coalinga fields are located on tributaries to the main oil bearing strata.

GLENN.

Will D. Jenkins of Olympia, Washington, president of the Washington-California Oil company, went to San Francisco, says the Willows Journal, and expects to return to Willows in about two weeks with a standard oil rig and commence drilling on the Nye ranch, at a place selected several months ago by Colonel Crane.

HUMBOLDT.

Superintendent A. Johnston has started work constructing the new derrick at the Wild Goose oil well, for use early the coming spring.

W. L. Hardison has perforated the Wild Goose oil well and the result was a disappointment, as but little if any oil was secured.

Last week E. M. Hoagland struck another big seepage of oil in his Upper Mattole well and he is still sending the drill down with every confidence that he is nearing the main oil reservoir.

KERN.

Buena Vista on 14, 32-23 is down 360 feet.

Inter Nos in section 9, 32-23 is in the first oil sand.

Spellacy & Straud, 26, 32-23, expects to drop into the oil sand any day in well No. 1.

Chanslor-Canfield on 6, 32-23 has fine indications and expects to enter the oil sand soon.

The sixth rig for the Peerless has been completed. The seventh will be started at once.

The Petroleum Development company has resumed operations on its holdings, sections 24, 28-27 and 18, 28-28.

The Casa on 15, 32-23 has finished putting in a string of seven and five-eighths-inch casing and is again drilling.

Bay City No. 1 is still on the beam, pumping oil for the rigs at work in Midway district. The well is proving to be a valuable one.

The Oregon Midway has perforated well No. 3 on 8, 32-23. The oil raised 500 feet under a heavy pressure of water and the well promises to be a good one.

The Chicago Crude Oil company has leased to the Jacalitas Petroleum company the west half of the northwest quarter of 30, 28-28. The lessees agree to begin work inside of ninety days.

Work will soon commence on the land of the Yankee Girl Oil company adjoining the York Oil company's property in the Kern River district. The York is the company that made the big oil strike last week.

It is authentically reported in this city that the Devil's Den Oil company has sold its interest in the Devil's Den district to an Eastern syndicate, and it is expected that the syndicate will begin operations on the property immediately.

The Sphinx on section 7 at McKittrick is perforating. The extent of the strike there is not known and those interested have been claiming that there is no oil, but dry wells are not usually perforated and it is the opinion that the Sphinx has a good well.

Along with the other work which is being done by the Peerless on 31, 28-28 a monstrous cement storage tank is being constructed. It is located a few hundred feet to the north and west of tank No. 1. The interior of the new receptacle is being cemented this week.

LOS ANGELES.

The Clarendon Heights Oil company has well No. 3 down over 800 feet.

The Whittier-Fillmore Oil company is nearing 1000 feet in the well being drilled on the Tubbs-Evans tract.

The East Whittier Oil Company has No. 2 down over 1300 feet and the work is going nicely.

The Whittier Oil and Development company has its well in the East Whittier district down nearly 1200 feet, with improving indications.

The North Whittier Oil company is approaching 1200 feet with well No. 2 and there is enough oil in the hole to show that no mistake was made in locating the well.

In the Newhall field the Zenith Oil company, operating in the Ellsmere district, is down about 550 feet with its well No. 2, with the water shut off and drill progressing satisfactorily. It is anticipated that oil will be struck in this well at 700 feet.

Work on No. 1 on the Needham lease was temporarily suspended, awaiting the arrival of some heavy casing with which to shut off the water. No. 2 is located about 200 feet from the pumping well of the Eureka Crude Oil company, the land adjoining the Commercial and Pearl companies. The temporary suspension of work on No. 1 gave rise to the erroneous report that the well had been abandoned, but with the water shut off the drill will again begin to drop.

The Home Oil company is making good progress this week with No. 13, which caved in recently, and the hole is going down nicely. The depth at which the drillers were working when the cave occurred has about been regained and the outlook for a good well is excellent. No. 10, which is being deepened, is down 1400 feet and improving every day.

The Whittier Crude Oil company has again deepened well No. 1 with satisfactory results. The hole is now down 1500 feet still in the sand, and the work is going on nicely. A string of four and one-half casing was put in this week. The Frampton Brothers, who have the contract for No. 5, have made excellent progress since they began work on the hole, which is now down 1300 feet.

MONTEREY.

The Watsonville Oil company has leased two more pieces of the Sargent territory and a large section of the Casserly tract. M. H. Murray is the lessee of the Casserly and one of the Sargent tracts, and Frank V. Gaffey of the other Sargent tract. Mr. Murray's Sargent lease is for lands near the Pajaro Valley Oil company's territory, and Mr. Gaffey's lease includes part of the so-called "Butterfield place." Each lessee has put up a forfeit that work will be commenced within ninety days The Watsonville Oil company has applications for leases on other sections of its territory.

SAN BENITO.

The Ashurst Oil company is working two shifts drilling night and day.

The Hollister Petroleum Development Oil company has drilled 760 feet.

The Calistoga Oil company will start drill with night and day crews as soon as the casing reaches the well.

The Grant Oil company is reorganizing. As soon as reorganization is effected, drilling will begin again on the Topo.

The well of the Hollister Petroleum Development company is down 760 feet, and the drill has just passed through a strata of very hard rock and is again in sand.

The Cerro Bonito Oil company expects to commence operations in the Vallecitos district within two weeks. A standard rig has been purchased and the same will be moved to the company's lands as soon as possible.

SANTA BARBARA.

A big strike is reported in the Guadaloupe valley. Particulars not obtainable.

The Graciosa company, operating near the big well of the Western Union is down 250 feet with eleven and five-eighths casing. Everything working fine. Formation same as the Western

The Potomac Oil company has filed articles of incorporation

Articles of incorporation of the Santa Ynez Oil company have been filed. This company was organized two years ago. Considerable prospecting was done and then the company went to seed. The recent strikes at Santa Maria have galvanized the corporation into life. The articles were filed to perfect title.

Hickey & Robinson have a contract to deepen a prospect well from 500 to 1350 feet at Naples. The well is one started by the Naples Oil company, and abandoned at the former depth, and the land reverted to the lessee, along with the drilling rig and hole. The owner of the land sees a chance to make a clean lift of 500 feet of hole, and has decided to do a little prospecting on their own account.

SOLANO.

For some time past the drills at the Vacaville oil well have been idle and as the days passed with nothing accomplished, the promoters have decided to force the matter to an issue. It seems that Driller Ferguson has a contract which calls for completing the well at a depth of 1500 feet, but at the point now reached he demanded a string of "drive" casing before going farther. This the company refused to purchase and Ferguson says he will drill no more. Back of the trouble is the fact that a similar thing occurred at the Armijo and the directors rather than furnish the new casing decided to pull the old casing and abandon the well. Ferguson then purchased the casing at one-half price as well as getting full pay for his work. The local company anticipates a similar move here in order to force Ferguson to complete his contract and have retained George Lamont to defend their interests.

STANISLAUS.

The X-Ray Oil company's well is down 800 feet. A new supply of casing is at hand, and water is completely shut off, so that there is nothing now in the way of steady progress. There is no telling how soon a good flow of oil may be reached. The indications are all favorable, as much so as were the best wells in Kern county. The X-Ray company is prepared to go 1500 feet at least. The Oakdale Graphic says capital in abundance is available to prosecute the work. With success in this oil prospect, the country about Oakdale will have a tremendous shaking up. There is no better spot in the whole state.

The Mt. Oso Oil company are sinking a regulation shaft on the site of the well they are boring, with a view to uncovering the boulder that stopped the drill at a depth of 170 feet and blasting it out of the way. A series of boulders very much retarded boring after a depth of perhaps 100 feet was reached, and finally the boulder that resisted all efforts with the drill was reached. The Modesto Herald says the indications are that it is of granite and that its rounded edge covers the line of the well, the drill apparently glancing from it. Much time has been lost and expense incurred in various experiments, and eventually a proposition to abandon the well and start a new one was considered. It is known, however, that a strata of boulders underlies that part of the county—in the rolling hills northwest of Crow's Landing—at a depth of from 100 to 200 feet, and the suggestion presented that in all likelihood no better fortune would attend a new well. The regulation shaft and the ultimate blasting out of the boulder was decided upon. A week ago Friday the shaft was down between 40 and 50 feet. The engine, derrick and cable employed in the drilling operations are being utilized to expedite the sinking of the shaft.

SANTA CRUZ.

At a meeting of the directors of the Watsonville Coast Oil company held last Saturday night, it was decided to resume work on the well in the Gaffey district. It will be remembered that a strong flow of gas was struck in this well at a depth of 700 feet a few weeks ago. The gas forced sand into the pipe to such an extent that the work of drilling had to be suspended. Mr. Berry and his crew have undertaken the task of controlling the gas. When this is accomplished drilling operations will be resumed. The drillers are confident that all signs point to the discovery of a big flow of oil on this well at a depth of about 1200 to 1500 feet.

SAN MATEO.

The Bella Vista Oil company was down 1060 feet on Wednesday; drill in sandstone; expect to reach oil strata at from 1200 to 1300 feet.

TEHAMA.

The well of the Corning Oil company, fifteen miles west of Corning, penetrated

the first stratum of oil sand at 1700 feet last week. The well will be sunk to a depth of 3000 feet or more, when a thicker and more prolific stratum of oil sand is expected to be struck.

MONTEREY.

The Bolinas Bay Oil company is down 1880 feet with five and five-eights casing. There is considerable oil in the well. The drill is now in shale filled with shells. A big well is expected.

CONTRA COSTA.

The Berkeley Crude has a fishing job on its hands with a lost bit. Manager Arnold expects to get it out on Monday.

KERN.

The Chicago Extension will soon resume work on 24, 29-28.

A big flow of gas this week forced the tools out of the well of the Queen Oil company, in 13, 11-24 in Sunset district. This means another well.

The United Crude Oil company will begin sinking a well on its lease from Jewett & Blodgett in McKittrick on Nov. 1st.

The Vulcan has perforated its lower casing and the oil is now flowing over the top of the well. The well will be placed on the pump the last of the week.

Illinois Crude is rigging up for its second well, and will let the drill drop for the first time the last of the week. Well No. 1 is pumping about 450 barrels of oil daily.

Rio Bravo, located on the northwest quarter of section 8, 29-28, has completed the well which it has been drilling for some time and the officers are well pleased with the prospects. The well is good for 100 barrels a day.

The Oil Land company which is completing the well of the Diamond Oil comis down over 1000 feet, and has passed through five feet of oil sand. The company is now putting in 1250 feet of six-inch drive pipe. The outlook is good.

The Spring company operating on the flats on the south side of the river, has not succeeded in shutting off the water encountered a few days ago. It is now trying to pull its perforated casing in order that the water can be cased off in the layer of clay passed through previous to the entering of the water sand.

The Wizard, south of the river, in 26 29-28, was down 1222 feet on Tuesday and with new machinery is making about 20 feet a day. There are 1500 feet of 6-inch drive pipe on the ground and the company will go 2000 feet if necessary. The drill is now in yellow clay. The company is confident of success.

The welcome news is announced from Bakersfield that the railroad to Sunset district is practically completed so far as grading and laying of rails is concerned. Regular trains have not been run as yet, and a mixed passenger and freight will be put on until the traffic warrants separate service. Much filling in and leveling up remains to be done on the roadway.

SAN BENITO.

The London Oil company, which owns 4,300 acres of good land, has very nearly completed the payment for the same. It is not drilling but is waiting for the outcome of the wells of the Fresno-Alpha and the Calistoga Development company, which are now being drilled on each side of the land of the London.

The Calistoga Oil and Development company are down 1050 feet on their well in the Fresno-San Benito district. This well has made the best progress of any in the district. The company has temporarily abandoned work near Calistoga and is using their rig for drilling water wells at a good profit.

The Fresno-Alpha company resumed work on their well in the Fresno-San Benito district last Saturday. At last report the well was down 950 feet with good indications [illegible]

FRESNO.

The rig of the Double Eagle Oil company is being moved from its present location to a base near the Mercantile Crude. This rig was built last spring, at which time the company expected to put down a hole where it was erected but different arrangements have been made and a well will be drilled in a much better location.

At New York.

Petroleum mining will be an important department at the New York Mining Exposition, in December, at the Grand Central Palace. The oil fields of California, Texas, Arizona, Canada, Colorado, West Virginia, Utah, Ohio, Alabama, Pennsylvania, Louisiana, New York, Kentucky, and Indiana will be represented Oil sands, crude petroleum, and its many by-products in the illuminating, lubricating, and fuel fields, will be numbered among the exhibits to be made by producing companies and refiners.

Mapping the Wells.

A most interesting and important work has been inaugurated by State Mineralogist Aubrey in connection with the oil industry of the State. He is appointing field assistants to gather information regarding the mines and oil wells in the various parts of the State, which will be incorporated in a register and mineral map of each county when the compilation has been made, which will be issued by the bureau.

So far the following appointments have been made: J. D. Brown of Bakersfield to gather data for Kern County; J. K. Harrington for Santa Barbara County; Ivan H. Parker of Colfax for Placer County.

In the near future assistants will be appointed in other of the more important producing counties. The State Mineralogist has announced it as his intention in the compilation of these registers and maps to have an accurate and reliable record of each mineral producing county, and more particularly the oil-bearing counties. It is anticipated that with the completion of this work more will have been done toward assisting mining and oil prospecting than anything heretofore attempted.

Several miles east of the Fullerton field the Chino Land & Water company has been drilling for some time, and the report has come in from there that a light oil has been found in unknown quantity, which is taken to indicate that the extension of the Fullerton field has been found in the Chino hills

The Board of Public Works of Stockton met recently and passed a resolution calling upon the City Council to equip the pumping station with an oil-burning plant. Councilman Aubry, who is an engineer of experience, says that an oil-burning arrangement can be put in at a cost of $350 or $400.

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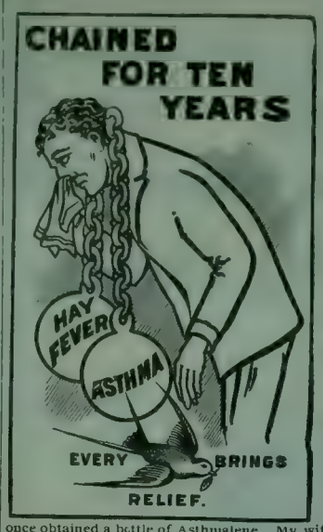

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The REV. C. F. WELLS of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave chained with putrid sore throat and asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment the trial acted like a charm. Send me a full-size bottle."

Rev. Dr. Morris Wechsler
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Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful. After having it carefully analyzed we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,
REV. DR. MORRIS WECHSLER.

Avon Springs, N. Y., Feb. 1, 1901.
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Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past twelve years. Having exhausted my own skill, as well as many others, I chanced to see your sign upon your windows on 130th street, New York, and I at once obtained a bottle of Asthmalene. My wife commenced taking it about the 1st of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease. Yours respectfully,
O. D. PHELPS, M. D.

Dr. Taft Bros.' Medicine Co. Feb. 5, 1901.
Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-sized bottle, and I am ever grateful. I have a family of four children and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.
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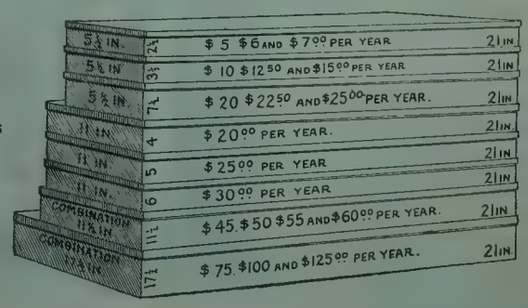

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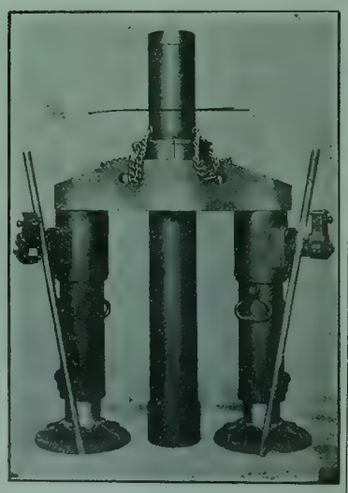


This jack is self lubricating, provided with ball bearings, giving maximum of efficiency with minimum of friction. No blocking required, as the hold of the ring and slips is absolute. Convenient to operate, light and durable. For prices and particulars address

M. G. WEST, 216 California Street, San Francisco.

JAPAN WANTS OIL.

A Large Order Likely to Come From the Orient.

The Philadelphia North American is authority for the statement that importers of petroleum in Japan will soon place an order for 20,000,000 gallons of refined oil produced in the United States. The paper referred to takes it for granted that the shipments will be sent from Pennsylvania, presumably by the Standard Oil Company, but it may be possible that the North American is mistaken in its supposition. It may be possible that California will supply the demand. The Standard Oil Company is building, or is about to build, a large refinery on the coast, and the natural presumption is that the company knows what it is to do with the product of the refinery, and that it further knows that it can produce a first-class illuminating oil from California crude, having had ample opportunity at its existing refinery to thoroughly test the character of the oil.

That an excellent illuminant can be produced from California oil is now being demonstrated by refineries in the neighborhood of Los Angeles, particularly by the Sunset Refining Company, and the Standard Oil Company is probably able to do as well as other refiners.

This one order for oil which is to be placed by Japanese importers would consume about 2,000,000 barrels of crude oil of the heavier grades, or 1,500,000 barrels of light gravity California crude.

Whether or not the order alluded to comes to California it serves the same purpose of indicating the possibility of creating a large market for the product of the California fields in the Orient, and sooner or later there is good reason to believe that a good proportion of the output of this State will be consumed in foreign countries.

Los Angeles Stocks.

The Los Angeles market continues to show a lively interest in oil and mining stocks. Reed Crude has been the feature on the stock exchange during the past week and has been traded in to a considerable extent with the result that an advance of 7 cents has been registered. It opened early in the week at 33½ cents, advancing towards the close of the week to 40½ cents, after which a slight reaction followed and the quotation dropped back to 39. What will be the next movement on this stock would be difficult to predict although many buyers are looking for a further advance The stock may move up or down from its present notch but the chances are that it will not again decline to as low a figure as it has been selling for. After a spasmodic rise of about five points Westlake again fell back to its original position and has since recovered a little of the lost ground. Central continues to decline for want of support and from the further fact that the last dividend has just been passed. A better demand for Senator has been apparent recently and the quotations on that stock have responded accordingly. Some trading in Southern Consolidated has resulted in advancing this stock for some fractional gains. Most of the other oil stocks have remained about stationary with the exception however of Wilson which continues to rise under regular buying orders.

Mining stocks have shown a a better color than ever. There is considerable of a demand for the better class of copper stocks and the tendency of several of those listed on the exchange appears to be upward.

Bank stocks and miscellaneous securities remain as before.

Reliable Standard Rock.

It may be slow and cautious, but absolutely safe and sure. Under prevailing conditions as we have said before it is of no use to waste money, therefore wait until the price of oil rises; be patient. The company is trying to do what is right and just, but to combat the impossible, it cannot do. The public should assist an honest company with all its might to make a success, instead of withholding patronage. Subscribe for this A 1 stock and the more money comes into the treasury, the easier it will be and the quicker to develop all the Standard Rock's proven oil lands, thus making it possible for the directors to declare dividends at an early date. Money is the nervus rerum in all undertakings, be they mines, oil or manufactories. This stock at 20 cents per share is cheap.

The Union's Dividends.

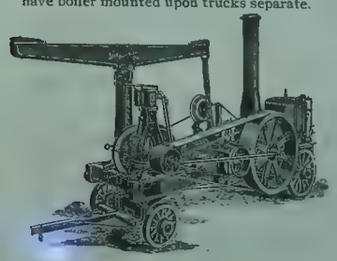
A quarterly dividend amounting to $70,000 was paid by the Union Oil company last week. Thus its reputation as the most important oil producing company in the state is being maintained.

Took First Prizes.

The Atlas Pipe Wrench received the highest award at the Pan-American Exposition and the Atlas Tube Cleaner, for water tube boilers, also received the highest award at same exposition.

The Star Drilling Machine

Cut shows boiler mounted upon frame of machine for oil and gas works. It is usually advisable to have boiler mounted upon trucks separate.



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References: San Francisco Banks.

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CYGNET PETROLEUM CO.
Capital.....$150,000
50,000 shares at $3.
Location—Fresno county.
Directors—Chas. L Fair, president, Blitz W Paxton, vice-president, Chas. A. Lee, treasurer, John C. McElroy, secretary.
Office—561 Parrott Building.
Tel.—South 184.

CUYAMA VALLEY OIL COMPANY.
Capital.....$1,000,000
1,000,000 shares at $1.00.
Location, 80 acres in 4, 9-25 in Santa Barbara County and 80 acres in 15, 10-24 in Kern County. Incorporated under the laws of South Dakota.
Directors—W. H. Turner. President; Robt. Johnson, Secretary and Treasurer; Andrew Christensen, Frederick Misch, L. M. Hickox; Depository, Western National Bank.
Pacific States Mining & Investment Company, fiscal agents.
Office—326 Post Street, San Francisco.

DABNEY OIL COMPANY.
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McKittrick district. 16 completed wells; 110 acres proven ground.
Office, 330 Pine St., Room 5, San Francisco, Cal.

GREAT NORTHERN OIL CO. OF OAKLAND
Capital.....$250,000
250,000 shares at $1
125,000 shares of treasury stock,
Location of property, Glenn County, Calif., 2,200 acres, near Elk Creek, in Stoney Creek Mineral district.
Officers, B F Arnold, President, Geo A Gray Secretary.
Office, 476 Tenth street, Oakland,

HECLA OIL COMPANY. Incorporated under the laws of Arizona, March 12, 1901. Stock absolutely non-assessable. Company owns 160 acres of choice oil land in the Sunset Oil district, Kern county, California. Capital stock, 1,000,000 shares; Par value $1.00 per share. Officers and directors: Dr F E Fletcher, president (connected with the Calumet & Hecla copper mines for 23 years); Capt John H Marshall, vice-president; Chas L Warfield, secretary, Perle M Johnson, treasurer; Patterson Sprigg, attorney. Office of the company, room 20, 1015 Fifth street, San Diego, California.

MONTEREY OIL DEVELOPMENT CO.
Capital.....$1,000,000
1,000,000 shares at $1 each.
Location of lands: Coalinga oil fields, Fresno county, 160 acres; Panoche oil fields, San Benito county, 160 acres; Monterey county oil belt, 4280 acres.
Officers: Dr J L Roberts, president; J B S Maitly, vice-president; J F Moore, secretary; D J Boughton. treasurer; Bank of Monterey, depository. Office at Monterey City, Cal.

OCCIDENTAL OIL CO.
OF WEST VIRGINIA.
Capital stock 600,000 shares.....par value, $1.00.
Officers: Wm. Crites, president: F. M Graham, vice-president; J. B. Batz, treasurer; C. E. Hailtone, secretary; T. L, Moran, manager; Kern alley Bank, Cal. Depository.
M. R. Goldberg, 483 Ninth street Oakland. Cal

OBISPO OIL COMPANY. Capital, $1,000,000. Number of shares, 1,000,000. Treasury stock, 550,000 shares. All stock fully paid and non-assessable. Incorporated under the laws of California. Properties in Kern, Fresno, San Benito and San Luis Obispo counties, Cal. Incorporators: G R Parkinson, President Bank of Palo Alto; Captain Frank Barrett, Palo Alto, Cal.; K W Brown, Fresno, Cal.; Chas E Bond, Minneapolis, Minn.; C F Alderson Chicago, Ill. Officers: John F Giles, president; Frank Barrett, vice president; Chas E Bond, treasurer; C F Alderson, secretary, K W Brown, assistant secretary. Office, Suite 74. Citizens Bank building, 119-121 La Salle street, Chicago, Ill.

OCCIDENTAL OIL COMPANY
OF WEST VIRGINIA.
Capital stock, 600,000 shares....par value, $1.00
Officers—Wm. Crites, president; F M. Graham, vice-president; J. B. Batz, treasurer, C. E. Hailstone, secretary; T. L. Moran, manager; Kern Valley Bank, Cal., depository.
Mostellar & Allen, San Francisco Agents, 346 Parrott Bldg. Telephone, Jessie 1683.

POTOMAC OIL COMPANY. Capital stock $2,850,000; Par value, $1.00. Has 2,000 acres in Kern, Los Angeles and Summerland fields with 26 producing wells. Officers and directors: F V Schermerhorn, president; C H Ritchie, vice-president; R D Robinson, secretary and treasurer; D M Schermerhorn and W S Morton. Principal office, Potomac building, Los Angeles, Cal. Tel. John 2281.

SALINAS OIL AND DEVELOPMENT COMPANY. Capital, $1,000,000. 1,000,000 shares at $1.00. Land in Monterey county. Officers and directors: President, W N McCarthy, San Francisco; vice-president, J J Gunn, Independence; treasurer, Wm N McCarthy; secretary, J B Olsen, San Francisco; superintendent, Jno C Quinn; C A Burchom, J F Baker, N A Dorn, W J Ellis and S S Simon, attorney, Hon Eugene F Bert, San Francisco Office, room 573-574 Parrott building, San Francisco.

SURETY OIL COMPANY
Capital.....$600,000
600,000 shares par value $1.00 each.
Location, 240 acres in section 20 and 29 T 3 N R 16 W, S B M, Los Angeles County, Calif., Newhall district
Officers and Directors, M Esternaux. President, Geo. Greely King, Vice-President, T. H. Pearne, Secretary. D. A. Thieme, M. C. White.
Farmers and Merchants Banks, depository.
Office, 102 Henne Block, Los Angeles, Calif.

STANDARD ROCK OIL COMPANY.
Capital.....$300,000
Treasury stock.....$150,000
Location: 92 acres leased proven oil land in McKittrick; 80 acres owned in Coalinga near Home Oil company, Fresno; 160 acres owned adjoining oil well in Napa valley.
Officers: R A Falkenberg, president; R L Bisby, vice-president; M J Henry, secretary; J G Steele, treasurer; F Cooke-Caldwell, attorney for company.
Offices: 475-76 Parrott Building, 855 Market street, San Francisco, Cal.

SUPERIOR OIL COMPANY.
Capital stock, 500,000 shares, par value $1 each 5960 acres of land in the Sunset and McKittrick district.
Two Standard rigs operating at present time.
Officers and Directors—R S Aston, president; W Dixon, vice-president; J W Crosland, secretary and treasurer, Wm. M Landess, W W Kelly and W G Wallace. Attorney, C C Cowgill. Office, No. 17 Galtes block. Bakersfield. Cal

U. S. OIL AND MINING CO.
Capital.....$300,000
Par value, $1 per share.
Location: 320 acres in Kern River District, 160 acres in section 27, 11-24 Sunset district, near Blodgett & Jewett wells, 110 acres on fraction 26, 12-24, near Monarch, adjoining Jewett, Blodgett & Beal gusher. L. M. Underwood, president, F Ketelhut secretary.
Office—211 19th street, Bakersfield, Cal,

USONA PETROLEUM COMPANY. Capital, $500,000. 500,000 shares at $1.00 each. Incorporated under the laws of California. Location 140 acres Midway district, Kern county, leased from Bay city, being 60 acres in N½ of NW¼ section 22, 32-23, and 80 acres S½ of SW¼, section 4, 32-23. Officers: Geo W Turner, president; Geo Hansbrow, vice-president; E N Sewell, secretary and treasurer; W R Stammers, manager; H W Merritt, J H Dorn, W W Hutchinson; Maurice V Samuels, attorney; Union Trust company, depository, Office, 301 Safe Deposit building, San Francisco.

WALDORF OIL AND ASPHALT COMPANY. Incorporated Feb 25, 1901. Capital, $500,000 500,000 shares at $1.00 per share. Place of business, Hanford, Cal. Headquarters at McCord & Son. Location of lands, 1, 2, 0, Guadalupe, Santa Barbara county, Cal. Officers and directors: Geo B McCord, president, Hanford; Dr N P Duncan, vice-president, Hanford; J O Hickman, treasurer, Hanford; Wm M Madden, attorney for company, San Francisco; W H Worswick, field superintendent, Hanford: F Brader, Hanford, N Weisbaum, Hanford, L S Chittenden, Hanford, W H Worswick, Jr, Hanford. Jas Manasse, secretary.

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It is only necessy to have one of these wrenches for all sized bits. You simply change the top plates, which have different size squares to suit different size bits.
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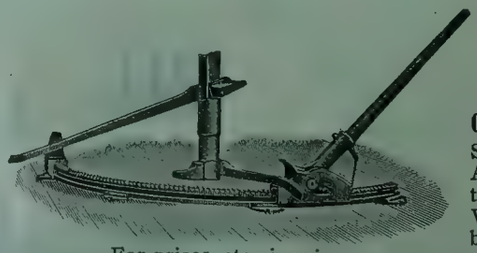

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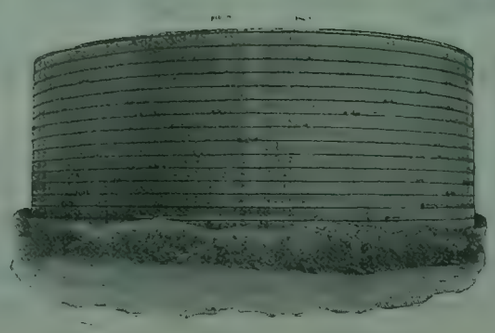

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